University of the Philippines Manila College of Arts and Sciences Department of Physical Sciences and Mathematics

Online Portal for Provincial Buses and Terminals (OPPBT)

A special problem in partial fulfilment of the requirements for degree of Bachelor of Science in Computer Science

Submitted by:

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ACCEPTANCE SHEET

The special problem entitled "Online Portal for Provincial Buses and Terminals (OPPBT)" prepared and submitted by Francis Ray B. Ilagan in partial fulfilment of the requirements for the degree of Bachelor of Science in Computer Science has been examined and is recommended for acceptance.

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Abstract

The Online Portal for Provincial Buses and Terminals (OPPBT) is a system that manages bus, terminals, routes, and other types of records and display these information as a way to help the public in searching for terminals with available buses.

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I. Introduction

A. Background of the Study

Several modes of land transportation are operating in the Philippines. There are private ones, which include cars, vans, and SUVs, and there are public ones, like taxis, jeepneys, tricycles, trains, FXs, and buses.

Buses are one of the most popular public utility vehicles, not only in the Philippines, but also around the world. With over 7,000 authorized units travelling in and out of Metro Manila, [1] along with other public utility vehicles, they contribute greatly to the lives of the general public by providing an affordable mode of transportation around the country. Unlike other public utility vehicles, buses are a more practical way to travel on medium or long distances. [2]

Not only do the buses help the general public in providing an affordable mode of transportation, but also they gave people access to different jobs like bus drivers, conductors, dispatchers and others. They also gave the companies governing these buses income for further improvement and maintenance of the buses and its facilities.

B. Statement of the Problem

Currently, one major problem regarding bus systems is people waiting for available buses to arrive at the bus terminal. Buses often have the issue of their passengers waiting for the next bus to arrive, sometimes they wait too much that they often leave the terminal and find other ways to go to their destination in time, no matter how much they need to spend.

These kinds of situations often happen during weekends and holidays like Christmas and Holy Week. Last March 31, 2015, around 8,000 passengers packed the Araneta bus

station that their security measures have increased. There has been a 2% increase in the number of passengers compared to the same date last year. [3]

Another problem is the knowledge of some people regarding the terminals. Some people don't know directly how to go to their destination. They also don't know which terminals have available buses at a particular time.

According to the Traffic Accident Report of the Metro Manila Accident Reporting and Analysis System (MMARAS), there are 5,477 bus related accidents that occurred in Metro Manila from January to December 2009. [4]

Another problem is that authorities don't have records for the maintenance part of the buses the bus companies own, which can be a great help in investigating accidents happening within a certain bus company.

C. Objectives of the Study

The aim of this study is to create an online management system that can help:

1. The commuters:

- to view available buses and their respective routes in their selected bus terminals in real-time.
- b. to view the location of the terminals through a map.
- c. to give complaints about a particular bus company. (i.e. fair discounts, cutting trip, change of route, crime involvement)

2. The bus terminal administrator:

- a. to log into the system
- b. to update the buses going in and out of the bus terminals whether they are:

- i. Available
- ii. Unavailable
- c. to view history of actions (i.e. departure, arrival) of all buses.
- d. to assign bus personnel in their respective buses.
- e. to track the current location of the buses registered in the system.

3. The system administrator:

- a. to log into the system
- b. to create, update, and delete user accounts in the system.
- c. to create, update, and delete bus lines/companies.
- d. to create, update, and delete bus terminals in the system.
- e. to create, update, and delete buses in the system.
- f. to create, update, and delete routes in dthe system.
- g. to create, update, and delete personnel records in the system.
- h. to view history of actions (i.e. departure, arrival) of all buses.
- i. to track the current location of the buses registered in the system.
- j. to view the reports or complaints sent by the commuters.
- k. to generate reports, including:
 - i. average travel time of buses per route
 - ii. total number of buses travelling a particular route.

D. Significance of the Study

With this system, while waiting in the terminal, people can have instant access to the information of the buses in the terminals and give 'real-time' information of the different buses in the country. By tracking the buses, passengers could have an assurance if there are

buses available at a particular bus terminal. People can now also search for bus terminals that offer buses that travel to a destination they want to go to.

Not only the bus companies can keep track of all the buses in their database, but also they can immediately respond to different incidents through the records stored in the system and give decisions regarding the reports or complaints sent by the public.

E. Scope and Limitations

- This study can access records of bus companies, bus terminals, buses, and routes stored in the system.
- 2. The system can only be accessed online and requires workforce in updating the system manually. It can also be viewed not only on personal computers, but also on mobile devices through their respective browsers.
- 3. The system does not focus on the ticketing aspect (i.e. ticket reservation, ticket transaction) of the bus lines.

F. Assumptions

Several assumptions were made prior to the development of this study:

- The buses and bus terminals have an efficient internet connection to ensure access in the system.
- 2. Buses have GPS devices attached to them.
- 3. Bus Operating Companies stored in the database are authorized by LTFRB.
- 4. The system will not be concerning situations where the buses load/unload passengers in places between stops.
- 5. The drivers and conductors will inform the bus terminal administrator about whether the bus is available or unavailable.

6.	The order of points in the route is always of the correct order.

II. Review of Related Literature

In Hannan, et. al.'s paper, [5] the system uses radio frequency identification along with GPS, GPRS, and GIS for monitoring bus movements. The system proposed uses a device containing the RFID reader, GPS and GPRS transmitter which will send data to the server and incorporates it with the GIS. RFID Tags are positioned in bus stations and these will help tracking down the buses being monitored. With the system, the manpower required at the monitoring centers are reduced, also providing important information to the authorities for monitoring and management.

In the paper made by Gharge et. al., [6] their proposed system consists of different devices which implemented five different modules: Power supply, Transmitter, Receiver, Control, Software. Each module has a different purpose in the system. The power supply module assures that there is an enough supply of current to power any device in the system. The transmitter device sends the GPS coordinates of the bus and will be sent to the receiver device. The control and software part of the system are designed in providing the users all the necessary information regarding the system. With its implementation, the commuter's time is saved, blind people can receive voice generated bus information, which can help them in their travels.

In the paper made by Kannaki, et. al. [7] GPS Devices are installed in the school buses which will send the coordinates to a GSM modem which has a database of details of passengers of a particular stop. The message is then sent to passengers' parents phones alerting them before the bus reached the stop. With this, parents will be informed on when their children will arrive on the bus stop they're waiting.

In their paper, Agrawal, et. al. [8] uses an android app that shows important data to the passengers, like bus density, bus arrival announcements, etc. The server side contains information needed for the different functionalities of the system. This side has a transmitter attached on the buses which will send position data, which will be saved to the system and be used to track these buses via through the client side.

In the study made by Sardey, et. al., [9] they used phones with GPS capability feature as tracking devices for the buses and sending these data over the system for it to process and lets travelers view these information via a mobile application.

Gadhri, et. al. [10] uses an electronic device, an Android phone installed in the vehicle which will give of the position information, allowing the owners or different third parties to track that specific vehicle. The vehicles will be tracked down using a web application.

In Singhal and Shukla's study, [11] they discuss on how to implement location based services in Android using GPS and Web services, which can be used in creating different tracking and monitoring apps, helping users in keeping track of the status of their business or service.

Bhonge, et. al. [12] uses mobile phones in their system wherein users can view the different schedules of buses they want to ride given their input source and destination. The schedules are manually added, modified, and removed in the database on the server side. It also has a GPS functionality wherein users can find their location on a map.

Sujatha, et. al. [13] showcased their mobile based bus tracking system. In it, an app is installed in a phone. The app can only be accessed by registered users. The coordinator users

are the ones giving the location of the buses by tracking the phones. Then, regustered end users can view the location of the bus on the mobile app.

In the paper of Punjabi, et. al., [14] their system also uses GPS wherein an Android application fetches coordinates and sends it to the server. The server then alerts students who are registered for the service via SMS. These students are registered for a specific stop. If a particular bus is approaching a stop, the students who registered for that stop will be alerted.

Simulation is the approach Chandurkar, et. al. [15] used wherein they created a simulator for the main application, bus, and the server. The main focus of the system is the application simulator which simulates the mobile application being used by end users, the display of the bus stop billboards, and the control room application. The bus simulator functions as the one giving the real time GPS data and sends it to the server. The server sets as the main center of the application as it is where all the computations and processes are taking place. This is also where the application simulator sends their requests for real-time update.

III. Theoretical Framework

A. Information System (IS)

An information system is an integrated set of components that are used for collecting, storing, processing, and delivering information. These systems are often used by different business firms and organizations for managing operations, interacting with their customers and suppliers, etc. Different individuals also use these for socializing, shopping, banking, and even entertainment.

Different components are required in creating this to ensure its efficiency and reliability. These components include the hardware, the software, the database, and the human resource. These parts are integral in the system for it to deliver information/services to their respective users. [16]

There are advantages for these kinds of systems. One of which is that it facilitates the users during decision making process since the information will be there for them to access. Another advantage is that it makes operation control easier. They are helpful in the managing department, improving the users' performance. [17]

There are also disadvantages when it comes to using these. When the system suddenly shuts down or crashes, the flow of operations could disrupt. Another disadvantage is that data could be inaccurate. False information could lead to wrong decisions. Data can also be hacked if its security is poor. These data could be distributed to different people, and could fall into the wrong hands. [18]

B. Database Management System

A database management system (DBMS) is a system that deals with the creation and management of databases. With DBMS, applications can create, retrieve, update, and manage information.

The DBMS helps the end users to create, read, update, and delete data in the database.

DBMS serves as the interface between the database and the end users, ensuring that the information is accessible and organized.

With DBMS, multiple end users can access information in the database, in a centralized and controlled manner, without any problems regarding accuracy and consistency of data. DBMS can also give many views of a particular database schema, showing relevant information to the end user.

Using DBMS can also have its disadvantages. In order to provide the advantages, additional work must be performed. Compared to a simple file storage system, DBMS uses more memory. [19]

C. Global Positioning System

Global Positioning System, or GPS, is a system comprised of 24 satellites orbiting around Earth. GPS receivers receive signals from the satellites and these signals will be compared with the geographical data to calculate the exact location of the device on the planet. [10, 11, 13]

There are many uses of GPS in the lives of the people. It can be used as a tool for producers to increase their yield and profit by integrating it to create a map wherein it serves as a guide for them. Another use of this system is it can be used for mapping and surveying different things, like resources, disasters, and alike.

One of the uses of GPS is in navigation. GPS can be seen in emergency response, search and rescue, transportation management, and automobile guidance systems.

Though GPS is a helpful tool, there could be many sources of errors that can degrade its accuracy, like atmospheric effects, measurement noise, and other things that can distort the signals. [20]

D. Assisted Global Positioning System

Similar to GPS, A-GPS, or Assisted Global Positioning System, uses signals to calculate the exact location of a certain device on the planet. This is often used by phones and other mobile devices.

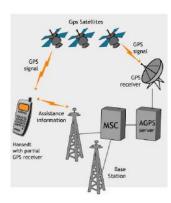


Figure 1. How A-GPS works?

A major difference is that while GPS receive signals directly from the satellites orbiting around Earth, A-GPS receive signals from the satellites via different network resources (i.e. mobile networks), called assistant servers.

One advantage of this method is that it is faster than GPS since there is better connectivity to the servers than directly to the satellites. Another advantage is that things that can distort the signals when received from the satellites will not be a problem to A-GPS.

There are also some disadvantages when it comes to A-GPS. While GPS devices can communicate directly to the satellites for free, A-GPS requires cost since this uses mobile network devices. [21, 22]

IV. Design and Implementation

A. Context Diagram

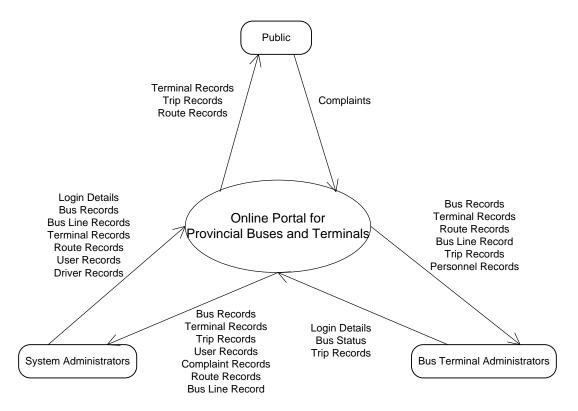


Figure 2. Context Diagram of the Online Portal for Provincial Buses and Terminals

The context diagram illustrates what different users can send and view in the system. All users can view the terminal, bus, bus line, and route records. Only the bus terminal administrators and the system administrators can log in to the system. The system administrators can view the complaint records sent by the public users.

B. Use Case Diagram

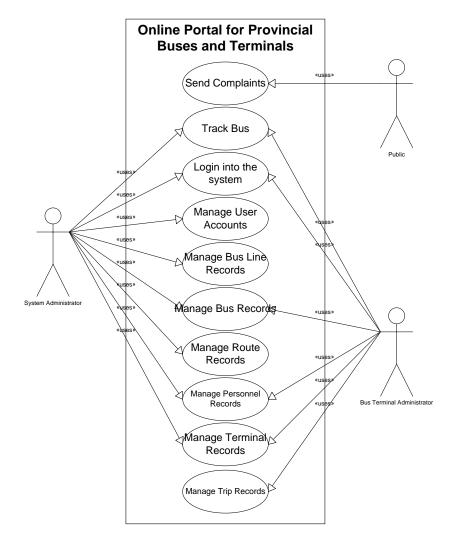


Figure 3. Top Level Use Case Diagram of the Online Portal for Provincial Buses and

Terminals

The system consists of three users: the public, the bus terminal administrator, and the system administrator. All users can view information about the buses, bus lines, routes, and bus terminals stored in the database. Only the bus terminal administrator and the system administrator can log into the system and access other functionalities offered by the system, one of which is to track buses.

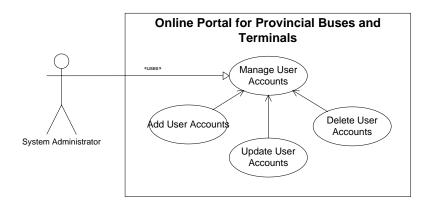


Figure 4. Manage User Accounts Use Case Diagram of the Online Portal for Provincial

Buses and Terminals

Only the system administrator has full access on the user accounts. They can create, update, and delete system administrator and bus terminal administrator accounts, which are important in accessing the functionalities of the system.

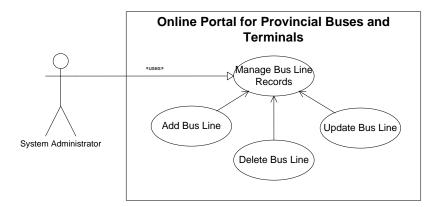


Figure 5. Manage Bus Line Records Use Case Diagram of the Online Portal for Provincial

Buses and Terminals

In managing the bus line records, only the system administrator can add and delete bus line records. They can also update the records, including status (suspended or reinstated).

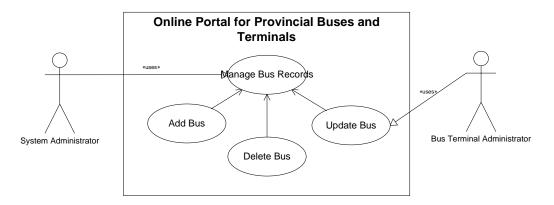


Figure 6. Manage Bus Records Use Case Diagram of the Online Portal for Provincial Buses and Terminals

Managing bus records consists of three things: adding buses, deleting buses, and updating buses. All of these functionalities can be accessed by the system administrator. The bus terminal administrator can only update the availability of their own buses.

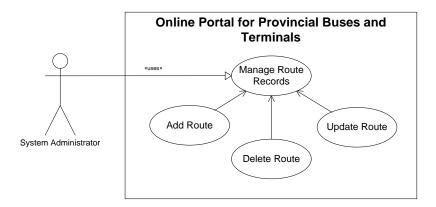


Figure 7. Manage Route Records Use Case Diagram of the Online Portal for Provincial

Buses and Terminals

Though all users can view the route records, only the system administrator can manage these records. They can add, update, and delete routes, which is one of the important factors in classifying the buses in the system.

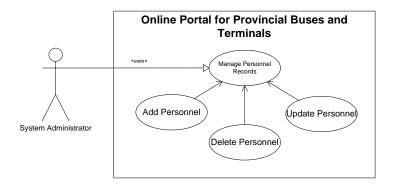


Figure 8. Manage Driver Records Use Case Diagram of the Online Portal for Provincial

Buses and Terminals

The system administrator can add, delete and update personnel records, which will be used in creating trip records.

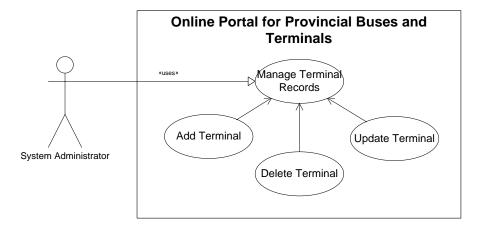


Figure 9. Manage Terminal Records Use Case Diagram of the Online Portal for Provincial

Buses and Terminals

In managing terminal records, the system administrator can add, delete, and update terminal/stop records.

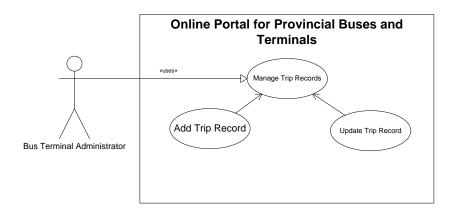


Figure 10. Manage Trip Records Use Case Diagram of the Online Portal for Provincial Buses and Terminals

Only the system administrator can add and update trip records. Though only the system administrator can manage these records, all three users can see these records.

C. Entity Relationship Diagram

The Bus Terminal Management System only consists of a relational database that will be used in disseminating information on the buses and terminals.

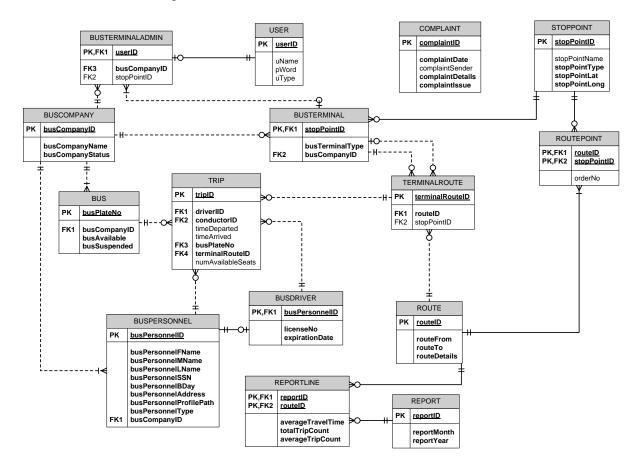


Figure 11. Entity Relationship Diagram of the Online Portal for Provincial Buses and

Terminalss

D. Data Dictionary

Table 1. BUS table

Field	Type	Description
busPlateNo	VARCHAR(8)	primary key; unique identifier for BUS table
busCompanyID	INTEGER	foreign key; unique identifier for
		BUSCOMPANY table
busAvailable	BOOLEAN	if bus is available for service
busSuspended	BOOLEAN	if bus is suspended

Table 1 stores the buses' information.

Table 2. BUSCOMPANY table

Field	Type	Description
busCompanyID	INTEGER	primary key; unique identifier for
		BUSCOMPANY table
busCompanyName	VARCHAR(50)	name of the bus company
busCompanyStatus	ENUM('Active',	status of the bus company
	Suspended)	

Table 2 stores the bus companies' information.

Table 3. BUSDRIVER table

Field	Type	Description
busPersonnelID	INTEGER	foreign key; unique identifier for
		BUSPERSONNEL table
licenseNo	VARCHAR(13)	license number of bus driver
expirationDate	DATETIME	date of expiration of driver's license

Table 3 stores the bus drivers' additional information.

Table 4. BUSPERSONNEL table

Field	Туре	Description
busPersonnelID	INTEGER	primary key; unique identifier for BUSPERSONNEL table
busPersonnelFName	VARCHAR(30)	first name of personnel
busPersonnelMName	VARCHAR(30)	middle name of personnel
busPersonnelLName	VARCHAR(30)	last name of personnel
busPersonnelSSN	INTEGER	ssn of personnel

busPersonnelBDay	DATETIME	birthdate of personnel
busPersonnelAddress	VARCHAR(50)	current address of personnel
busPersonnelProfilePath	VARCHAR(50)	path to profile picture file of personnel
busPersonnelType	ENUM('Conductor',	type of personnel
	'Driver')	
busCompanyID	INTEGER	foreign key; unique identifier of
		BUSCOMPANY table

Table 4 stores the drivers and conductors' information.

Table 5. BUSTERMINAL table

Field	Type	Description
stopPointID	INTEGER	foreign key; unique identifier for STOPPOINT table
busTerminalType	ENUM('Shared', 'Private')	type of bus terminal
busCompanyID	INTEGER	foreign key; unique identifier for BUSCOMPANY table

Table 5 stores the bus teriminals' information.

Table 6. BUSTERMINALADMIN table

Field	Type	Description
userID	INTEGER	foreign key; unique identifier for USER
		table
busCompanyID	INTEGER	foreign key; unique identifier for
		BUSCOMPANY table
stopPointID	INTEGER	foreign key; unique identifier for
		STOPPOINT table

Table 6 stores the bus terminal admins' information

Table 7. COMPLAINT table

Field	Туре	Description
complaintID	INTEGER	primary key; unique identifier for COMPLAINT table
complaintDate	DATETIME	date the complaint is filed
complaintSender	VARCHAR(50)	name of the complaint sender
complaintDetails	VARCHAR(300)	details about the complaint
complaintIssue	ENUM('Discount	issue of the complaint

	Fairness','Cutting	
	Trips','Route	
	Change', 'Other Crime	
	Involvement')	

Table 7 stores the complaint information sent by the public users.

Table 8. REPORT table

Field	Туре	Description
reported	INTEGER	primary key; unique identifier for REPORT table
reportMonth	INTEGER	month that the report covers
reportYear	INTEGER	year that the report covers

Table 8 stores the reports created for the month.

Table 9. REPORTLINE table

Field	Type	Description
reported	INTEGER	foreign key; unique identifier for REPORT
		table
routeID	INTEGER	foreign key; unique identifier for ROUTE
		table
averageTravelTime	TIME	average travel time of route per trip
totalTripCount	INTEGER	total number of trips travelled in a given
		month
averageTripCount	INTEGER	average number of trips per month

Table 9 stores the information gathered for the report.

Table 10. ROUTE table

Field	Type	Description
routeID	INTEGER	primary key; unique identifier for ROUTE
		table
routeFrom	VARCHAR(50)	starting point of route
routeTo	VARCHAR(50)	ending point of route
routeDetails	VARCHAR(100)	other details about the route

Table 10 stores the route information.

Table 11. ROUTEPOINT table

Field	Type	Description
routeID	INTEGER	foreign key; unique identifier for ROUTE
		table
stopPointID	INTEGER	foreign key; unique identifier for STOPPOINT table
orderNo	INTEGER	order of point in the route

Table 11 stores the points used in the route.

Table 12. STOPPOINT table

Field	Type	Description
stopPointID	INTEGER	primary key; unique identifier for
		STOPPOINT table
stopPointName	VARCHAR(30)	name of point
stopPointType	ENUM('Stop',	type of point
	'Terminal')	
stopPointLat	DECIMAL(18,15)	latitude of point
stopPointLong	DECIMAL(17,14)	longitude of point

Table 12 stores any points used as either route point or terminal.

Table 13. TERMINALROUTE table

Field	Type	Description
terminalRouteID	INTEGER	primary key; unique identifier for
		TERMINALROUTE table
routeID	INTEGER	routeID is of TERMINALROUTE
stopPointID	INTEGER	foreign key; unique identifier for STOPPOINT table
		STOTT OHVT LAUIC

Table 13 stores information on a outgoing route created by the Bus Terminal Admin.

Table 14. TRIP table

Field	Type	Description
tripID	INTEGER	primary key; unique identifier for TRIP
		table
driverlID	INTEGER	foreign key; unique identifier for
		BUSDRIVER table
conductorID	INTEGER	foreign key; unique identifier for

		BUSPERSONNEL table
timeDeparted	DATETIME	time the bus departed from terminal
timeArrived	DATETIME	time the bus arrived at terminal
busPlateNo	VARCHAR(8)	foreign key; unique identifier for BUS
		table
terminalRouteID	INTEGER	foreign key; unique identifier for
		TERMINALROUTE table
numAvailableSeats	INTEGER	number of available seats

Table 14 stores the trip information.

Table 15. USER table

Field	Туре	Description
userID	INTEGER	primary key; unique identifer for USER table
uName	VARCHAR(20)	username
pWord	VARCHAR(60)	password
uType	ENUM('sAdmin', 'btA	type of user (system admin, bus terminal
	dmin')	admin)

Table 15 stores user information.

V. Architecture

A. System Architecture

The system follows a Model-View-Controller (MVC) software pattern using CodeIgniter. The views managed and encoded the user interface. The backend part of the system is represented by the controllers, which also serves as a way to deliver data to the model, which connects to the database, and the view.

B. Technical Architecture

The system is a web-based system that will be accessible using the Internet. It will follow the client-server architecture. The system should have the following requirements (minimum).

- 1. 1GHz processor or higher
- 2. At least 2GB of free disk space
- 3. 1GB of RAM or higher
- 4. Web Browser that supports web workers.

VI. Results

A. Public User

Home Page



Figure 12. Public User Home Page

As seen in figure 12, this is the general homepage of the portal. This contains links going to the bus terminal records, trip records, file a complaint, and about the system.

View Terminals

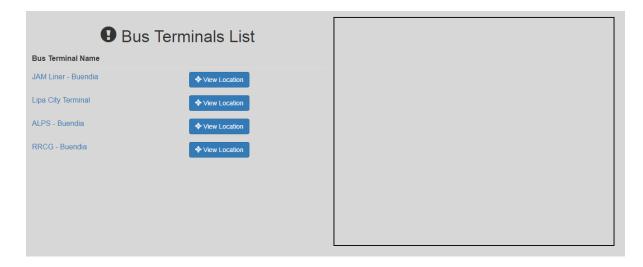


Figure 13. View Terminals for Public Users

In figure 13, public users can view the location of terminals, which will be displayed on the box located at the right side of the page.

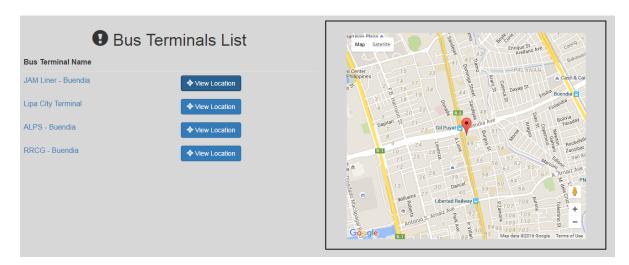


Figure 14. Location of Terminal in Map

Once the user clicked the "View Location" button, the box will now contain a map with a marker which points the location of the terminal chosen.

Trips

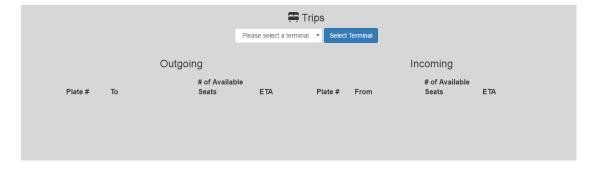


Figure 15. Find Trips page

Figure 15 shows the trips page. The trips page will display current trips travelling around the country. Both the public user and the admin have the same trips page.

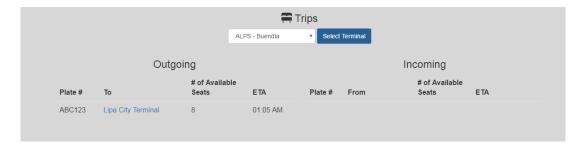


Figure 16. Displayed Trips

Once the user selects a terminal and clicked the "Select Terminal" button. The page will display all trips that are travelling at the moment, showing the Plate number of the bus, the destination terminal, number of available seats and an estimated time of arrival. It also has a link that will display the route information.

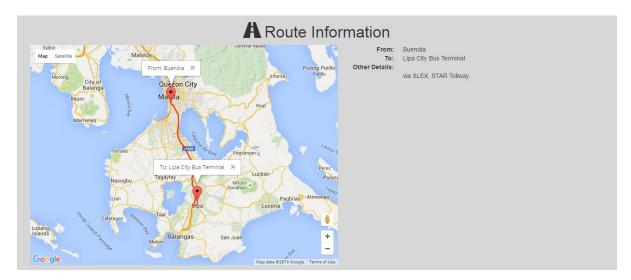


Figure 17. Route Information Display

This page details the route selected, including the source, the destination, some other details about the route, and a illustration of the route on a map.

Complaint Form

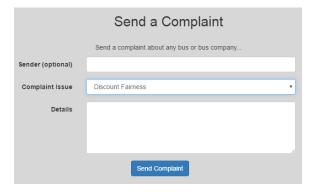


Figure 18. Complaint Form

The user can also send a complaint regarding a particular bus company. Users need to fill up the details about their complaint. The complaint issue field displays different issues most passengers complain about (Discount Fairness, Route Change, etc.). Users may not need to fill out the sender field if they want to.

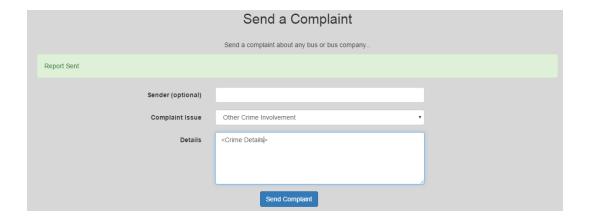


Figure 19. Successful complaint submission

Once the user fill out the necessary details and sent the complaint, the page will display a notice saying the the report has been sent.

Login Page

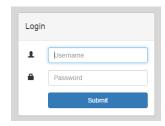


Figure 20. Login Panel

The login page has a panel which asks for a username and a password. Once you fill out the necessary details and your input matches with one of the users registered in the database. You will be redirected to the homepage of either the bus terminal admin or the system admin.

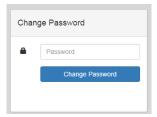


Figure 21. Change Password

The starting password for all users is 'default'. Once logged in with the default password, the user will be redirected to the change password page and they can now change their passwords.

B. System Administrator

Home Page

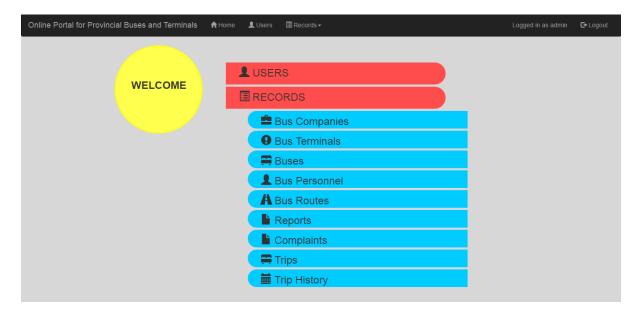


Figure 22. System Admin Homepage

If the user is a system administrator, he/she will be seeing this as their homepage. It has all the links going to the different parts of the system.

Users

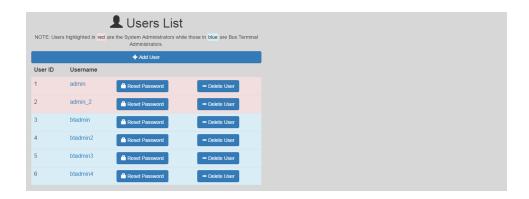


Figure 23. Users Page

In figure 23, the users homepage lists all users registered in the system.



Figure 24. Add User Form (System Admin)

Once the user clicked the "Add User" button on the lists part of the page, the right side will now show a form for adding users. The users just require a username and a user type.

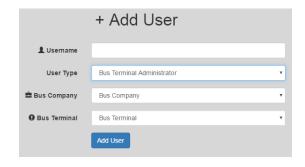


Figure 25. Add User Form (Bus Terminal Admin)

The form changes depending on the user type the admin creates. If they want to create a system admin user, the one shown in Figure 24 will be displayed. If they want to create a bus terminal admin user, the one shown in Figure 25 will be displayed. The only difference is that the bus terminal admin user requires two more input, the bus company and the bus terminal.

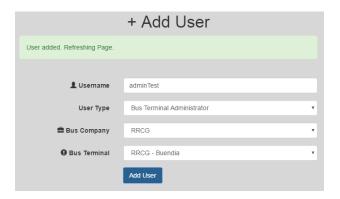


Figure 26. Add User Success

Once the user fill out the necessary details and submit it to the system, the user will be notified that the newly created user has been added to the database, and the page will reload, now with the newly created user on the list.

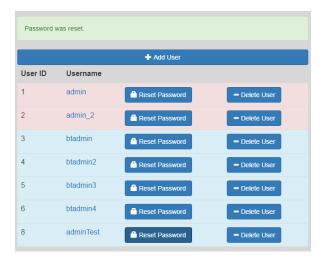


Figure 27. Reset Password

Once a user forgot his/her password, the user can go to the system admin in order to reset their password. The password will then be set back to its default password 'default'.

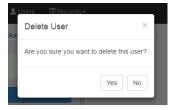


Figure 28. Delete User Confirmation

Once the user deletes a particular account, a confirmation window will appear asking if the user is sure about deleting the account.



Figure 29. Delete User Success

Once users confirm their decision on deleting the account, the account will be deleted, notifying the user that the user account has been deleted.

Bus Companies

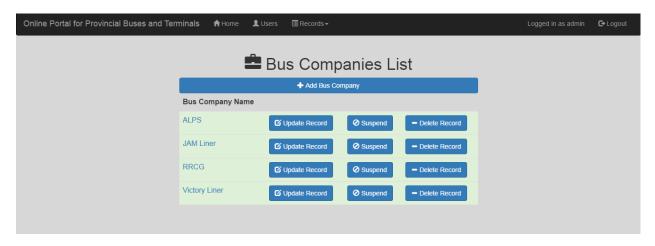


Figure 30. Bus Companies Page

In figure 30, system administrators can add, update and delete bus companies.



Figure 31. Add Bus Company

When adding a bus company record, a popup window (Figure 31) will be displayed asking the user the necessary information.



Figure 32. Edit Bus Company

Similar to adding a bus company record, when editing a bus company record, a popup window will be displayed asking the user necessary information (Figure 32).

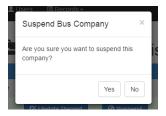


Figure 33. Suspend Bus Company Confirmation



Figure 34. Suspended Bus Company Row

In suspending a bus company, a popup window will appear (Figure 33) asking for a confirmation on the action. Once the user confirms, the bus company will be suspended and the "Suspend" button will be changed to "Reinstate" button.

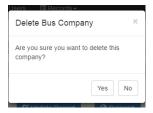


Figure 35. Delete Bus Company Record Confirmation

Similar to the previous action, in deleting a bus company, a popup window will appear (Figure 35) asking for a confirmation on the deletion. Once the user confirms, the record will be deleted and the page will reload.

Bus Terminals

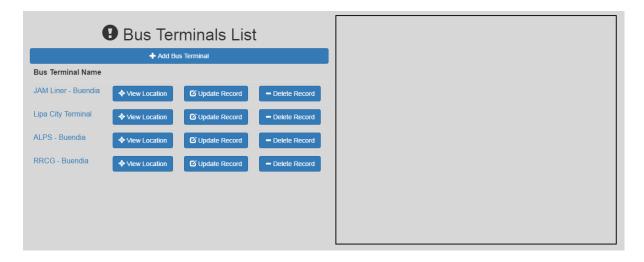


Figure 36. Bus Terminals Page

Figure 36 shows the bus terminals page in the eyes of a system admin. Compared to the ones seen by the public user (Figure 13), more options are added to the page, including addition of bus terminals, update of bus terminals, and deletion of bus terminals.

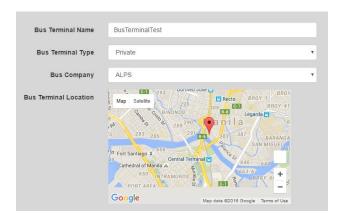


Figure 37. Add and Edit Bus Terminal Form

Figure 37 shows the form format of both add and edit bus terminals. The form requires the bus terminal name, the bus terminal type, bus terminal location, and bus company (If bus terminal type is equal to "Private").

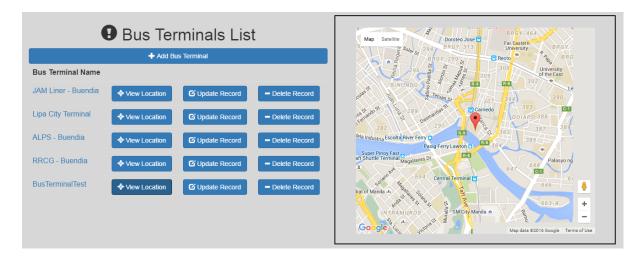


Figure 38. View Location of Bus Terminal (System Admin)

Similar with the public users, the system admin can also view location of bus terminals in the map.

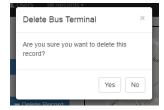


Figure 39. Delete Bus Terminal Confirmation

If the admin wants to delete the bus terminal, a confirmation window will appear. (Figure 39)

Buses

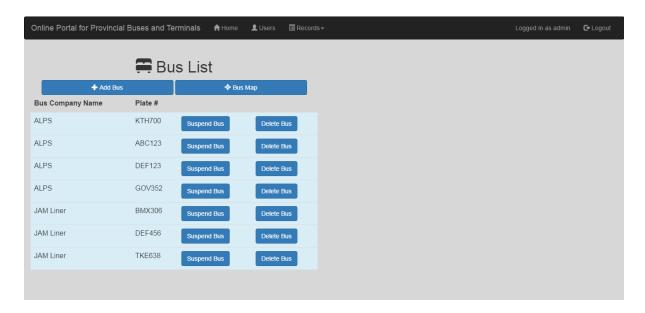


Figure 40. Buses Page (System Admin)

In figure 40, the system admin can view, add, suspend, and delete buses.

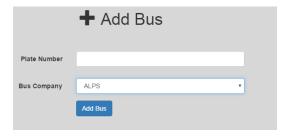


Figure 41. Add Bus Form

When adding a bus, the admin need only to input the plate number and the bus company who owns the bus.

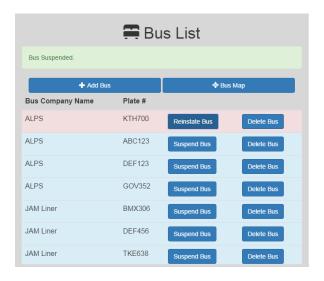


Figure 42. Bus Suspended

The system admin can also suspend and reinstate buses. (Figure 42)

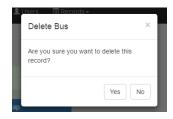


Figure 43. Delete Bus Confirmation

When deleting a bus, a confirmation window will pop up. (Figure 43)

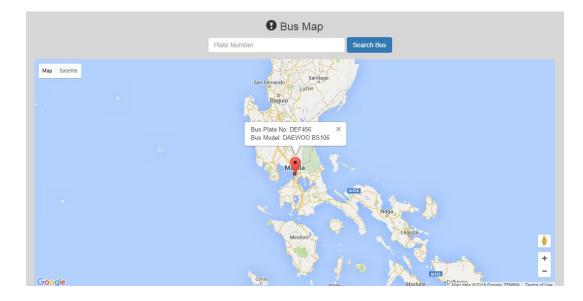


Figure 44. Bus Map

The bus map displays the location of the buses registered in the system. It also displays the model of the bus. Both the system admin and the bus terminal admin can access this. The only difference is that the system admin can see all the buses registered in the system while the bus terminal admin can only see buses owned by the user's bus company.

Bus Personnel

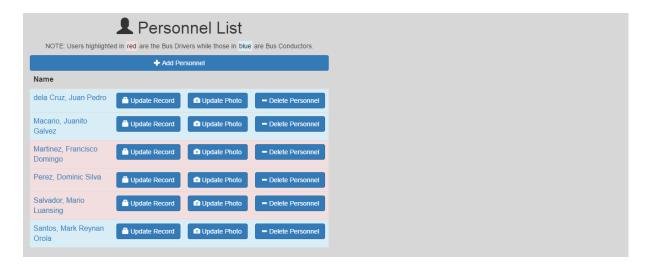


Figure 45. Bus Personnel Page

As shown in Figure 45, the system admin can add, update, and delete personnel information.

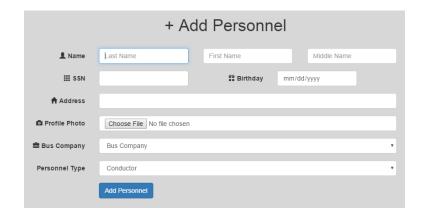


Figure 46. Add Personnel Form

When adding a bus personnel record, the system admin will be redirected to a page with the add personnel form (Figure 46). The following fields (Name, SSN, Birthday, Address, Profile Photo, Bus Company, Personnel Type, License No. and Expiration Date if Personnel is Driver) are required in creating the record. Once the details are filled out, the personnel will be added.

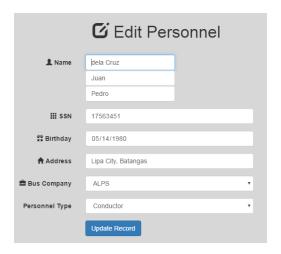


Figure 47. Edit Personnel Form

When editing personnel record, the right side of the bus personnel page will display the edit personnel form (Figure 47).



Figure 48. Update Photo

In updating a Personnel's photo, a window will appear asking for the image file of the new profile photo. (Figure 48)

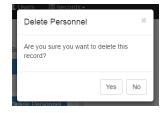


Figure 49. Delete Personnel Confirm Window

When deleting a bus personnel record, a confirmation window will pop up. (Figure

49)

Bus Routes

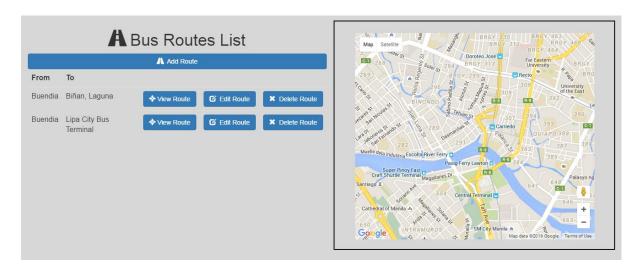


Figure 50. Bus Routes Page

In Figure 50, the system admin can add, view, edit, and delete route records.

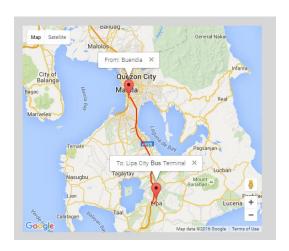


Figure 51. View Bus Route

The system admin can also see the bus route along with the location of the source and destination terminals.

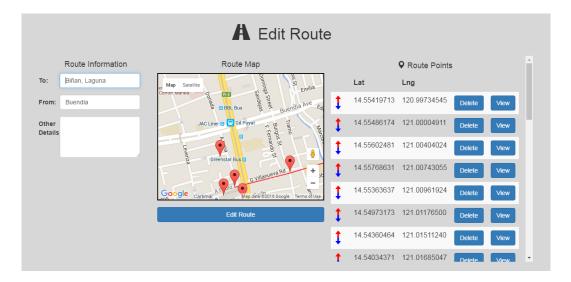


Figure 52. Add Bus and Update Bus Form

Both Add Bus and Update Bus follow the same format. Details are required to be filled up, including the name of the Source and the Destination, the coordinates of some points in the map, and other details regarding the route.



Figure 53. Delete Route Confirm Window

When deleting a route record, a confirmation window will pop up. (Figure 53)

Reports



Figure 54. Reports Page

Figure 54 shows the Reports Page where the system admin can view reports for the previous months. The reports are auto-generated once a new month begins.



Figure 55. View Report

Once the admin clicked on a report, the user will be redirected to a view report page, displaying the month, the year, the routes, and their average travel times, and total number of trips for that particular month.

Complaints



Figure 56. Complaints List

As shown in figure 56, this page lists all complaints sent by the public users. These complaints are ordered from the latest to the oldest.

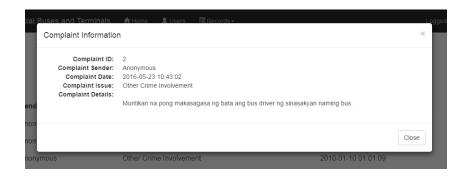


Figure 57. Complaint Information

Once the admin clicked on a complaint, other details will display in a popup window (Figure 57).

Trips

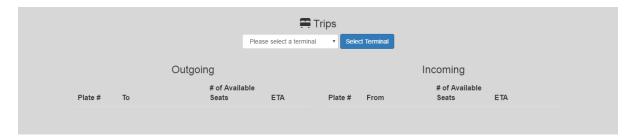


Figure 58. View Trips (System Admin)

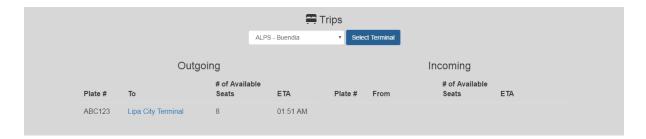


Figure 59. View Trips Display (System Admin)

Viewing trips as a system admin is the same as in the public user. The user selects a terminal, and the page displays trips that are currently travelling. (Figures 58 and 59)

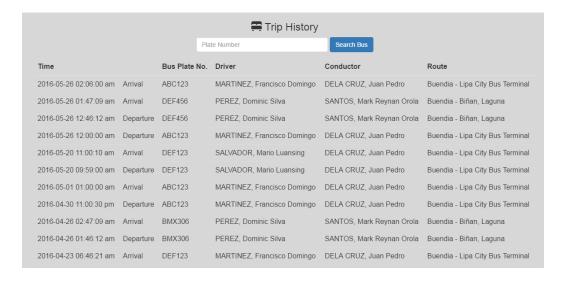


Figure 60. View Trip History

The system admin can view the history of all the trips stored in the database, what time the bus departed, what time the bus arrived, who are the drivers and conductors, what is the bus plate number, and what is the route.

C. Bus Terminal Admin

Home Page

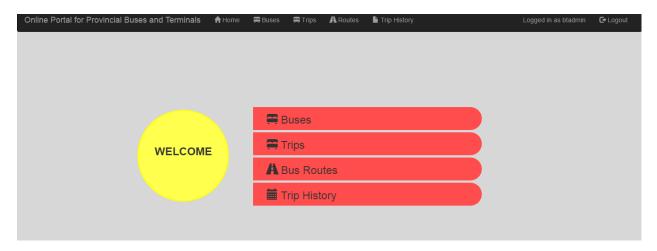


Figure 61. Bus Terminal Admin Homepage

Figure 61 shows the bus terminal admin homepage. It has less access than the system admin but they have access to trips wherein they can add outgoing trips from their bus terminals.

Buses



Figure 62. Buses Page (Bus Terminal Admin)

As seen in Figure 62, bus terminal admins can view the buses registered in the system but unlike the system admins, the bus terminal admins can view the buses owned by their bus company. Another difference is that the bus terminal admins have a available/unavailable button which can be used to set the status of buses whether they available for service of not.

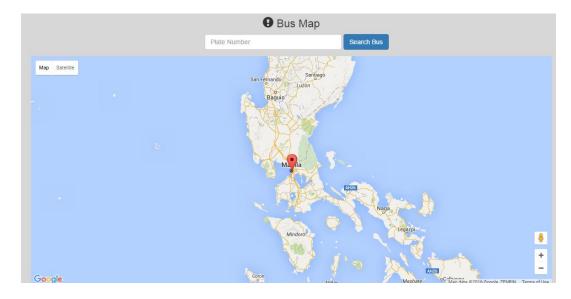


Figure 63. Bus Map (Bus Terminal Admin)

Similar to the system admins, the bus terminal admins can view the location of buses registered in the system, but same with the buses page, the bus terminal admins can only view buses owned by their company.

Trips



Figure 64. Trips Page (Bus Terminal Admin)

Similar to public users and system admins, the bus terminal admins can view trips currently travelling around the country. The only difference is that instead of selecting from different terminals, the bus terminal admins' trips page is stuck to the terminal they are assigned.

Another difference is that there is a dispatch bus button, which can be used in adding outgoing trips. An update button is also present whenever the bus terminal admin updates the number of available seats.

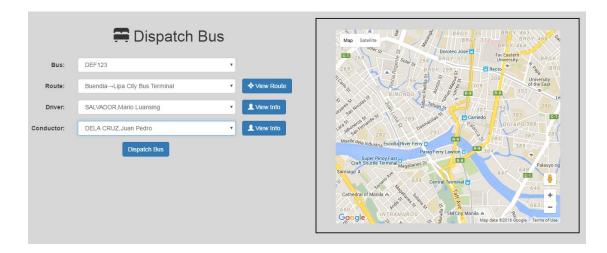


Figure 65. Dispatch Bus Page

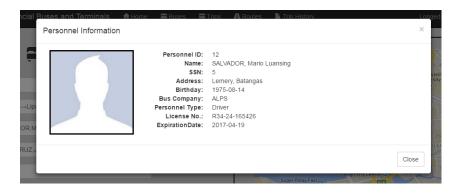


Figure 66. View Personnel Info (Bus Terminal Admin)

In dispatching buses, the bus terminal admin will be redirected to the dispatch bus page. (Figure 65) They need to select the bus, the route (which can be displayed on the map on the right), the driver and the conductor (which both can be viewed similar to Figure 66).

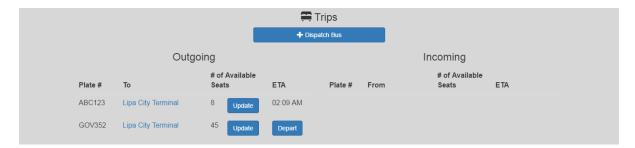


Figure 67. Depart Bus

Once the bus terminal admin added the trip to the system, the trip will start off with a "Depart" button. Once pressed, it signifies that the bus left the terminal.



Figure 68. Arrive Bus

Once the bus arrived at the destination terminal, the bus terminal admin of the destination terminal will then press the "Arrived" button, signifying that the bus arrived at the bus terminal.



Figure 69. Update Number of Available Seats Form

The bus terminal admin can update the number of seats a certain outgoing trip can accommodate.

Bus Routes

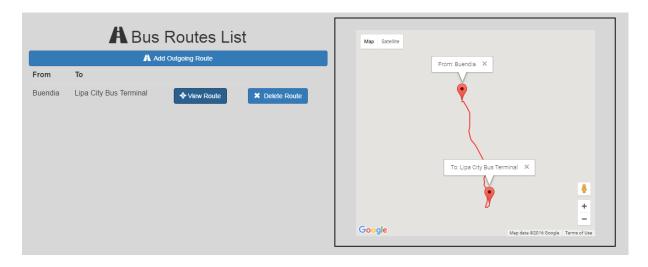


Figure 70. Bus Routes Page (Bus Terminal Admin)

In Figure 70, the bus terminal admin can view outgoing routes they created, which is used in dispatching buses. They can also add, view, and delete these outgoing routes.

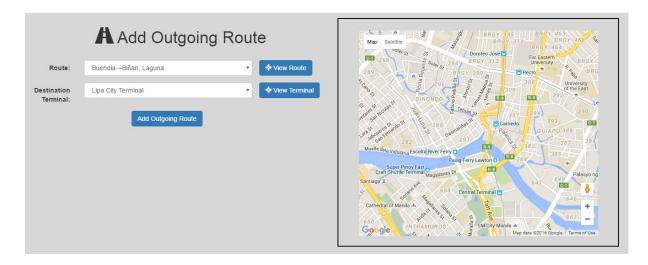


Figure 71. Add Outgoing Route Page

As seen in Figure 71, the only details required in creating outgoing routes is the route and the destination terminal, as the source terminal is already the assigned terminal. Both of them can be viewed on the map on the right.

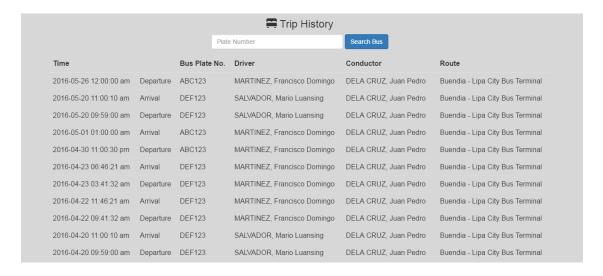


Figure 72. View Trip History (Bus Terminal Admin)

Similar to the system admins, the bus terminal admins can view the history of the trips. The difference is that the bus terminal admins can only view the history of trips associated with the assigned terminal and bus company.

VII. Discussion

The system is an online tool created as a solution to the issues pertaining to bus management and bus tracking. With the rise of current technologies, an accessible way of managing bus information and bus tracking can be used by both the bus companies, and the public.

The public can now find terminals which currently have available buses that travel to their target destination. They can also see what time will the bus probably arrive at the terminal. They can also send complaints about a particular bus or bus company.

The bus companies can now manage their buses, personnel, terminals, and others. They can also track where currently their buses are. Agencies can view the complaints and reports and use this information to plan.

With CodeIgniter's MVC patterned system, implementing the system was not difficult and much more organized. Additionally, with the help of Google Maps, bus companies can now view the location of the buses, display routes on the map, and predict the estimated time the bus will arrive at a particular terminal.

However, the estimated time of arrival Google Maps delivered could not be an accurate one since there could be factors which were not considered.

Another issue with the system is that the server's clock needs to be synced to the real world clock, as possible errors will happen.

VIII. Conclusion

An online portal is created as a way to solve the issues involving bus management. The Online Portal for Provincial Buses and Terminals (OPPBT) is created to help solve these problems. With it implemented with CodeIgniter, the system is more organized. The system is also implemented with Google Maps API as a way to present data such as bus location, terminal location, and routes. It can also give an estimated time of arrival, though its value could be inaccurate for there could be some factors that were not considered.

IX. Recommendation

With the system possibly operating on the long-term, the server should be able to maintain heavy jobs like getting and computing location data and estimated time of arrival.

Collaborating with other bus companies is a big help in the system for they could provide tools to improve and to make it more reliable and accurate, and secure.

The way the system gets the ETA uses Google Maps API. To further increase its accuracy, using real traffic data provided by MMDA can be considered in its computation. The computation can also include real departure and arrival data provided by other bus companies.

Adding clusters to terminals can be a help for better presentation of the terminal lists as they will be grouped by the location of the terminals.

Adding drop-off points in the routes can give more information for the passengers, giving them more knowledge on the route they're viewing.

In the creation of the route, there is a list of latitudes and longitudes on a table, instead of those figures displayed on the screen, street names or other landmarks associated with the location can be a better way to provide more information to the public users.

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Sa mga kaibigan ko sa Block 12, salamat ng marami sa inyo!!!

2-1? (Dado, Jaimee, Joyce, Larisse, Mich, Ron): Salamat sa mga masasayang memories. Kahit pabebe ako at di ako madalas nakakasama sa mga karaoke o kakain lang sa KFC, andyan pa rin kayo. Mamimiss ko yung mga pagpaplano kung saan tayo kakain tapos mapupunta lang din tayo sa McDo. Hahahahaha

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Salamat sa pamilya ko na andyan nung ginagawa ko yung SP. Pasensya na rin po kung ngayon lang din natapos. Mamimiss ko yung mga pag-uwi ni Maui, magtatanong "Kuya, may nagawa ka ba sa SP mo?" o magsasabi na "Kuya, tapusin mo na iyan, kakaawa na ang mga inay eh." . Salamat din po sa pagiging mahinahon sa akin. Mahal ko po kayo.

Salamat din sa pinsan kong si Michelle Andal. Nagchicheer din sakin para tapusin tong SP na to.

Last but not the least, nagpapasalamat na rin ako kay God. Himala na lang yung bigla biglang defense. Salamat din sa mga iba pang mga posibleng himala sa akin (Pag-pasa sa isang subject na feeling ko babagsak ako...) Maraming salamat po.

APPENDIX

Source Code

```
header_btAdmin.php
                                                                   <span class="icon-bar"></span>
<head>
                                                                   <span class="icon-bar"></span>
   <style>
                                                                  </button>
                                                                <a class= "navbar-brand" href="<?php</pre>
      .dropdown-submenu {
         position: relative;
                                                      echo site_url('home');?>">Online Portal for
                                                      Provincial Buses and Terminals</a>
                                                             </div>
      .dropdown-submenu>.dropdown-menu {
                                                             <div class = "collapse navbar-collapse"</pre>
         top: 0;
                                                      id="myNavbar">
         left: 100%;
                                                                margin-top: -6px;
                                                                   \langle li \rangle \langle a | href = "\langle php |
         margin-left: -1px;
                                                      site_url('home');?>"><span</pre>
                                                                                    class="glyphicon
         -webkit-border-radius: 0 6px 6px 6px;
                                                      glyphicon-home"></span> Home</a>
                                                                                       "<?php
         -moz-border-radius: 0 6px 6px;
                                                                                                 echo
                                                                   <a href
         border-radius: 0 6px 6px 6px;
                                                      site_url('buses');?>"><span</pre>
                                                                                    class="glyphicon
      }
                                                      glyphicon-bed"></span> Buses</a>
                                                                   <a href =
                                                                                       "<?php
                                                      site_url('trips');?>"><span</pre>
      .dropdown-submenu:hover>.dropdown-menu {
                                                                                   class="glyphicon
         display: block;
                                                      glyphicon-bed"></span> Trips</a>
                                                                   <a
                                                                           href =
                                                                                        "<?php
                                                      site_url('busroutes');?>"><span</pre>
      .dropdown-submenu>a:after {
                                                      class="glyphicon
                                                                              glyphicon-road"></span>
         display: block;
content: " ";
                                                      Routes</a>
                                                                   <a
                                                                            href =
                                                                                       "<?php
                                                      site_url('trips/viewHistory');?>"><span</pre>
         float: right;
         width: 0;
                                                      class="glyphicon glyphicon-file"></span> Trip
         height: 0;
                                                      History</a>
         border-color: transparent;
                                                                border-style: solid;
                                                                border-width: 5px 0 5px 5px;
                                                      right">
         border-left-color: #ccc;
                                                                              class
                                                                                             "navbar-
                                                                   <p
         margin-top: 5px;
                                                      text">Logged
                                                                                      <?php
                                                                                                 echo
                                                                      in
                                                                               as
         margin-right: -10px;
                                                      $username;?>
                                                                                       "<?php
      }
                                                                            href
                                                                   <a
                                                                                                 echo
                                                      site_url('home/logout');?>"><span</pre>
      .dropdown-submenu:hover>a:after {
                                                      class="glyphicon
                                                                           glyphicon-log-out"></span>
         border-left-color: #fff;
                                                      Logout</a>
      }
                                                                </div>
                                                         </div>
      .dropdown-submenu.pull-left {
         float: none;
                                                      </nav>
                                                      header_default.php
      .dropdown-submenu.pull-left>.dropdown-
                                                      <!-- NAVIGATION BAR -->
menu {
                                                      <nav class = "navbar navbar-inverse">
         left: -100%;
                                                          <div class = "container-fluid">
         margin-left: 10px;
                                                             <div class = "navbar-header">
         -webkit-border-radius: 6px 0 6px 6px;
                                                                <button type="button" class="navbar-</pre>
         -moz-border-radius: 6px 0 6px 6px;
                                                                    data-toggle="collapse"
                                                      target="#myNavbar">
         border-radius: 6px 0 6px 6px;
                                                                   <span class="icon-bar"></span>
                                                                   <span class="icon-bar"></span>
   </style>
</head>
                                                                   <span class="icon-bar"></span>
                                                                  </button>
                                                                <a class= "navbar-brand" href="<?php</pre>
<!-- NAVIGATION BAR -->
                                                      echo site_url('home');?>">Online Portal for
<nav class = "navbar navbar-inverse">
   <div class = "container-fluid">
                                                      Provincial Buses and Terminals</a>
      <div class = "navbar-header">
                                                             </div>
         <button type="button" class="navbar-</pre>
                                                             <div class = "collapse navbar-collapse"</pre>
             data-toggle="collapse"
                                         data-
                                                      id="myNavbar">
target="#myNavbar">
                                                                <span class="icon-bar"></span>
```

```
= "<?php
             <a href
                                                             .dropdown-submenu.pull-left {
                                          echo
site_url('home');?>"><span</pre>
                              class="glyphicon
                                                                float: none;
glyphicon-home"></span> Home</a>
             \langle li \rangle \langle a | href = "\langle php |
site_url('busterminals');?>"><span</pre>
                                                             .dropdown-submenu.pull-left>.dropdown-
class="glyphicon
                        glyphicon-exclamation-
                                                      menu {
sign"></span> Bus Terminals</a>
                                                                left: -100%;
             <a href =
                                 "<?php
                                                                margin-left: 10px;
site_url('trips');?>"><span</pre>
                                                                -webkit-border-radius: 6px 0 6px 6px;
                              class="glyphicon
glyphicon-search"></span>
                                                                -moz-border-radius: 6px 0 6px 6px;
                                Look
Buses</a>
                                                                border-radius: 6px 0 6px 6px;
            <a
                     href
                                 "<?php
                                          echo
site_url('home/complaint');?>"><span</pre>
                                                          </style>
class="glyphicon
                       glyphicon-flag"></span>
                                                       </head>
Complaint</a>
                     href
                           = "<?php
                                                       <!-- NAVIGATION BAR -->
             <a
                                          echo
site_url('home/about');?>"><span</pre>
                                                       <nav class = "navbar navbar-inverse">
class="glyphicon
                           glyphicon-question-
                                                          <div class = "container-fluid">
sign"></span> About OPPBT</a>
                                                             <div class = "navbar-header">
                                                                <button type="button" class="navbar-</pre>
         class = "nav navbar-nav navbar-
                                                                    data-toggle="collapse"
                                                      toggle"
right">
                                                      target="#myNavbar">
             <a href
                                 "<?php
                                                                    <span class="icon-bar"></span>
                            =
                                          echo
site_url('login');?>"><span</pre>
                             class="glyphicon
                                                                    <span class="icon-bar"></span>
glyphicon-log-in"></span> Login</a>
                                                                    <span class="icon-bar"></span>
          </button>
                                                                <a class= "navbar-brand" href="<?php</pre>
      </div>
   </div>
                                                       echo site_url('home');?>">Online Portal for
</nav>
                                                      Provincial Buses and Terminals</a>
                                                             </div>
                                                             <div class = "collapse navbar-collapse"</pre>
header_sAdmin.php
<head>
                                                      id="myNavbar">
   <style>
                                                                .dropdown-submenu {
                                                                    \langle li \rangle \langle a | href = "\langle php |
                                                                                                 echo
                                                       site_url('home');?>"><span</pre>
         position: relative;
                                                                                    class="glyphicon
                                                      glyphicon-home"></span> Home</a>
      }
                                                                    class = "dropdown">
                                                                       <a href =
                                                                                       "<?php
      .dropdown-submenu>.dropdown-menu {
                                                                                                 echo
                                                       site_url('users');?>"><span</pre>
                                                                                   class="glyphicon
         top: 0;
         left: 100%;
                                                      glyphicon-user"></span> Users</a>
         margin-top: -6px;
                                                                    margin-left: -1px;
                                                                    class = "dropdown">
                                                                       <a class = "dropdown-toggle"
"dropdown" href = "#"><span</pre>
         -webkit-border-radius: 0 6px 6px 6px;
         -moz-border-radius: 0 6px 6px;
                                                      data-toggle =
         border-radius: 0 6px 6px 6px;
                                                      class="glyphicon glyphicon-list-alt"></span>
      }
                                                      Records<span class = "caret"></span></a>
                                                                       .dropdown-submenu:hover>.dropdown-menu {
                                                                          <a href = "<?php echo
                                                       site_url('buscompanies');?>"><span</pre>
         display: block;
                                                      class="glyphicon glyphicon-briefcase"></span>
                                                      Bus Companies</a>
      .dropdown-submenu>a:after {
                                                                          <a href = "<?php echo"
                                                       site_url('busterminals');?>"><span</pre>
         display: block;
         content: " ";
                                                      class="glyphicon
                                                                               glyphicon-exclamation-
                                                       sign"></span> Bus Terminals</a>
         float: right;
         width: 0;
                                                                          <a href = "<?php echo
         height: 0;
                                                       site_url('buses');?>"><span class="glyphicon")</pre>
         border-color: transparent;
                                                      glyphicon-bed"></span> Buses</a>
         border-style: solid;
                                                                          <a href = "<?php echo
         border-width: 5px 0 5px 5px;
                                                      site_url('buspersonnels');?>"><span</pre>
         border-left-color: #ccc;
                                                       class="glyphicon glyphicon-user"></span>
         margin-top: 5px;
                                                      Personnel</a>
         margin-right: -10px;
                                                                          <a href = "<?php echo
                                                       site_url('busroutes');?>"><span</pre>
      }
                                                       class="glyphicon glyphicon-road"></span>
      .dropdown-submenu:hover>a:after {
                                                      Routes</a>
         border-left-color: #fff;
                                                                          <a href = "<?php echo
                                                       site_url('reports/viewAllReports');?>"><span</pre>
```

```
class="glyphicon
                      glyphicon-file"></span>
                                                             }
Reports</a>
                                                          </style>
                  <a href = "<?php echo
site_url('reports/viewAllComplaints');?>"><span</pre>
                                                          <title>About OPPBT</title>
class="glyphicon
                      glyphicon-file"></span>
                                                       </head>
Compaints</a>
                                                       <body>
                  <a href = "<?php echo"
site_url('trips');?>"><span</pre>
                            class="glyphicon
                                                          <div class = "container col-sm-offset-3</pre>
glyphicon-bed"></span> Trips</a>
                                                    col-sm-6">
                  <a href = "<?php echo
                                                              site_url('trips/viewHistory');?>"><span</pre>
                                                             <h1 class = "text-center"><span class
class="glyphicon
                  glyphicon-calendar"></span>
                                                             "glyphicon
                                                                              glyphicon-question-
Trip History</a>
                                                    sign"></span></h1>
               <h1 class
                                                                               "text-center">ABOUT
            OPPBT</h1>
         <br/>
         class = "nav navbar-nav navbar-
                                                                             align
right">
                                                    "justify">      &
            <p
                      class
                                     "navbar-
                                                    nbsp;      
text">Logged
                                                       Online Portal for Provincial
                                         echo
                in
                       as
                              <?php
                                                    Buses and Terminals (OPPBT) is an online portal
$username;?>
                                                    wherein people can look for realtime
                                "<?php
                    href
            <a
                          =
                                         echo
                                                    information on travelling provincial buses
site_url('home/logout');?>"><span</pre>
class="glyphicon
                    glyphicon-log-out"></span>
                                                    around the country. This is a project created
Logout</a>
                                                    by Francis Ray B. Ilagan as a requirement for
                                                    CS198 (Special Problem) in University of the
         </div>
                                                    Philippines - Manila.
   </div>
                                                          </div>
</nav>
about.php
                                                       </body>
                                                    </html>
defined('BASEPATH') OR exit('No direct script
access allowed');
                                                    addOutgoingRoute.php
<!DOCTYPE html>
                                                    defined('BASEPATH') OR exit('No direct script
<html lang="en">
                                                    access allowed');
   <head>
                                                    ?>
                                                    <!DOCTYPE html>
                             rel="stylesheet"
                                                    <html lang="en">
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                       <head>
3.3.5/css/bootstrap.min.css">
                                                                                  rel="stylesheet"
                                                    href="http://maxcdn.bootstrapcdn.com/bootstrap/
      <script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                    3.3.5/css/bootstrap.min.css">
ry/1.11.3/jquery.min.js"></script>
      <script
                                                          <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                    src="https://ajax.googleapis.com/ajax/libs/jque
.3.5/js/bootstrap.min.js"></script>
                                                    ry/1.11.3/jquery.min.js"></script>
                                                          <script
      <meta charset = "utf-8">
                                                    src="http://maxcdn.bootstrapcdn.com/bootstrap/3
      <meta name = "viewport" content = "width</pre>
                                                    .3.5/js/bootstrap.min.js"></script>
= device-width, initial-scale = 1">
                                                    src="http://maps.googleapis.com/maps/api/js">
      <style>
                                                    script>
         .panel {
            position: absolute;
                                                          <script>
            top: 0;
                                                             var map;
            bottom: 0;
                                                             var terminalPositions = {};
            left: 0;
                                                             <?php foreach ($endPoints as $e):?>
                                                                terminalPositions["<?php</pre>
            right: 0;
            width: 600px;
                                                    'ep'.$e -> stopPointID;?>"] = {lat:<?php echo</pre>
            height: 300px;
                                                    $e -> stopPointLat;?>,lng:<?php echo $e ->
            background-color: #D7D7D7;
                                                    stopPointLong;?>}
            border-color: #D7D7D7;
                                                             <?php endforeach;?>
            margin: auto;
                                                             var marker;
                                                             var infowindow;
         body {
                                                             var
                                                                       myCenter
                                                    google.maps.LatLng(14.5980716,120.9796513);
            background-color: #D7D7D7;
```

```
<div class = "form-group">
         function initialize() {
                                                                       <label for = "rFrom" class =</pre>
             var mapProp = {
                                                       "control-label
                                                                                col-sm-2">Destination
                center: myCenter,
                zoom: 15,
                                                      Terminal:</label>
                mapTypeId:
                                                                       <div class = "col-sm-7">
                                                                          <select class = "form-</pre>
google.maps.MapTypeId.ROADMAP
                                                      control" id = "terminalIDs">
            };
                                                                             <?php foreach($endPoints</pre>
            map
google.maps.Map(document.getElementById("map"),
                                                      as $e):?>
mapProp);
                                                                                 <?php
                                                                                          if($e
                                                      stopPointID != $bTerminalID):?>
         }
                                                                                    <option value =</pre>
                                                       "<?php echo $e -> stopPointID?>"><?php echo $e</pre>
   google.maps.event.addDomListener(window,
                                                       -> stopPointName;?></option>
'load', initialize);
                                                                                <?php endif;?>
      </script>
                                                                             <?php endforeach;?>
                                                                          </select>
      <meta charset = "utf-8">
                                                                       </div>
      <meta name = "viewport" content = "width</pre>
                                                                       <a href = "#" class = "btn
                                                      btn-primary" onClick = "viewTerminal();"><span</pre>
= device-width, initial-scale = 1">
                                                      class = "glyphicon glyphicon-
                                                       screenshot"></span> View Terminal</a>
      <style>
         body {
                                                                   </div>
                                                                   <input type = "submit" class =</pre>
            background-color: #D7D7D7;
                                                       "col-sm-offset-4 btn btn-primary" value = "Add
                                                      Outgoing Route"/>
                                                                </form>
         #list {
             height: 85%;
                                                             </div>
             overflow: auto;
                                                             <div class = "container col-sm-6" style</pre>
                                                       = "border:2px solid black;width: 45%; height:
      </style>
                                                       500px; position: relative;">
                                                                <div id = "map" style = "width: 90%;</pre>
      <title>Add Outgoing Route</title>
   </head>
                                                      height: 450px; position: relative; top: 25px;
   <body>
                                                      left: 30px;">
                                                                </div>
      <div class = "container col-sm-6" id =</pre>
                                                             </div>
"routeForm">
         <h1 class = "text-center"><span class
                                                             <script>
    "glyphicon glyphicon-road"></span>
                                                                var markers = [];
Outgoing Route</h1>
                                                                var m1, m2, rLine, bound, i1, i2;
         <form class = 'form-horizontal' role</pre>
= 'form' onSubmit = "addRoute(); return
                                                                function addRoute() {
false;">
                                                                   var eA
                                                      document.getElementById("endPointA").value;
             <div id = "n"></div>
             <br/>
                                                                   var eB
             document.getElementById("terminalIDs").value;
                <input type = "hidden"</pre>
                                                                   var
                                                                                   rID
name="endPointA" id="endPointA" value = "<?php</pre>
                                                       document.getElementById("routeIDs").value;
echo $bTerminalID;?>"/>
                                                                   var
                                                                                  param
                <label for = "rFrom" class =</pre>
                                                       "endPA="+eA+"&endPB="+eB+"&rID="+rID;
"control-label col-sm-2">Route:</label>
                <div class = "col-sm-7">
                                                                   var xmlhttp;
                   <select class = "form-</pre>
                                                                   var routeInfo;
control" id = "routeIDs">
                      <?php foreach($busRoutes</pre>
                                                                   if (window.XMLHttpRequest) {
as $b):?>
                                                                       xmlhttp=new XMLHttpRequest();
                          <ontion
                                    value
"<?php echo $b -> routeID?>"><?php echo $b ->
                                                                   else {
routeFrom;?>→<?php</pre>
                                     $b
                           echo
                                                                      xmlhttp=new
                                            ->
routeTo;?></option>
                                                      ActiveXObject("Microsoft.XMLHTTP");
                      <?php endforeach;?>
                   </select>
                </div>
                                                          xmlhttp.onreadystatechange=function() {
if (xmlhttp.readyState==4 &&
                                                       xmlhttp.status==200) {
class = "glyphicon
                                    glyphicon-
                                                                          if(xmlhttp.responseText ==
screenshot"></span> View Route</a>
                                                       "Route Added") {
            </div>
```

```
if(marker != null) {
   document.getElementById("n").className
                                                                         marker.setMap(null);
"alert alert-success";
                                                                         marker.setAnimation(null);
                                                                         marker = null;
   document.getElementById("n").innerHTML
                                                                      if(i1 != null && i2 != null && m1
xmlhttp.responseText;
                                                         != null && m2!= null && rLine != null && bound
                                                        != null) {
                    else {
                                                                         m1.setMap(null);
   document.getElementById("n").className
                                                                         m2.setMap(null);
                                                                         i1.setMap(null);
"alert alert-danger";
                                                                         i2.setMap(null);
   document.getElementById("n").innerHTML
                                                                         rLine.setMap(null);
xmlhttp.responseText;
                                                                         rLine = null;
                                                                         m1 = null;
                                                                         m2 = null;
                                                                         i1 = null;
                                                                         i2 = null;
   xmlhttp.open("POST","../busroutes/add",
                                                                      var xmlhttp;
true);
                                                                      var routeInfo;
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                      if (window.XMLHttpRequest) {
   xmlhttp.setRequestHeader("Content-type",
                                                                         xmlhttp=new XMLHttpRequest();
"application/x-www-form-urlencoded");
             xmlhttp.send(param);
                                                                      else {
                                                                         xmlhttp=new
          }
                                                        ActiveXObject("Microsoft.XMLHTTP");
          function viewTerminal() {
                          terminalID
                                                            xmlhttp.onreadystatechange=function() {
             var
document.getElementById("terminalIDs").value;
                                                                             (xmlhttp.readyState==4
                                                                         if
                                                                                                       &&
             if(marker != null) {
                                                        xmlhttp.status==200) {
                marker.setMap(null);
                                                                             routeInfo
                marker.setAnimation(null);
                                                        JSON.parse(xmlhttp.responseText);
                marker = null;
                                                                                      routePoints
                                                         routeInfo['routePoints'];
             markers = [];
                                                                                                      new
             if(i1 != null && i2 != null && m1
                                                        google.maps.LatLngBounds();
!= null && m2!= null && rLine != null && bound
                                                                             for(var
                                                                                               0;
                                                                                                    i
!= null) {
                                                        routePoints.length; i++) {
                m1.setMap(null);
                                                                                markers.push(new
                m2.setMap(null);
                                                        google.maps.LatLng(routePoints[i]['lat'],routeP
                i1.setMap(null);
                                                        oints[i]['lng']));
                i2.setMap(null);
                rLine.setMap(null);
                                                            bound.extend(markers[markers.length-1]);
                rLine = null;
                                                                            }
                m1 = null;
                                                                                                      new
                m2 = null;
                                                        google.maps.Marker({
                i1 = null;
                                                                                position: markers[0],
                i2 = null;
                                                                                map: map
                                                                             });
                    terminalPosition
             var
                                                                            m2
                                                                                                      new
google.maps.LatLng(terminalPositions["ep"+termi
                                                        google.maps.Marker({
nalID]["lat"],terminalPositions["ep"+terminalID
                                                                                position:
]["lng"]);
                                                         markers[markers.length-1],
             marker = new google.maps.Marker({
                                                                                map: map
                position: terminalPosition,
                                                                             });
                map: map
                                                                             i1
                                                                                                      new
                                                        google.maps.InfoWindow({
             });
                                                                                           'From:
                                                                                content:
   marker.setAnimation(google.maps.Animation.B
                                                         routeInfo['mainInfo']['rFrom']
OUNCE);
                                                                             });
             map.panTo(terminalPosition);
                                                                             i2
                                                                                                      new
                                                         google.maps.InfoWindow({
                                                                                            'To:
                                                                                content:
          function viewRoute() {
                                                         routeInfo['mainInfo']['rTo']
             markers = [];
                                                                            });
```

```
i1.open(map, m1);
                                                      class' =>
                                                                    'form-horizontal',
                                                                                         'role'
                   i2.open(map, m2);
                                                       'form'));?>
                                                                <h1 class = "text-center"><span class
                   rLine
                                           new
                                                           glypicon"
                                                                       glyphicon-plus"></span>
google.maps.Polyline({
                                                      Personnel</h1>
                      path: markers.
                      geodesic: true,
                                                                   <?php if(isset($error)) : ?>
                      strokeColor: '#FF0000',
                                                                      <div id = "n" class = "alert
                      strokeOpacity: 0.80,
                                                      alert-danger">
                      strokeWeight: 2,
                                                                          <?php echo $error;?>
                                                                      </div>
                      map: map
                                                                   <?php endif;?>
                   });
                   map.fitBounds(bound);
                                                                <br/>
                                                                   <div class = "form-group form-</pre>
                }
            }
                                                      inline">
                                                                      <label for = "Name" class =</pre>
                                                      "control-label
                                                                       col-sm-3"><span
                                                                                         class
            var
                             id
document.getElementById("routeIDs").value;
                                                       "glyphicon glyphicon-user"></span> Name</label>
            var parameters = "rID="+id;
                                                                      <div class = "col-sm-7">
            xmlhttp.open("POST", "viewMap",
                                                                          <input type = "text" id =</pre>
                                                      "lName" name = "lName" class = "form-control"
true);
                                                      placeholder = "Last Name" required autofocus>
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                           
                                                                         <input type = "text" id =</pre>
                                                      "fName" name = "fName" class = "form-control"
   xmlhttp.setRequestHeader("Content-type",
                                                      placeholder = "First Name" required autofocus>
"application/x-www-form-urlencoded");
            xmlhttp.send(parameters);
                                                           
                                                                         <input type = "text" id =</pre>
                                                      "mName" name = "mName" class = "form-control"
                                                      placeholder = "Middle Name" required autofocus>
      </script>
                                                                      </div>
   </body>
</html>
                                                                   </div>
addPersonnel.php
                                                                   <div class = "form-group form-</pre>
                                                      inline">
defined('BASEPATH') OR exit('No direct script
                                                                      <label for = "ssn" class =</pre>
access allowed');
                                                      "control-label
                                                                        col-sm-3"><span
                                                                                          class
                                                      "glyphicon glyphicon-th"></span> SSN</label>
۲۶
<!DOCTYPE html>
                                                                      <div class = "col-sm-2">
                                                      <html lang="en">
   <head>
                                                      required autofocus>
                              rel="stylesheet"
                                                                      </div>
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                      <label for = "bDay" class =</pre>
                                                                        col-sm-2"><span
3.3.5/css/bootstrap.min.css">
                                                      "control-label
                                                                                          class
                                                       glyphicon
                                                                              glyphicon-gift"></span>
                                                      Birthday</label>
      <script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                      <div class = "col-sm-2">
ry/1.11.3/jquery.min.js"></script>
                                                                         <input type = "date" id =</pre>
                                                      "bDay" name = "bDay" class = "form-control"
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                      required autofocus>
.3.5/js/bootstrap.min.js"></script>
                                                                      </div>
                                                                   </div>
      <meta charset = "utf-8">
                                                                   <div class = "form-group">
      <meta name = "viewport" content = "width</pre>
                                                                      <label for = "address" class =</pre>
                                                                        col-sm-3"><span
= device-width, initial-scale = 1">
                                                      "control-label
                                                                                         class
                                                      "glyphicon
                                                                              glyphicon-home"></span>
      <title>Add Personnel</title>
                                                      Address</label>
                                                                      <div class = "col-sm-7">
                                                                         <input type = "text" id =</pre>
      <style>
                                                      "address" name = "address" class = "form-
         body {
                                                      control" required autofocus>
            background-color: #D7D7D7;
                                                                      </div>
                                                                   </div>
      </style>
   </head>
                                                                   <div class = "form-group">
                                                                      <label for = "userfile" class</pre>
   <body>
                                                          "control-label col-sm-3"><span class
      <div class = "container">
         <?php echo validation_errors();?>
                                                      "glyphicon glyphicon-camera"></span> Profile
         <?php
                                                      Photo</label>
form_open_multipart('buspersonnels/add',array('
                                                                      <div class = "col-sm-7">
```

```
<input type = "file" id =</pre>
                                                                </form>
"userfile" name = "userfile" class = "form-
                                                             </div>
control" required autofocus>
                                                          </body>
                </div>
             </div>
                                                          <script>
             <div class = "form-group">
<label for = "bCompany"
class = "control-label col-sm-3"><span class =</pre>
                                                             function displayDiv() {
"glyphicon glyphicon-briefcase"></span> Bus
                                                          if(document.getElementById('pType').value
Company</label>
                                                      == 'Driver')
                   <div class = "col-sm-7">
                      <select id = "bCompany"</pre>
                                                          document.getElementById('driverDiv').style.
                     class = "form-control"
                                                      display = 'block';
         "bCompany"
name =
required>
                                                                else
                          <option
                                      disabled
selected>Bus Company</option>
                                                          document.getElementById('driverDiv').style.
                                                      display = 'none';
foreach($busCompanies as $b): ?>
                                                            }
                             <option value =</pre>
                                                          </script>
"<?php echo $b -> busCompanyID;?>"><?php echo</pre>
                                                      </html>
$b -> busCompanyName;?></option>
                                                      addTerminal.php
                          <?php endforeach;?>
                                                      <?php
                                                      defined('BASEPATH') OR exit('No direct script
                       </select>
                   </div>
                                                      access allowed');
             </div>
                                                      ?>
             <!DOCTYPE html>
                   <label for = "pType" class</pre>
                                                      <html lang="en">
       "control-label
                           col-sm-3">Personnel
                                                          <head>
Type</label>
                   <div class = "col-sm-7">
                                                                                     rel="stylesheet"
                                                             k
                      <select onChange
                                                      href="http://maxcdn.bootstrapcdn.com/bootstrap/
"displayDiv();" id = "pType" name = "pType"
                                                      3.3.5/css/bootstrap.min.css">
class = "form-control" required autofocus>
                          <option
                                    value
                                                             <script
                                                      src="https://ajax.googleapis.com/ajax/libs/jque
"Conductor">Conductor</option>
                                                      ry/1.11.3/jquery.min.js"></script>
                          <ontion
                                    value
"Driver">Driver</option>
                                                             <script
                      </select>
                                                      src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                   </div>
                                                       .3.5/js/bootstrap.min.js"></script>
             </div>
             <div id = "driverDiv" class =
                                                             <meta charset = "utf-8">
<meta name = "viewport" content = "width</pre>
                                                      = device-width, initial-scale = 1">
                   <div class = "col-sm-2">
                                                             <title>Add Terminal</title>
                      <input type = "text" id</pre>
= "lNo" name = "lNo" class = "form-control"
                                                             <style>
placeholder = "X00-00-00000" pattern = "[A-
                                                                body {
Z]\d{2}-\d{2}-\d{6}">
                                                                   background-color: #D7D7D7;
                   </div>
                   <label for = "eDate" class</pre>
                                                             </style>
       "control-label
                          col-sm-2">Expiration
Date</label>
                                                             <script
                   <div class = "col-sm-2">
                                                      src="http://maps.googleapis.com/maps/api/js">
                      <input type = "date" id</pre>
                                                      script>
= "eDate"
                    "eDate" class = "form-
                                                             <script>
            name =
control">
                                                                var btLat;
                   </div>
                                                                var btLong;
             </div>
             var marker;
                <div class = "col-sm-offset-3</pre>
                                                                var map;
                                                                function initialize() {
col-sm-8">
                                                                   var mapProp = {
                   <button type = "submit"
class
                    "btn
                              btn-primary">Add
                                                                      center:new
Personnel</button>
                                                      google.maps.LatLng(14.5980716,120.9796513),
                </div>
                                                                      zoom:14,
             </div>
             <span class = "glyphicon" style =</pre>
                                                          mapTypeId:google.maps.MapTypeId.ROADMAP
"content: \e247;"></span>
                                                                   };
```

```
<option
                                                                                          value
                                                       "<?php echo $b -> busCompanyID;?>"><?php echo</pre>
google.maps.Map(document.getElementById("google
                                                      $b -> busCompanyName;?></option>
Map"),mapProp);
                                                                             <?php endforeach;?>
                                                                          </select>
                                                                       </div>
   google.maps.event.addListener(map, 'click',
                                                                   </div>
function(event) {
                                                                    <div class = "form-group">
                btLat = event.latLng.lat();
                                                                       <label for = "btLocation"</pre>
                btLong = event.latLng.lng();
                                                       class = "control-label col-sm-4">Bus Terminal
                placeMarker(event.latLng);
                                                      Location</label>
                                                                       <div id = "googleMap" class =
            });
                                                       "col-sm-5" style = "left:16px; height: 250px;
         }
                                                      width: 400px;">
                                                                       </div>
   google.maps.event.addDomListener(window,
                                                                   </div>
                                                                    <div class = "form-group">
'load', initialize);
                                                                       <div class = "col-sm-offset-4</pre>
      </script>
   </head>
                                                      col-sm-5">
   <body>
                                                                          <button type = "submit"</pre>
                                                       class = "btn btn-primary">Add Terminal</button>
      <div class = "container">
                                                                       </div>
         <?php echo validation errors();?>
                                                                    </div>
<span class = "glyphicon" style =</pre>
                                                       "content: \e247;"></span>
false;'>
                                                                </form>
         <h1 class = "text-center"><span class
                                                             </div>
    "glypicon
                glyphicon-plus"></span>
Terminal</h1>
                                                             <script>
         <div id = "n"></div>
                                                                function display() {
         <br/>
             <div class = "form-group">
                                                          if(document.getElementById("btType").value
                <label for = "btName" class =</pre>
                                                      == "Private")
"control-label
                   col-sm-4">Bus
                                      Terminal
Name</label>
                                                          document.getElementById("bCompanyPanel").st
                                                      yle.display = "block";
                <div class = "col-sm-5">
                   <input type = "text" size =</pre>
                                                                   else
"20" id = "btName" name = "btName" class =
                                                          document.getElementById("bCompanyPanel").st
"form-control" required autofocus>
                                                      yle.display = "none";
                </div>
             </div>
             <label for = "btType" class =</pre>
                                                                function placeMarker(loc) {
                   col-sm-4">Bus
"control-label
                                                                   if(marker != null) {
                                      Terminal
Type</label>
                                                                       marker.setPosition(loc);
                <div class = "col-sm-5">
                   <select onChange</pre>
                                                                   else {
"display();" id = "btType" name = "btType"
                                                                       marker
                                                                                                  new
class = "form-control" required autofocus>
                                                      google.maps.Marker({
                      <option
                                                                          position: loc,
"Shared">Public</option>
                                                                          map: map
                      <option
                                   value
                                                                       });
"Private">Private</option>
                                                                   }
                   </select>
                                                                }
                </div>
             </div>
                                                                function addTerminal() {
             <div id = "bCompanyPanel" class =
                                                                   var
                                                                                  btName
"form-group" style = "display: none;">
                                                      document.getElementById("btName").value;
                <label for = "bCompany" class</pre>
                                                                   var
                                                                                  btType
= "control-label col-sm-4">Bus Company</label>
                                                      document.getElementById("btType").value;
                <div class = "col-sm-5">
                                                                   var
                                                                                 bCompany
                   <select id = "bCompany"</pre>
                                                      document.getElementById("bCompany").value;
name = "bCompany"
                     class = "form-control"
required autofocus>
                                                                   var val = true;
                                      disabled
                                                                   var valstring = "";
                      <ontion
selected>Bus Company</option>
                                                                   if(btLat == null || btLong ==
                      <?php
foreach($busCompanies as $b): ?>
                                                      null) {
                                                                       val = false;
```

```
valstring +=
                                 "Please input
                                                            xmlhttp.setRequestHeader("Content-type",
location";
                                                         "application/x-www-form-urlencoded");
             if(btType
                                                                      xmlhttp.send(parameters);
                                 "Private"
                                              &&
bCompany == "Bus Company") {
                val = false;
                                                               </script>
                valstring
                                    "<br/>Please
specify bus company";
                                                            </body>
                                                         </html>
             }
                                                         addUser.php
             if(val) {
                                                         <?php
                addT(btName,
                                         btType,
                                                         defined('BASEPATH') OR exit('No direct script
                                                         access allowed');
bCompany);
             }
                                                         ?>
                                                         <!DOCTYPE html>
             else {
                                                         <html lang="en">
   document.getElementById("n").className
                                                            <head>
"alert alert-danger";
                                                               link
                                                                                         rel="stylesheet"
   document.getElementById("n").innerHTML
                                                         href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                         3.3.5/css/bootstrap.min.css">
valstring;
          }
                                                               <script
                                                         src="https://ajax.googleapis.com/ajax/libs/jque
          function
                       addT(btName,
                                                         ry/1.11.3/jquery.min.js"></script>
                                         btType,
bCompany) {
                                                                <script
             var xmlhttp;
                                                         src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                         .3.5/js/bootstrap.min.js"></script>
             var resp;
             if (window.XMLHttpRequest) {
                                                                <meta charset = "utf-8">
                                                               <meta name = "viewport" content = "width</pre>
                xmlhttp=new XMLHttpRequest();
             }
                                                         = device-width, initial-scale = 1">
             else {
                xmlhttp=new
                                                               <title>Add User</title>
ActiveXObject("Microsoft.XMLHTTP");
                                                               <style>
                                                                   body {
   xmlhttp.onreadystatechange=function() {
                                                                      background-color: #D7D7D7;
                if (xmlhttp.readyState==4
xmlhttp.status==200) {
                                                               </style>
                    resp
                                                            </head>
xmlhttp.responseText;
                                                            <body>
                                 "Bus Terminal
                    if(resp ==
Added") {
                                                               <div class = "container col-sm-6">
                                                                   <?php echo validation_errors();?>
   document.getElementById("n").className
                                                                   <form class = 'form-horizontal' role</pre>
                                                         = 'form' onSubmit = 'addUser(); return false;'>
"alert alert-success";
                                                                   <h1 class = "text-center"><span class
                                                             glypicon
                                                                          glyphicon-plus"></span>
                    else {
                                                         User</h1>
                                                                   <div id = "n"></div>
   document.getElementById("n").className
"alert alert-danger";
                                                                   <br/>
                                                                      <div class = "form-group">
                                                                          <label for = "uName" class =
                                                                           col-sm-4"><span
   document.getElementById("n").innerHTML
                                                         "control-label
                                                                                              class
                                                         "glyphicon
                                                                                 glyphicon-user"></span>
resp;
                                                         Username</label>
                }
             }
                                                                          <div class = "col-sm-8">
                                                                             <input type = "text" size =</pre>
                                                         "20" id = "uName" name = "uName" class = "form-
             var
                          parameters
"btName="+btName+"&btType="+btType+"&bCompany="
                                                         control" required autofocus>
+bCompany+"&btLat="+btLat+"&btLong="+btLong;
                                                                          </div>
                                                                      </div>
                                                                      <div class = "form-group">
             xmlhttp.open("POST","./add",
                                                                         <label for = "uType" class =</pre>
true);
                                                         "control-label col-sm-4">User Type</label>
                                                                         <div class = "col-sm-8">
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
```

```
<select
                               onChange
                                                                                     rel="stylesheet"
"displayDiv();" id = "uType" name = "uType"
                                                       href="http://maxcdn.bootstrapcdn.com/bootstrap/
class = "form-control" required autofocus>
                                                       3.3.5/css/bootstrap.min.css">
                       <option
                                   value
"sAdmin">System Administrator</option>
                                                             <script
                                                       src="https://ajax.googleapis.com/ajax/libs/jque
                      <option
                                   value
"btAdmin">Bus Terminal Administrator</option>
                                                       ry/1.11.3/jquery.min.js"></script>
                   </select>
                                                             <script
                                                       src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                </div>
             </div>
                                                       .3.5/js/bootstrap.min.js"></script>
             <div id = "bcDiv" class = "form-</pre>
group" style = "display: none;">
                                                             <meta charset = "utf-8">
                <label for = "bCompany" class</pre>
                                                             <meta name = "viewport" content = "width</pre>
  "control-label col-sm-4"><span class =</pre>
                                                       = device-width, initial-scale = 1">
"glyphicon glyphicon-briefcase"></span> Bus
Company</label>
                                                             <title><?php echo ($add ? "Add" :
                <div class = "col-sm-8">
                                                       "Edit");?> Bus</title>
                               onChange
                   <select
"getBusTerminals()" id = "bCompany" name =
                                                             <style>
"bCompany" class = "form-control" required>
                                                                body {
                      <option
                                                                    background-color: #D7D7D7;
selected>Bus Company</option>
                                                                 input, select {
                      <?php
foreach($busCompanies as $b): ?>
                                                                    width: 300px;
                          <option
                                    value
"<?php echo $b -> busCompanyID;?>"><?php echo</pre>
                                                             </style>
$b -> busCompanyName;?></option>
                                                          </head>
                      <?php endforeach;?>
                                                          <body>
                   </select>
                </div>
                                                             <div class = "container col-sm-6">
             </div>
                                                                 <?php echo validation_errors();?>
             <div id = "btDiv" class = "form-
                                                                 <form class = 'form-horizontal' role</pre>
= 'form' onSubmit = '<?php echo ($add) ? "add"</pre>
                                                       : "edit";?>Bus(); return false;'>
= "control-label col-sm-4"><span class =</pre>
                                                                    <?php if($add):?>
"glyphicon glyphicon-exclamation-sign"></span>
                                                                      <h1 class
                                                                                                "text-
                                                       center"><span class = "glyphicon glyphicon-
Bus Terminal</label>
plus"></span> Add Bus</h1>
                                                                    <?php else:?>
                                                                                                "text-
                                                                       ∠h1
                                                                              class
                      <option
                                      disabled
                                                       center"><span class = "glyphicon glyphicon-
selected>Bus Terminal</option>
                                                       edit"></span> Edit Bus</h1>
                   </select>
                                                                    <?php endif;?>
                </div>
                                                                    <br/>
             </div>
                                                                    <br/>
             <div class = "form-group">
                                                                    <div id = "n"></div>
                <div class = "col-sm-offset-4</pre>
                                                                    <div class = "form-group">
col-sm-8">
                                                                       <label for = "bpNo" class =</pre>
                   <button type = "submit"</pre>
                                                       "control-label col-sm-4"> Plate Number</label>
class = "btn btn-primary">Add User</button>
                                                                       <div class = "col-sm-7">
                                                                          <input onKeyUp = "check()"</pre>
                </div>
                                                       type = "text" size = "10" id = "bpNo" name =
"bpNo" class = "form-control" required
             </div>
             <span class = "glyphicon" style =</pre>
"content: \e247;"></span>
                                                       autofocus>
          </form>
                                                                          </div>
                                                                       </div>
   </body>
                                                                    </div>
</html>
                                                                    <div class = "form-group">
busForm.php
                                                                       <label for = "bPNo" class =</pre>
                                                       "control-label col-sm-4"> Bus Company</label>
defined('BASEPATH') OR exit('No direct script
                                                                       <div class = "col-sm-7">
                                                                          <select class = "form-</pre>
access allowed');
                                                       control" id = "busCompanyID">
?>
<!DOCTYPE html>
                                                                              <?php foreach($companies</pre>
<html lang="en">
                                                       as $c):?>
   <head>
                                                                                 <option
                                                                                           value
                                                       "<?php echo $c -> busCompanyID;?>"><?php echo</pre>
                                                       $c -> busCompanyName;?></option>
                                                                              <?php endforeach;?>
```

```
<h4 class = "form-signin-
                    </select>
                </div>
                                                         heading">Change Password</h2>
             </div>
                                                                          </div>
             <div class = "form-group">
                                                                          <div class = "panel-body">
                                                                             <div class = "form-group">
                <div class = "col-sm-offset-4</pre>
col-sm-8">
                                                                                 <label for = "pWord"</pre>
                    <button type = "submit"</pre>
                                                         class = "glyphicon glyphicon-lock control-label
class = "btn btn-primary"><?php echo ($add ?</pre>
                                                         col-sm-2"></label>
"Add" : "Edit");?> Bus</button>
                                                                                 <div class = "col-sm-
                </div>
                                                         10">
             </div>
                                                                                    <input
                                                                                              type
                                                         "password" size = "20" id = "pWord" name = "pWord" class = "form-control" placeholder =
          </form>
      </div>
   </body>
                                                         "Password" required>
</html>
                                                                                 </div>
changePass.php
                                                                             </div>
                                                                             <div class = "form-group">
defined('BASEPATH') OR exit('No direct script
                                                                                 <div class = "col-sm-
access allowed');
                                                         offset-2 col-sm-10">
?>
                                                                                    <button
                                                                                                type
                                                         "submit" class = "btn btn-primary btn-
<!DOCTYPE html>
<html lang="en">
                                                         block">Change Password</button>
   <head>
                                                                                 </div>
                                                                             </div>
                                rel="stylesheet"
                                                                          </div>
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                       </div>
3.3.5/css/bootstrap.min.css">
                                                                   </form>
                                                                </div>
      <script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                <script>
ry/1.11.3/jquery.min.js"></script>
                                                                   $(document).ready(function(){
      <script
                                                                      $('[data-
                                                         toggle="popover"]').popover();
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
.3.5/js/bootstrap.min.js"></script>
                                                                   });
                                                                </script>
      <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                            </body>
= device-width, initial-scale = 1">
                                                         </html>
                                                         complaintForm.php
      <style>
                                                         <?php
          .panel {
                                                         defined('BASEPATH') OR exit('No direct script
             border-color: #B6B6B6;
                                                         access allowed');
             position: absolute;
                                                         ?>
                                                         <!DOCTYPE html>
             top: 0;
             bottom: 0;
                                                         <html lang="en">
             left: 0;
                                                            <head>
             right: 0;
             width: 300px;
                                                                                         rel="stylesheet"
                                                                k
             height: 225px;
                                                         href="http://maxcdn.bootstrapcdn.com/bootstrap/
             margin: auto;
                                                         3.3.5/css/bootstrap.min.css">
          }
                                                                <script
                                                         src="https://ajax.googleapis.com/ajax/libs/jque
          body {
             background-color: #D7D7D7;
                                                         ry/1.11.3/jquery.min.js"></script>
                                                                <script
      </style>
                                                         src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                         .3.5/js/bootstrap.min.js"></script>
      <title>Change Password</title>
   </head>
                                                                <meta charset = "utf-8">
                                                                <meta name = "viewport" content = "width</pre>
   <body>
                                                         = device-width, initial-scale = 1">
      <div class = "container">
          <?php echo validation errors();?>
                                                                <title>Send Complaint</title>
          <?php echo form_open('users/cpass',</pre>
array('class' => 'form-horizontal', 'role' =>
                                                                <style>
'form'))?>
                                                                   body {
             <div class =
                                 "panel panel-
                                                                      background-color: #D7D7D7;
default">
                <div class = "panel-heading">
                                                                   input, select {
```

```
width: 300px;
                                                              <script>
      </style>
                                                                  function sendComplaint() {
   </head>
                                                                     var xhttp;
   <body>
                                                                     if (window.XMLHttpRequest) {
                                                                        xhttp=new XMLHttpRequest();
      <div class = "container">
          <br/>
                                                                     else {
                                                                        xhttp=new
          <br/>
          <br/>
                                                        ActiveXObject("Microsoft.XMLHTTP");
          <br/>
          <h2 class = "text-center">Send a
                                                                     xhttp.onreadystatechange
Complaint</h2>
                                                        function() {
          <?php echo validation errors();?>
                                                                        if (xhttp.readyState == 4 &&
          <br/>
                                                        xhttp.status == 200) {
          Send a
                                                                           var
                                                                                         resp
complaint about any bus or bus company...
                                                        xhttp.responseText;
         <form class = 'form-horizontal'</pre>
                                                                           if(resp == "Report Sent")
onSubmit = 'sendComplaint();return false;' role
= 'form'>
                                                           document.getElementById("n").className
             <div id = "n"></div>
                                                        "alert alert-success";
             <div class = "form-group">
                                                                           else
                <label for = "cSender" class =</pre>
"control-label
                      col-sm-4">
                                                           document.getElementById("n").className
                                         Sender
(optional)</label>
                                                        "alert alert-danger";
                <div class = "col-sm-5">
                                                           document.getElementById("n").innerHTML
                   <input type = "text" size =</pre>
"50" id = "cSender" name = "cSender" class =
"form-control">
                </div>
                                                           //document.getElementById("n").innerHTML
             </div>
                                                        xhttp.responseText;
             <div class = "form-group">
                                                                        }
                <label for = "cIssue" class =</pre>
                                                                     };
"control-label
                     col-sm-4">
                                     Complaint
Issue</label>
                                                                     var
                                                                                cSender
                                                        document.getElementById("cSender").value;
                <div class = "col-sm-5">
                                        "form-
                   <select class =
                                                                     var
                                                                              cIssue
control" id = "cIssue" name = "cIssue">
                                                        document.getElementById("cIssue").value;
                       <option
                                   value
                                                                     var
                                                                                   cDetails
"Discount Fairness">Discount Fairness</option>
                                                        document.getElementById("cDetails").value;
                       <option value = "Cutting</pre>
                                                                     var
                                                                                  parameters
Trips">Cutting Trips</option>
                                                        "cSender="+cSender+"&cIssue="+cIssue+"&cDetails
                                                        ="+cDetails;
                       <option value = "Route</pre>
                                                                     xhttp.open("POST",
Change">Route Change</option>
                                                         ../reports/addComplaint", true);
                       <option value =</pre>
                                         "Other
                                                                     xhttp.setRequestHeader("Content-
Crime
              Involvement">Other
                                          Crime
                                                        type", "application/x-www-form-urlencoded");
Involvement</option>
                    </select>
                                                                     xhttp.send(parameters);
                </div>
             </div>
                                                              </script>
             <div class = "form-group">
                                                           </body>
                <label for = "cDetails" class</pre>
                                                        </html>
= "control-label col-sm-4"> Details</label>
                                                        dispatchBus.php
                <div class = "col-sm-5">
                                                        defined('BASEPATH') OR exit('No direct script
                   <textarea
                                   class="form-
control" rows="5" id = "cDetails" name =
                                                        access allowed');
"cDetails" required autofocus></textarea>
                </div>
                                                        <!DOCTYPE html>
             </div>
                                                        <html lang="en">
             <div class = "form-group">
                                                           <head>
                <div class = "col-sm-offset-5</pre>
col-sm-7">
                                                                                       rel="stylesheet"
                    <button type = "submit"
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
class
                              btn-primary">Send
                                                        3.3.5/css/bootstrap.min.css">
Complaint</button>
                </div>
                                                              <script
             </div>
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
          </form>
                                                        ry/1.11.3/jquery.min.js"></script>
      </div>
```

```
<script
                                                                                  <option
                                                                                            value
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                       "<?php echo $b -> busPlateNo;?>"><?php echo $b</pre>
.3.5/js/bootstrap.min.js"></script>
                                                        -> busPlateNo;?></option>
      <script
                                                                               <?php endforeach;?>
src="http://maps.googleapis.com/maps/api/js">
                                                                           </select>
script>
                                                                        </div>
                                                                     </div>
      <script>
                                                                     <div class = "form-group">
         var map;
                                                                        <label
                                                                                  for
          var terminalPositions = {};
                                                        "terminalRouteIDs" class = "control-label col-
          var marker;
                                                        sm-2">Route:</label>
                                                                        <div class = "col-sm-7">
     <select class = "form-</pre>
          var infowindow;
                    myCenter
         var
google.maps.LatLng(14.5980716,120.9796513);
                                                       control" id = "terminalRouteIDs">
         function initialize() {
                                                                               <?php foreach($busRoutes</pre>
             var mapProp = {
                                                       as $b):?>
                center: myCenter,
                                                                                  <option
                                                        "<?php echo $b -> terminalRouteID?>"><?php echo</pre>
                zoom: 15,
                mapTypeId:
                                                       $b -> routeFrom;?>→<?php echo $b ->
google.maps.MapTypeId.ROADMAP
                                                       routeTo;?></option>
                                                                              <?php endforeach;?>
            };
                                                                           </select>
             map
                                                                        </div>
google.maps.Map(document.getElementById("map"),
                                                                        <a href = "#" class = "btn
mapProp);
                                                       btn-primary" onClick = "getRouteID();"><span</pre>
                                                                           glyphicon"
                                                                                             glyphicon-
                                                       class
                                                       screenshot"></span> View Route</a>
   google.maps.event.addDomListener(window,
                                                                     </div>
'load', initialize);
                                                                     <div class = "form-group">
      </script>
                                                                        <label for = "driverID" class</pre>
                                                       = "control-label col-sm-2">Driver:</label>
      <meta charset = "utf-8">
                                                                        <div class = "col-sm-7">
                                                                           <select class = "form-</pre>
      <meta name = "viewport" content = "width</pre>
= device-width, initial-scale = 1">
                                                       control" id = "driverID">
                                                                               <?php
                                                       foreach($busDrivers as $b):?>
      <style>
                                                                                  <option
                                                                                             value
          body {
                                                        "<?php echo $b -> busPersonnelID?>"><?php echo</pre>
             background-color: #D7D7D7;
                                                       strtoupper($b -> busPersonnelLName) . "," . $b
                                                        -> busPersonnelFName . "
                                                       busPersonnelMName?></option>
          #list {
             height: 85%;
                                                                              <?php endforeach;?>
             overflow: auto;
                                                                           </select>
                                                                        </div>
                                                       </style>
                                                       class = "glyphicon glyphicon-user"></span> View
      <title>Dispatch Bus</title>
   </head>
                                                        Info</a>
   <body>
                                                                     <div class = "form-group">
      <div class = "container col-sm-6" id =</pre>
                                                                        <label for = "conductorID"</pre>
"routeForm">
                                                        class
                                                                           "control-label
                                                                                                col-sm-
         <h1 class = "text-center"><span class
                                                       2">Conductor:</label>
= "glyphicon glyphicon-bed"></span> Dispatch
                                                                        <div class = "col-sm-7">
                                                                           <select class = "form-</pre>
Bus</h1>
          <form class = 'form-horizontal' role</pre>
                                                        control" id = "conductorID">
= 'form' onSubmit = "dispatch();return false;">
                                                                               <?php
             <div id = "n"></div>
                                                       foreach($busConductors as $b):?>
             <br/>
                                                                                  <option
                                                                                             value
             <div class = "form-group">
                                                        "<?php echo $b -> busPersonnelID?>"><?php echo</pre>
                                                       "<?php echo $D -> busPersonnelLName) . "," . $b
                <label for = "busPlateNos"</pre>
class = "control-label col-sm-2">Bus:</label>
                <div class = "col-sm-7">
                                                       busPersonnelMName?></option>
                   <select class = "form-</pre>
                                                                              <?php endforeach;?>
control" id = "busPlateNos">
                                                                           </select>
                       <?php foreach($buses as</pre>
                                                                        </div>
                                                                        <a href = "#" class = "btn
$b):?>
                                                       btn-primary" onClick = "viewInfoC();"><span</pre>
```

```
class = "glyphicon glyphicon-user"></span> View
                                                                                       <dd
                                                                                                id
Info</a>
                                                         "pLNo"></dd>
             </div>
                                                                                       <dt
                                                                                                id
             <div class = "form-group">
                                                         "pELabel">ExpirationDate:</dt>
                <label for = "busPlateNos"</pre>
                                                                                                id
class = "control-label col-sm-2">Number of
                                                         "pED"></dd>
Available Seats:</label>
                                                                                    </dl>
                 <div class = "col-sm-7">
                                                                                </div>
                    <input type = "number"</pre>
                                                                             </div>
class = "form-control" name = "numASeats" id =
                                                                             <div class="modal-footer">
"numASeats"/>
                                                                                            type="button"
                                                                                <button
                 </div>
                                                         class="btn
                                                                             btn-default"
                                                                                                    data-
             </div>
                                                         dismiss="modal">Close</button>
             <input type = "submit" class =</pre>
                                                                             </div>
"col-sm-offset-4 btn btn-primary" value
                                                                          </div>
"Dispatch Bus"/>
                                                                      </div>
          </form>
                                                                   </div>
          <div class = "modal fade"</pre>
                                                               </div>
"personnelInfo" role = "dialog">
             <div class = "modal-dialog modal-</pre>
                                                               <div class = "container col-sm-6" style</pre>
                                                         = "border:2px solid black;width: 45%; height:
lg">
                 <div class = "modal-content">
                                                         500px; position: relative;">
                                                                   <div id = "map" style = "width: 90%;</pre>
                    <div class
                                         "modal-
header">
                                                         height: 450px; position: relative; top: 25px;
                       <button
                                   type="button"
                                                         left: 30px;">
class="close"
                        data-dismiss
                                                                   </div>
"modal">×</button>
                                                                </div>
                                   class="modal-
                       ∠h4
title">Personnel Information</h4>
                                                               <script>
                    </div>
                                                                   var markers = [];
                    <div
                                class="container
                                                                   var m1, m2, rLine, bound, i1, i2;
modal-body">
                       <div class = "col-sm-2">
                                                                   function getRouteID() {
                           <img src="" style =</pre>
                                                                                 terminalRouteID
                                                                      var
"width:192px;height:192px;border:3px
                                                         document.getElementById("terminalRouteIDs").val
                                           solid
black; " id = "profile"/>
                                                                      var xmlhttp;
                       </div>
                       <div class = "col-sm-9">
                                                                      var routeInfo;
                           <dl class = "dl-
horizontal">
                                                                      if (window.XMLHttpRequest) {
                              <dt>Personnel
                                                                         xmlhttp=new XMLHttpRequest();
ID:</dt>
                              < dd
                                       id
                                                                      else {
"pID"></dd>
                                                                         xmlhttp=new
                              <dt>Name:</dt>
                                                         ActiveXObject("Microsoft.XMLHTTP");
                              <dd
                                       id
                                                                      }
"pName"></dd>
                              <dt>SSN:</dt>
                                                            xmlhttp.onreadystatechange=function() {
                                                                             (xmlhttp.readyState==4
                              <dd
"pSSN"></dd>
                                                         xmlhttp.status==200) {
                              <dt>Address:</dt>
                              <dd
                                       id
                                                         xmlhttp.responseText;
"pAdd"></dd>
                                                                             viewRoute(rID);
   <dt>Birthday:</dt>
                                                                      }
                              <dd
                                       id
"pBday"></dd>
                                                                      var
                                                                                   parameters
                              <dt>Bus
                                                         "trID="+terminalRouteID;
Company:</dt>
                                                                      xmlhttp.open("POST", "getRouteID",
                              <dd
                                       id
                                                         true);
"pBC"></dd>
                              <dt>Personnel
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
Type:</dt>
                                                            xmlhttp.setRequestHeader("Content-type",
                              <dd
                                       id
"pType"></dd>
                                                         "application/x-www-form-urlencoded");
                              <dt
                                       id
                                                                      xmlhttp.send(parameters);
"pLLabel">License No.:</dt>
```

```
function dispatch() {
                                                                     if (window.XMLHttpRequest) {
             var
                              pNo
                                                                         xmlhttp=new XMLHttpRequest();
document.getElementById("busPlateNos").value;
                                                                     else {
             var
                              rID
document.getElementById("terminalRouteIDs").val
                                                                        xmlhttp=new
                                                        ActiveXObject("Microsoft.XMLHTTP");
                              dID
             var
document.getElementById("driverID").value;
                                                           xmlhttp.onreadystatechange=function() {
                              cID
                                                                            (xmlhttp.readyState==4
document.getElementById("conductorID").value;
                                                                         if
                                                                                                      &&
                                                        xmlhttp.status==200) {
             var
                              num
document.getElementById("numASeats").value;
                                                                            var
                                                                                        pInfo
                                                        JSON.parse(xmlhttp.responseText);
             var xmlhttp;
                                                           document.getElementById("profile").src
             if (window.XMLHttpRequest) {
                                                        "../" + pInfo["busPersonnelProfilePath"];
                xmlhttp=new XMLHttpRequest();
                                                           document.getElementById("pID").innerHTML
             else {
                                                        pInfo["busPersonnelID"];
                xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                           document.getElementById("pName").innerHTML =
                                                        pInfo["busPersonnelLName"].toUpperCase() + ",
                                                            pInfo["busPersonnelFName"]
                                                        pInfo["busPersonnelMName"];
   xmlhttp.onreadystatechange=function() {
                if
                    (xmlhttp.readyState==4
                                             &&
xmlhttp.status==200) {
                                                            document.getElementById("pSSN").innerHTML =
                                                        pInfo["busPersonnelSSN"];
                    if(xmlhttp.responseText
"Trip Added") {
                                                           document.getElementById("pAdd").innerHTML =
   document.getElementById("n").className
                                                        pInfo["busPersonnelAddress"];
"alert alert-success";
                                                           document.getElementById("pBday").innerHTML
                                                           = pInfo["busPersonnelBDay"];
                    else {
   document.getElementById("n").className
                                                           document.getElementById("pBC").innerHTML =
"alert alert-danger";
                                                        pInfo["busCompanyName"];
                                                           document.getElementById("pType").innerHTML
   document.getElementById("n").innerHTML
                                                           = pInfo["busPersonnelType"];
xmlhttp.responseText;
                                                           if(pInfo["busPersonnelType"] == "Driver") {
                                                           document.getElementById("pLLabel").style.di
                                                        splay = "block";
                          parameters
             var
"pNo="+pNo+"&rID="+rID+"&dID="+dID+"&cID="+cID+
                                                           document.getElementById("pELabel").style.di
"&numSeats="+num;
                                                        splay = "block";
   xmlhttp.open("POST","dispatchBus", true);
                                                           document.getElementById("pLNo").innerHTML
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
                                                               = pInfo["licenseNo"];
   xmlhttp.setRequestHeader("Content-type",
                                                           document.getElementById("pED").innerHTML
"application/x-www-form-urlencoded");
                                                               = pInfo["expirationDate"];
             xmlhttp.send(parameters);
                                                                            }
                                                                            else {
          function viewInfoC() {
                                                           document.getElementById("pLLabel").style.di
                                                        splay = "none";
   viewInfo(document.getElementById("conductor
ID").value);
                                                           document.getElementById("pELabel").style.di
                                                        splay = "none";
          function viewInfoD() {
                                                           document.getElementById("pLNo").innerHTML
   viewInfo(document.getElementById("driverID"
).value);
                                                           document.getElementById("pED").innerHTML
          function viewInfo(pid){
                                                               = "";
             var xmlhttp;
```

```
position: markers[0],
   $('#personnelInfo').modal();
                                                                                 map: map
                                                                             });
             }
                                                                             m2
                                                                                                      new
                                                         google.maps.Marker({
             var parameters = "pID="+pid;
                                                                                 position:
                                                         markers[markers.length-1],
   xmlhttp.open("POST", "getPersonnelInfo",
                                                                                map: map
true):
                                                                             });
                                                                             i1
                                                                                                      new
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                         google.maps.InfoWindow({
                                                                                content:
                                                                                            'From:
   xmlhttp.setRequestHeader("Content-type",
                                                         routeInfo['mainInfo']['rFrom']
"application/x-www-form-urlencoded");
                                                                             });
             xmlhttp.send(parameters);
                                                                             i2
                                                                                                      new
                                                         google.maps.InfoWindow({
                                                                                 content:
                                                                                             'To:
                                                         routeInfo['mainInfo']['rTo']
          function viewRoute(rID) {
             markers = [];
                                                                             });
             if(marker != null) {
                                                                             i1.open(map, m1);
                                                                             i2.open(map, m2);
                marker.setMap(null);
                marker.setAnimation(null);
                                                                             rline
                                                                                                      new
                marker = null;
                                                         google.maps.Polyline({
                                                                                 path: markers,
             if(i1 != null && i2 != null && m1
                                                                                 geodesic: true,
                                                                                strokeColor: '#FF0000',
!= null && m2!= null && rLine != null && bound
!= null) {
                                                                                strokeOpacity: 0.80,
                m1.setMap(null);
                                                                                 strokeWeight: 2,
                m2.setMap(null);
                                                                                map: map
                i1.setMap(null);
                                                                             });
                i2.setMap(null);
                                                                             map.fitBounds(bound);
                rLine.setMap(null);
                                                                         }
                rLine = null;
                                                                      }
                m1 = null;
                m2 = null;
                                                                      var parameters = "rID="+rID;
                i1 = null;
                i2 = null;
                                                            xmlhttp.open("POST","../busroutes/viewMap",
             }
                                                         true);
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
             var xmlhttp;
             var routeInfo;
                                                            xmlhttp.setRequestHeader("Content-type",
             if (window.XMLHttpRequest) {
                                                         "application/x-www-form-urlencoded");
                xmlhttp=new XMLHttpRequest();
                                                                      xmlhttp.send(parameters);
             else {
                xmlhttp=new
                                                               </script>
ActiveXObject("Microsoft.XMLHTTP");
                                                            </body>
                                                         </html>
                                                         editPersonnel.php
   xmlhttp.onreadystatechange=function() {
                                                         <?php
                if
                    (xmlhttp.readyState==4
                                              &&
                                                         defined('BASEPATH') OR exit('No direct script
xmlhttp.status==200) {
                                                         access allowed');
                    routeInfo
                                                         ?>
                                                         <!DOCTYPE html>
JSON.parse(xmlhttp.responseText);
                             routePoints
                                                         <html lang="en">
                    var
routeInfo['routePoints'];
                                                            <head>
                    bound
                                             new
google.maps.LatLngBounds();
                                                               k
                                                                                         rel="stylesheet"
                                                         href="http://maxcdn.bootstrapcdn.com/bootstrap/
                              i
                    for(var
                                      0:
                                           i
                                              <
routePoints.length; i++) {
                                                         3.3.5/css/bootstrap.min.css">
                       markers.push(new
google.maps.LatLng(routePoints[i]['lat'],routeP
                                                               <script
                                                         src="https://ajax.googleapis.com/ajax/libs/jque
oints[i]['lng']));
                                                         ry/1.11.3/jquery.min.js"></script>
   bound.extend(markers[markers.length-1]);
                                                               <script
                                                         src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                    }
                    m1
                                                         .3.5/js/bootstrap.min.js"></script>
                                             new
google.maps.Marker({
```

```
<meta charset = "utf-8">
                                                                    <div class = "form-group">
      <meta name = "viewport" content = "width</pre>
                                                                       <label for = "bDay" class =</pre>
= device-width, initial-scale = 1">
                                                       "control-label
                                                                       col-sm-3"><span class =
                                                       "glyphicon
                                                                               glyphicon-gift"></span>
      <title>Edit Personnel</title>
                                                       Birthday</label>
                                                                       <div class = "col-sm-7">
                                                                         <input type = "date" id =</pre>
      <style>
                                                       "bDay" value = "<?php echo $bp -> busPersonnelBDay;?>" name = "bDay" class =
         body {
            background-color: #D7D7D7;
                                                       "form-control" required autofocus>
                                                                       </div>
      </style>
   </head>
                                                                    </div>
                                                                    <div class = "form-group">
   <body>
      <div class = "container col-sm-6">
                                                                       <label for = "address" class =</pre>
         <?php $bp = $busPersonnel[0];?>
                                                                         col-sm-3"><span class =
                                                       "control-label
                                                                               glyphicon-home"></span>
         <?php echo validation_errors();?>
                                                       "glvphicon
                                                       Address</label>
form_open_multipart('buspersonnels/edit',array(
                                                                       <div class = "col-sm-7">
'class' => 'form-horizontal',
                                                                          <input type = "text" id =</pre>
                                                       "address" name = "address" value = "<?php echo
'form'));?>
         <h1 class = "text-center"><span class
                                                       $bp -> busPersonnelAddress;?>" class = "form-
= "glyphicon glyphicon-edit"></span> Edit
                                                       control" required autofocus>
Personnel</h1>
                                                                      </div>
                                                                    </div>
             <?php if(isset($error)) : ?>
                                                                    <div id = "n" class = "alert
alert-danger">
                                                       class = "control-label col-sm-3"><span class =</pre>
                   <?php echo $error;?>
                </div>
                                                       "glyphicon glyphicon-briefcase"></span> Bus
             <?php endif;?>
                                                       Company</label>
                                                                           <div class = "col-sm-7">
         <br/>
                                                                             <select id = "bCompany"</pre>
             <div class = "form-group form-</pre>
inline">
                                                       name = "bCompany"
                                                                             class = "form-control"
                <label for = "Name" class =</pre>
                                                       required>
"control-label
                col-sm-3"><span class
                                                                                 <?php
"glyphicon glyphicon-user"></span> Name</label>
                                                       foreach($busCompanies as $b): ?>
                <div class = "col-sm-7">
                                                                                    <?php if($b ->
                   <input type = "text" id =</pre>
                                                       busCompanyID == $bp -> busCompanyID):?>
"lName" name = "lName" class = "form-control" value = "<?php echo $bp ->
                                                                                        <option value</pre>
                                                                                      busCompanyID;?>"
                                                           "<?php echo $b ->
busPersonnelLName;?>" placeholder = "Last Name"
                                                       selected><?php
                                                                                         $b
                                                                            echo
                                    autofocus>
                                                       busCompanyName;?></option>
<?php else: ?>
                                                                                        <option value</pre>
"fName" name = "fName" class = "form-control"
                                                       = "<?php echo $b -> busCompanyID;?>"><?php echo</pre>
value = "<?php echo $bp ->
busPersonnelFName;?>" placeholder = "First
                                                       $b -> busCompanyName;?></option>
                                                                                     <?php endif;?>
                required
Name"
                                                                                 <?php endforeach;?>
                                    autofocus>
     
                                                                              </select>
                 <input type = "text" id =</pre>
                                                                           </div>
"mName" name = "mName" class = "form-control"
                                                                    </div>
value = "<?php</pre>
                           echo $bp ->
                                                                    <div class = "form-group">
busPersonnelMName;?>" placeholder = "Middle
                                                                          <label for = "pType" class</pre>
                                                                                  col-sm-3">Personnel
Name" required autofocus>
                                                               "control-label
                  <input type = "hidden" name</pre>
                                                       Type</label>
= "bpid" value = "<?php echo $bp ->
                                                                           <div class = "col-sm-7">
busPersonnelID;?>"/>
                                                                             <select onChange
                                                       "displayDiv();" id = "pType" name = "pType"
                </div>
                                                       class = "form-control" required autofocus>
             </div>
             <div class = "form-group">
                                                                                 <?php
                                                                                        if($bp
                <label for = "ssn" class =</pre>
                                                       busPersonnelType == "Conductor"):?>
                col-sm-3"><span class
"control-label
                                                                                    <option value =</pre>
"glyphicon glyphicon-th"></span> SSN</label>
                                                       "Conductor" selected>Conductor</option>
                                                                                 <?php else:?>
                <div class = "col-sm-7">
                   <input type = "number" id =</pre>
                                                                                    <option value =</pre>
"ssn" name = "ssn" value = "<?php echo $bp -> busPersonnelSSN;?>" class = "form-control"
                                                       "Conductor">Conductor</option>
                                                                                 <?php endif;?>
                                                                                 <?php
required autofocus>
                                                                                          if($bp
                </div>
                                                       busPersonnelType == "Driver"):?>
             </div>
```

```
<option value =</pre>
                                                        defined('BASEPATH') OR exit('No direct script
"Driver" selected>Driver</option>
                           <?php else:?>
                                                        access allowed');
                              <option value =</pre>
"Driver">Driver</option>
                                                        <!DOCTYPE html>
                                                         <html lang="en">
                           <?php endif;?>
                                                            <head>
                       </select>
                    </div>
             </div>
                                                               k
                                                                                        rel="stylesheet"
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
             <?php if($bp -> busPersonnelType
== "Driver"):?>
                                                        3.3.5/css/bootstrap.min.css">
                <div id = "driverDiv">
             <?php else:?>
                                                               <script
                <div id
                                     "driverDiv"
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
style="display:none;">
                                                         ry/1.11.3/jquery.min.js"></script>
             <?php endif;?>
                                                               <script
                src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                    <label for = "lNo" class =
                                                         .3.5/js/bootstrap.min.js"></script>
"control-label col-sm-3">License No.</label>
                    <div class = "col-sm-7">
                                                               <meta charset = "utf-8">
                                                        <meta name = "viewport" content = "width
= device-width, initial-scale = 1">
                       <?php
                                  if($bp
busPersonnelType == "Driver"):?>
                          <input type = "text"</pre>
id = "lNo" name = "lNo" class = "form-control"
                                                               <title>Edit Terminal</title>
value = "<?php echo $bp -> licenseNo;?>"
placeholder = "X00-00-00000" pattern = "[A-
                                                               <style>
Z]\d{2}-\d{2}-\d{6}">
                                                                  body {
                       <?php else:?>
                                                                      background-color: #D7D7D7;
id = "lNo" name = "lNo" class = "form-control"
                                                               </style>
placeholder = "X00-00-00000" pattern = "[A-
Z]\d{2}-\d{2}-\d{6}">
                                                               <script
                       <?php endif;?>
                                                        src="http://maps.googleapis.com/maps/api/js">
                    </div>
                                                        script>
                </div>
                                                               <script>
                 <div class = "form-group">
                                                                  var
                                                                         btl at
                                                                                           <?php
                                                                                                     echo
                    <label for = "eDate" class</pre>
                                                         $busTerminal[0] -> stopPointLat;?>;
       "control-label
                           col-sm-3">Expiration
                                                                          btLong
                                                                  var
                                                                                   = <?php
                                                                                                     echo
Date</label>
                                                         $busTerminal[0] -> stopPointLong;?>;
                    <div class = "col-sm-7">
                                                                  var marker;
                       <?php
                                if($bp
busPersonnelType == "Driver"):?>
                                                                  var map;
                                                                   function initialize() {
                          <input type = "date"</pre>
id = "eDate" name = "eDate" class = "form-control" value = "<?php echo $bp ->
                                                                      var mapProp = {
                                                                         center:new
expirationDate;?>">
                                                        google.maps.LatLng(<?php echo $busTerminal[0] -</pre>
                                                        > stopPointLat;?>,<?php echo $busTerminal[0] ->
                       <?php else:?>
                          <input type = "date"</pre>
                                                         stopPointLong;?>),
id = "eDate" name = "eDate" class = "form-
                                                                         zoom:14,
control">
                       <?php endif;?>
                                                            mapTypeId:google.maps.MapTypeId.ROADMAP
                    </div>
                </div>
             </div>
                                                                      map
             <div class = "form-group">
                                                        google.maps.Map(document.getElementById("google
                <div class = "col-sm-offset-3</pre>
                                                        Map"),mapProp);
col-sm-8">
                    <button type = "submit"</pre>
                                                                      marker = new google.maps.Marker({
                  "btn
class
                            btn-primary">Update
                                                                         position:
Record</button>
                                                        google.maps.LatLng(<?php echo $busTerminal[0] -</pre>
                                                        > stopPointLat;?>,<?php echo $busTerminal[0] ->
                 </div>
             </div>
                                                        stopPointLong;?>),
             <span class = "glyphicon" style =</pre>
                                                                         map: map
"content: \e247;"></span>
                                                                      });
          </form>
      </div>
   </body>
                                                            google.maps.event.addListener(map, 'click',
</html>
                                                        function(event) {
editTerminal.php
                                                                         btLat = event.latLng.lat();
```

```
<label for = "btLocation"</pre>
                btLong = event.latLng.lng();
                                                        class = "control-label col-sm-4">Bus Terminal
                placeMarker(event.latLng);
             });
                                                        Location</label>
                                                                         <div id = "googleMap" class =
         }
                                                        "col-sm-5" style = "left:16px; height: 250px;
                                                        width: 400px;">
   google.maps.event.addDomListener(window,
                                                                         </div>
'load', initialize);
                                                                     </div>
                                                                     <div class = "form-group">
      </script>
                                                                         <div class = "col-sm-offset-4
   </head>
   <body>
                                                        col-sm-5">
                                                                            <button type = "submit"
      <div class = "container">
                                                                                      btn-primary">Edit
                                                        class
                                                                            "btn
          <?php echo validation errors();?>
                                                        Terminal</button>
          <form class = 'form-horizontal' role</pre>
                                                                         </div>
= 'form' onSubmit = 'editTerminal(); return
                                                                     </div>
                                                                     <span class = "glyphicon" style =</pre>
false;'>
          <h1 class = "text-center"><span class
                                                        "content: \e247;"></span>
                                                                  </form>
   "glyphicon glyphicon-edit"></span> Edit
Terminal</h1>
                                                              </div>
          <div id = "n"></div>
          <br/>
                                                              <script>
             <div class = "form-group">
                                                                  function display() {
                <label for = "btName" class =</pre>
"control-label
                    col-sm-4">Bus
                                       Terminal
                                                           if(document.getElementById("btType").value
Name</label>
                                                        == "Private")
                <div class = "col-sm-5">
                   <input type = "text" size =</pre>
                                                           document.getElementById("bCompanyPanel").st
"20" id = "btName" name = "btName" class =
                                                        yle.display = "block";
"form-control"
                 value = "<?php echo</pre>
                                                                     else
$busTerminal[0] -> stopPointName;?>" required
autofocus>
                                                           document.getElementById("bCompanyPanel").st
                </div>
                                                        yle.display = "none";
             </div>
             <div class = "form-group">
                <label for = "btType" class =</pre>
                                                                  function placeMarker(loc) {
                    col-sm-4">Bus
                                      Terminal
"control-label
                                                                     if(marker != null) {
Type</label>
                                                                        marker.setPosition(loc);
                <div class = "col-sm-5">
                   <select onChange</pre>
                                                                     else {
"display();" id = "btType" name = "btType"
                                                                        marker
                                                                                                     new
class = "form-control" required autofocus>
                                                        google.maps.Marker({
                       <option
                                   value
                                                                            position: loc,
"Shared">Public</option>
                                                                            map: map
                       <ontion
                                    value
                                                                        });
"Private">Private</option>
                                                                     }
                                                                  }
                   </select>
                 </div>
             </div>
                                                                  function editTerminal() {
             <div id = "bCompanyPanel" class =
                                                                     var
                                                                                    btName
                                                        document.getElementById("btName").value;
"form-group" style = "display: none;">
                <label for = "bCompany" class</pre>
                                                                                    btType
                                                                     var
= "control-label col-sm-4">Bus Company</label>
                                                        document.getElementById("btType").value;
                <div class = "col-sm-5">
                                                                     var
                                                                                   bCompany
                   <select id = "bCompany"</pre>
                                                        document.getElementById("bCompany").value;
         "bCompany"
                      class = "form-control"
name =
required autofocus>
                                                                     var val = true;
                                                                     var valstring = "";
                                       disabled
                       <option
selected>Bus Company</option>
                                                                     if(btLat == null || btLong ==
                       <?php
foreach($busCompanies as $b): ?>
                                                        null) {
                          <option
                                     value
                                                                        val = false;
"<?php echo $b -> busCompanyID;?>"><?php echo</pre>
                                                                        valstring +=
                                                                                         "Please input
$b -> busCompanyName;?></option>
                                                        location";
                       <?php endforeach;?>
                    </select>
                                                                     if(btType
                                                                                         "Private"
                                                                                                      &&
                                                        bCompany == "Bus Company") {
                </div>
             </div>
                                                                        val = false;
             <div class = "form-group">
```

```
valstring
                                    "<br/>Please
specify bus company";
                                                            </body>
                                                        </html>
                                                        error_page.php
             if(val) {
                                                        <?php
                                                        defined('BASEPATH') OR exit('No direct script
                editT(btName,
                                        btType,
bCompany);
                                                        access allowed');
                                                        <!DOCTYPE html>
             else {
                                                        <html lang="en">
   document.getElementById("n").className
                                                            <head>
"alert alert-danger";
                                                                                        rel="stylesheet"
   document.getElementById("n").innerHTML
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
valstring;
                                                        3.3.5/css/bootstrap.min.css">
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
          function
                       editT(btName,
                                         btType,
                                                        ry/1.11.3/jquery.min.js"></script>
bCompany) {
                                                               <script
             var xmlhttp;
                                                        src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                        .3.5/js/bootstrap.min.js"></script>
             var resp;
             if (window.XMLHttpRequest) {
                                                               <meta charset = "utf-8">
                xmlhttp=new XMLHttpRequest();
                                                               <meta name = "viewport" content = "width</pre>
                                                        = device-width, initial-scale = 1">
             else {
                xmlhttp=new
                                                               <style>
ActiveXObject("Microsoft.XMLHTTP");
                                                                   .panel {
                                                                     position: absolute;
                                                                      top: 0;
   xmlhttp.onreadystatechange=function() {
                                                                     bottom: 0;
                    (xmlhttp.readyState==4
                if
                                              &&
                                                                     left: 0;
xmlhttp.status==200) {
                                                                      right: 0;
                                                                      width: 600px;
xmlhttp.responseText;
                                                                     height: 300px;
                    if(resp ==
                                "Bus Terminal
                                                                     background-color: #D7D7D7;
Updated") {
                                                                     border-color: #D7D7D7;
                                                                     margin: auto;
   document.getElementById("n").className
"alert alert-success";
                                                                  body {
                                                                     background-color: #D7D7D7;
                    else {
                                                               </style>
   document.getElementById("n").className
                                                               <title>ERROR!!!</title>
"alert alert-danger";
                                                           </head>
                                                            <body>
   document.getElementById("n").innerHTML
                                                               <div class = "container">
resp:
                                                                  <div class = "panel panel-default">
             }
                                                                      <div class = "panel-body">
                                                                         <?php echo img(array("src" =>
             var parameters = "btID=<?php echo</pre>
                                                        "images/button_invalid.png",
                                                                                       "class" => "img-
$busTerminal[0]
                                                        responsive center-block"));?>
stopPointID;?>&btName="+btName+"&btType="+btTyp
                                                                         <h1 class =
                                                                                           "text-center"
e+"&bCompany="+bCompany+"&btLat="+btLat+"&btLon
                                                        style = "color: #000000;">You are not allowed
g="+btLong;
                                                        to view this page...</h1>
                                                                      </div>
             xmlhttp.open("POST","../edit",
                                                                  </div>
                                                               </div>
true);
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
                                                            </body>
   xmlhttp.setRequestHeader("Content-type",
                                                        </html>
"application/x-www-form-urlencoded");
                                                        home.php
             xmlhttp.send(parameters);
                                                        defined('BASEPATH') OR exit('No direct script
                                                        access allowed');
      </script>
```

```
</div>
<!DOCTYPE html>
<html lang="en">
                                                                      <div class = "item">
   <head>
                                                                         <img
                                                      "http://www.luxurybackpacker.com/wp-
                                                      content/uploads/2013/06/Philippines_bus_termina
      k
                              rel="stylesheet"
                                                     1500x221.jpg" alt = "Bus Terminal" style = "width:900px; height:400px;"></img>
href="http://maxcdn.bootstrapcdn.com/bootstrap/
3.3.5/css/bootstrap.min.css">
                                                                        <div class = "carousel-
      <script
                                                     caption">
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                            <h3>View
                                                                                      Location
                                                                                                 οf
ry/1.11.3/jquery.min.js"></script>
                                                      Terminals</h3>
      <script
                                                                            You
                                                                                    can
                                                                                          view
                                                                                                the
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                      location
                                                                of
                                                                       terminals
                                                                                          href
                                                                                    ≺a
                                                      "./busterminals">HERE</a>
.3.5/js/bootstrap.min.js"></script>
                                                                         </div>
      <meta charset = "utf-8">
                                                                      </div>
      <meta name = "viewport" content = "width</pre>
= device-width, initial-scale = 1">
                                                                      <div class = "item">
                                                                         <img
                                                      "http://www.wheressharon.com/wp-
      <style>
         .carousel-inner > .item > img,
                                                     content/uploads/2013/03/IMG_3496.jpg"
                                                                                            alt
         .carousel-inner > .item > a > img {
                                                      "Bus Interior" style =
                                                                                       "width:700px;
                                                     height:400px;"></img>
            width: 80%;
            margin: auto;
                                                                         <div class = "carousel-
                                                     caption">
                                                                            <h3>Report</h3>
                                                                            Report or Complain <a
         body {
            background-color: #D7D7D7;
                                                     href="./home/complaint">HERE</a>
                                                                         </div>
                                                                      </div>
      </style>
      <title>Welcome to OPPBT</title>
                                                                     <div class = "item">
   </head>
                                                                        <img
                                                                                     src
   <body>
                                                      "http://images.clipartpanda.com/asking-clipart-
                                                     question_mark.jpg" alt = "Question Mark" style
      <div class = "container">
                                                      = "width:400px; height:400px;"></img>
                                                                         <div class = "carousel-</pre>
         <!-- IMAGE SLIDESHOW -->
         <div id = "slideShow" class =
                                                      caption">
"carousel slide" data-ride = "carousel">
                                                                            <h3>About OPPBT</h3>
            <!-- Indicators -->
                                                                            Learn more about
            <l
                    class
                                    "carousel-
                                                     OPPBT <a href="./home/about">HERE</a>
indicators">
                                                                         </div>
               data-target = "#slideShow"
                                                                      </div>
data-slide-to = "0" class = "active">
                                                                  </div>
               data-target = "#slideShow"
data-slide-to = "1">
                                                                  <!-- Controls -->
                                                     data-target = "#slideShow"
data-slide-to = "2">
               data-slide = "prev">
data-slide-to = "3">
                                                                                         "glyphicon
                                                                     <span
                                                                             class =
            glyphicon-chevron-left"
                                                                                 aria-hidden
                                                      'true"></span>
            <!-- Wrapper for Slides -->
                                                                               class
                                                                                                "sr-
                                                                     <span
            <div class = "carousel-inner"</pre>
                                                     only">Previous</span>
role = "listbox">
                                                                  </a>
                                                     <a class = "right carousel-
control" href = "#slideShow" role = "button"</pre>
               <div class = "item active">
                  <img
                              src
                                                     data-slide = "next">
"http://www.luxurybackpacker.com/wp-
content/uploads/2013/06/Philippines_bus_termina
                                                                            class = "glyphicon
                                                                     <span
1500x221.jpg" alt = "Bus Terminal" style =
"width:900px; height:400px;"></img>
                                                     glyphicon-chevron-right"
                                                                                aria-hidden
                                                      'true"></span>
                   <div class = "carousel-
                                                                     <span
                                                                               class
                                                                                                "sr-
caption">
                                                     only">Next</span>
                      <h3>Look for Buses</h3>
                                                                  </a>
                      You can find buses
going to a particular terminal <a href =
                                                               </div>
 ./trips">HERE</a>
                                                            </div>
                   </div>
```

```
<script>
                                                                     left: 30px;
          $(document).ready(function(){
                                                                     top: 12px;
$('[data-
toggle="popover"]').popover();
                                                                  }
                                                                  .menuItems:hover{
         });
      </script>
                                                                     background: #ff3333;
   </body>
                                                                  .submenuItems:hover{
</html>
                                                                     background: #00b8e6;
home_btAdmin.php
defined('BASEPATH') OR exit('No direct script
access allowed');
                                                                       a:link, a:visited,
                                                                                               a:hover,
                                                        a:active, .menuItems:hover, .submenuItems:hover
?>
<!DOCTYPE html>
<html lang="en">
                                                                     color: #333333;
   <head>
                                                                     text-decoration: none;
                                                                  }
      k
                               rel="stylesheet"
                                                               </style>
href="http://maxcdn.bootstrapcdn.com/bootstrap/
3.3.5/css/bootstrap.min.css">
                                                              <title>OPPBT - System Admin</title>
                                                           </head>
      <script
                                                           <body>
src="https://ajax.googleapis.com/ajax/libs/jque
ry/1.11.3/jquery.min.js"></script>
                                                               <div class = "container">
                                                                  <div id = "welcome">
                                                                     <h3 style = "position: relative;</pre>
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
.3.5/js/bootstrap.min.js"></script>
                                                                             left:
                                                                     0px;
                                                                                         35px;
                                                        75px;"><b>WELCOME</b></h3>
      <meta charset = "utf-8">
                                                                     <a href="./buses"><div class =</pre>
      <meta name = "viewport" content = "width</pre>
                                                        "menuItems" style = "top: -35px;">
= device-width, initial-scale = 1">
                                                                       <h3
                                                                                    class
                                                        "menuContent"><span
                                                                                              "glyphicon
                                                                             class
                                                                                      =
      <style>
                                                        glyphicon-bed"></span> Buses</h3>
          .carousel-inner > .item > img,
                                                                     </div>
          .carousel-inner > .item > a > img {
                                                                     </a>
                                                                     <a href="./trips"><div class =</pre>
             width: 80%;
                                                        "menuItems" style = "top: -30px;">
             margin: auto;
          }
                                                                       <h3
                                                                                      class
                                                        "menuContent"><span
                                                                                              "glyphicon
                                                                               class
                                                        glyphicon-bed"></span> Trips</h3>
          body {
             background-color: #D7D7D7;
                                                                     </div>
                                                                     </a>
                                                                     <a href="./busroutes"><div class</pre>
          #welcome {
                                                        = "menuItems" style = "top: -25px;">
             border-radius: 50%;
                                                                        <h3
             width: 200px;
                                                        "menuContent"><span class = "glyphicon
             height: 200px;
                                                        glyphicon-road"></span> Bus Routes</h3>
             background: #ffff4d;
                                                                     </div>
             border: 3px solid #ffff1a;
                                                                     </a>
             position: relative;
                                                                     <a
             left: 150px;
                                                        href="./trips/viewHistory"><div</pre>
                                                                                            class
                                                        "menuItems" style = "top: -20px;">
             top: 150px;
          }
                                                                        <h3
                                                                                    class
                                                        "menuContent"><span
                                                                                             glyphicon
                                                                               class
          .menuItems {
                                                        glyphicon-calendar"></span> Trip History</h3>
             border-top-right-radius:100px;
                                                                     </div>
             border-bottom-right-radius:100px;
                                                                     </a>
             width: 500px;
                                                                  </div>
             height: 50px;
             position: relative;
                                                              </div>
             margin: 0px;
             background: #ff4d4d;
                                                           </body>
             left: 250px;
                                                        </html>
          }
                                                        home_sAdmin.php
                                                        <?php
                                                        defined('BASEPATH') OR exit('No direct script
          .menuContent {
             position: relative;
                                                        access allowed');
             margin: 0px;
                                                        ?>
```

```
<!DOCTYPE html>
                                                                 .menuItems:hover{
<html lang="en">
                                                                   background: #ff3333;
   <head>
                              rel="stylesheet"
                                                                 .submenuItems:hover{
      k
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                   background: #00b8e6;
3.3.5/css/bootstrap.min.css">
                                                                a, a:link, a:visited,
      <script
                                                                                             a:hover.
src="https://ajax.googleapis.com/ajax/libs/jque
                                                       a:active, .menuItems:hover, .submenuItems:hover
ry/1.11.3/jquery.min.js"></script>
      <script
                                                                   color: #333333;
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                                    text-decoration: none;
.3.5/js/bootstrap.min.js"></script>
                                                                }
                                                             </style>
      <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                             <title>OPPBT - System Admin</title>
= device-width, initial-scale = 1">
                                                          </head>
                                                          <body>
      <style>
                                                             <div class = "container">
         .carousel-inner > .item > img,
                                                                <div id = "welcome">
          .carousel-inner > .item > a > img {
            width: 80%;
                                                                   <h3 style = "position: relative;</pre>
                                                                            left:
             margin: auto;
                                                       margin:
                                                                   0px;
                                                                                       35px;
         }
                                                       75px;"><b>WELCOME</b></h3>
                                                       body {
             background-color: #D7D7D7;
         }
                                                                       ∠h3
                                                                                    class
                                                       "menuContent"><span
                                                                                            "glyphicon
                                                                             class
                                                       glyphicon-user"></span> USERS</h3>
         #welcome {
             border-radius: 50%;
                                                                   </div>
             width: 200px;
                                                                    </a>
                                                                    <a href="" onClick = "return</pre>
             height: 200px;
                                                       false;"><div class = "menuItems" style = "top:</pre>
             background: #ffff4d;
             border: 3px solid #ffff1a;
                                                       15px;">
             position: relative;
                                                                       <h3
             left: 100px;
                                                       "menuContent"><span
                                                                             class
                                                                                    = "glyphicon
         }
                                                       glyphicon-list-alt"></span> RECORDS</h3>
                                                                   </div>
          .menuItems {
                                                                    </a>
                                                                           href="./buscompanies"><div
             border-top-right-radius:100px;
                                                                   ≺a
                                                       class = "submenuItems" style = "top: 20px;">
             border-bottom-right-radius:100px;
             width: 500px;
                                                                       <h3
                                                                                    class
             height: 50px;
                                                       "menuContent"><span
                                                                                            "glyphicon
                                                                             class
                                                                                    =
             position: relative;
                                                       glyphicon-briefcase"></span> Bus Companies</h3>
             margin: 0px;
                                                                   </div>
             background:#ff4d4d;
                                                                    </a>
                                                                           href="./busterminals"><div</pre>
             left: 250px;
                                                                   <a
                                                       class = "submenuItems" style = "top: 25px;">
         }
                                                                                    class
                                                                       <h3
         .submenuItems {
                                                       "menuContent"><span
                                                                             class
                                                                                     =
                                                                                            "glyphicon
             border-top-left-radius: 100px;
                                                       glyphicon-exclamation-sign"></span>
                                                                                                  Bus
             border-bottom-left-radius: 100px;
                                                       Terminals</h3>
             width: 500px;
                                                                    </div>
             height: 40px;
                                                                    </a>
                                                                    <a href="./buses"><div class =
             position: relative;
                                                       "submenuItems" style = "top: 30px;">
             margin: 0px;
             background: #00ccff;
                                                                       <h3
                                                       "menuContent"><span
             left: 300px;
                                                                             class
                                                                                            "glyphicon
                                                       glyphicon-bed"></span> Buses</h3>
         }
                                                                    </div>
          .menuContent {
                                                                    </a>
                                                                          href="./buspersonnels"><div
             position: relative;
                                                                    <a
             margin: 0px;
                                                       class = "submenuItems" style = "top: 35px;">
             left: 30px;
                                                                       <h3
                                                                                   class
                                                                                           "glyphicon
             top: 8px;
                                                       "menuContent"><span
                                                                             class =
         }
                                                       glyphicon-user"></span> Bus Personnel</h3>
                                                                   </div>
```

```
</a>
                                                                  .panel {
             <a href="./busroutes"><div class</pre>
                                                                     border-color: #B6B6B6;
= "submenuItems" style = "top: 40px;">
                                                                     position: absolute;
                <h3
                              class
                                                                     top: 0;
                                     glyphicon
"menuContent"><span
                      class
                              =
                                                                     bottom: 0;
glyphicon-road"></span> Bus Routes</h3>
                                                                     left: 0;
                                                                     right: 0;
             </div>
             </a>
                                                                     width: 300px;
                                                                     height: 225px;
             <a
href="./reports/viewAllReports"><div class =</pre>
                                                                     margin: auto;
"submenuItems" style = "top: 45px;">
                                                                  }
               <h3
                         class
"menuContent"><span
                                     "glyphicon
                     class =
                                                                  body {
glyphicon-file"></span> Reports</h3>
                                                                     background-color: #D7D7D7;
             </div>
                                                              </style>
             ≺a
href="./reports/viewAllComplaints"><div class =</pre>
"submenuItems" style = "top: 50px;">
                                                              <title>Login</title>
                <h3
                                                           </head>
"menuContent"><span
                              = "glyphicon
                                                           <body>
                     class
glyphicon-file"></span> Complaints</h3>
             </div>
                                                               <div class = "container">
             </a>
                                                                  <?php echo validation errors();?>
             <a href="./trips"><div class =</pre>
                                                                  <?php echo form_open('verifyLogin',</pre>
"submenuItems" style = "top: 55px;">
                                                        array('class' => 'form-horizontal', 'role' =>
                <h3
                              class
                                                        'form'))?>
"menuContent"><span
                                                                     <div class = "panel panel-
                                     glyphicon
                      class
                              =
glyphicon-bed"></span> Trips</h3>
                                                        default">
                                                                         <div class = "panel-heading">
             </div>
                                                                            <h4 class = "form-signin-
             </a>
                                                        heading">Login</h2>
             <a
href="./trips/viewHistory"><div
                                                                         </div>
"submenuItems" style = "top: 60px;">
                                                                         <div class = "panel-body">
                                                                            <div class = "form-group">
     <label for = "uName"</pre>
                <h3
                             class
"menuContent"><span
                                     "glyphicon
                      class =
glyphicon-calendar"></span> Trip History</h3>
                                                        class = "glyphicon glyphicon-user control-label
                                                        col-sm-2"></label>
             </div>
                                                                               <div class = "col-sm-
             </a>
          </div>
                                                        10">
                                                                                  <input type = "text"</pre>
                                                        size = "20" id = "uName" name = "uName" class =
      </div>
                                                        "form-control" placeholder =
                                                                                             "Username"
   </body>
                                                        required autofocus>
</html>
                                                                               </div>
                                                                            </div>
login_page.php
                                                                            <div class = "form-group">
defined('BASEPATH') OR exit('No direct script
                                                                               <label for = "pWord"</pre>
access allowed');
                                                        class = "glyphicon glyphicon-lock control-label
                                                        col-sm-2"></label>
?>
<!DOCTYPE html>
                                                                               <div class = "col-sm-
                                                        10">
<html lang="en">
   <head>
                                                                                  <input
                                                                                             type
                                                        "password" size = "20" id = "pWord" name = "pWord" class = "form-control" placeholder =
                               rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                        "Password" required>
3.3.5/css/bootstrap.min.css">
                                                                               </div>
                                                                            </div>
                                                                            src="https://ajax.googleapis.com/ajax/libs/jque
                                                                               <div class = "col-sm-
ry/1.11.3/jquery.min.js"></script>
                                                        offset-2 col-sm-10">
      <script
                                                                                  <button
                                                                                              type
                                                                               "btn btn-primary btn-
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                        "submit" class =
.3.5/js/bootstrap.min.js"></script>
                                                        block">Submit</button>
                                                                               </div>
      <meta charset = "utf-8">
                                                                            </div>
      <meta name = "viewport" content = "width</pre>
                                                                        </div>
= device-width, initial-scale = 1">
                                                                     </div>
                                                                  </form>
      <style>
                                                              </div>
```

```
center:new
      <script>
                                                         google.maps.LatLng(14.55357406,120.997645850000
          $(document).ready(function(){
                                                         Ø3),
             $('[data-
                                                                          zoom:16,
toggle="popover"]').popover();
          });
                                                             mapTypeId:google.maps.MapTypeId.ROADMAP
      </script>
                                                                       };
   </body>
                                                                                                       new
</html>
                                                         google.maps.Map(document.getElementById("google
routeForm.php
                                                         Map"),mapProp);
<?php
defined('BASEPATH') OR exit('No direct script
                                                                       <?php if($add):?>
access allowed');
                                                                          <?php foreach($stops as $s):?>
                                                                             markers.push(
<!DOCTYPE html>
                                                                                 new google.maps.Marker({
<html lang="en">
                                                                                     position:
   <head>
                                                         google.maps.LatLng(<?php</pre>
                                                                                       echo
                                                                                                 $5
                                                                                                        ->
                                                         stopPointLat;?>,<?php</pre>
                                                                                     echo
                                                                                                $s
                                                                                                        ->
                                rel="stylesheet"
                                                         stopPointLong;?>),
      link
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                                    map: map
3.3.5/css/bootstrap.min.css">
                                                                                 })
                                                                             );
                                                                          <?php endforeach;?>
      <script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                       <?php endif;?>
ry/1.11.3/jquery.min.js"></script>
                                                                       for(var
      <script
                                                                                             0;
                                                                                  i
                                                                                                    i
                                                                                                         <
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                         markers.length; i++) {
.3.5/js/bootstrap.min.js"></script>
                                                                          var m = markers[i];
                                                                          m.addListener('click',
      <meta charset = "utf-8">
                                                         function() {
      <meta name = "viewport" content = "width
                                                                              addMarker(this);
= device-width, initial-scale = 1">
                                                                          });
                                                                       }
      <title><?php echo ($add ? 'Add'
'Edit');?> Route</title>
                                                             google.maps.event.addListener(map, 'click',
                                                         function(event) {
      <style>
          body {
                                                                          placeMarker(event.latLng);
             background-color: #D7D7D7;
                                                                       });
                                                                   }
          tbody {
             overflow-y: auto;
                                                             google.maps.event.addDomListener(window,
                                                          'load', initialize);
          .glyphicon-arrow-up {
             color: #FF0000;
                                                                </script>
                                                             </head>
          .glyphicon-arrow-down {
                                                             <body <?php if(!$add):?> onLoad = "fix();"
                                                         <?php endif?>>
             color: #0000FF;
                                                                <div class = "container">
      </style>
                                                                   <?php echo validation errors();?>
                                                         <form class = 'form-horizontal' role
= 'form' onSubmit = "<?php echo ($add ?</pre>
      <script
src="http://maps.googleapis.com/maps/api/js">
                                                          'addR()' : 'editR()');?>;return false;">
script>
      <scrint>
                                                                   <h1 class = "text-center"><span class
                                                                 glyphicon
          var btLat;
                                                                                 glyphicon-road"></span>
                                                          <?php echo ($add ? 'Add' : 'Edit');?>
          var btLong;
                                                         Route</h1>
                                                                   \langle div id = "n" \rangle \langle / div \rangle
          var markers = [];
          var map;
                                                                   <br/>
                                                                       <div class = 'col-sm-3'>
          var routeMarkers = [];
                                                                          <h4 class="text-center"><span
                                                         class = "glyphicon glyphicon"></span> Route
                                                         Information</h4>
          var rLine;
          function initialize() {
                                                                          <div class = "form-group">
                                                                             <label for = "rTo" class =
             var mapProp = {
                                                         "control-label col-sm-2">To:</label>
                                                                              <div class = "col-sm-9">
```

```
<input type = "text"</pre>
                                                             <script>
size = "20" id = "rTo" name = "rTo" class =
"form-control" <?php echo($add ? '' : 'value="'.</pre>
                                                                function placeMarker(loc) {
                                                                   markers.push(
$routeInfo['mainInfo']['rTo'] .'"');?> required
                                                                      new google.maps.Marker({
autofocus>
                                                                         position: loc,
                   </div>
                                                                          map: map
                </div>
                                                                      })
                <div class = "form-group">
                                                                   );
                   <label for = "rFrom" class</pre>
                                                                   var m = markers[markers.length-
= "control-label col-sm-2">From:</label>
                                                      1];
                   <div class = "col-sm-9">
                                                                   m.addListener('click', function()
                     <input type = "text"</pre>
                                                      {
size = "20" id = "rFrom" name = "rFrom" class =
                                                                      addMarker(this);
"form-control" <?php echo($add ? '' :'value="'.
                                                                   });
$routeInfo['mainInfo']['rFrom']
required autofocus>
                   </div>
                                                                function up(id) {
                </div>
                                                                   var swapTo = id-1;
                <div class = "form-group">
                                                                   if(swapTo >= 0) {
                   <label for = "rDetails"</pre>
                                                                      swap(id, swapTo);
             "control-label
                             col-sm-2">Other
Details:</label>
                   <div class = "col-sm-9" id
= "h">
                                                                function down(id) {
                                                                   var swapTo = id+1;
                      <textarea
                                    id
"rDetails" name = "rDetails" class = "form-
                                                                   if(swapTo < routeMarkers.length)</pre>
control" rows = "4"><?php echo($add ? '' :</pre>
                                                      {
$routeInfo['mainInfo']['rDetails']);?></textare</pre>
                                                                      swap(id, swapTo);
                                                                   }
a>
                                                                }
                </div>
            </div>
                                                                function swap(a, b) {
            <div class = 'col-sm-4'>
                                                                   var
                                                                               routeMarkerA
                <h4 class="text-center">Route
                                                      routeMarkers[a];
Map</h4>
                                                                   var
                                                                               routeMarkerB
                <div class = "form-group">
                                                      routeMarkers[b];
                   <div id = "googleMap" class</pre>
                                                                   var temp;
= "col-sm-5" style = "border: 2px solid black;
top: 0px;left:0px; padding-bottom:75%; width:
                                                                                = routeMarkerA;
100%; position:relative;">
                                                                   routeMarkerA = routeMarkerB;
                                                                   routeMarkerB = temp;
                   </div>
                </div>
                <div class = "form-group">
                                                                   routeMarkers[a] = routeMarkerA;
routeMarkers[b] = routeMarkerB;
"<?php echo ($add ? 'Add' : 'Edit');?> Route"/>
                                                                   aPosition
                                                      routeMarkerA.getPosition();
                </div>
            </div>
                                                                   bPosition
                                                      routeMarkerB.getPosition();
            <div class = 'col-sm-5' style =
'height: 70%; overflow: auto;'>
                <h4 class="text-center"><span
                               glyphicon-map-
class
                 "glyphicon
marker"></span> Route Points</h4>
                                                         document.getElementById('tr'+a).childNodes[
                <table class = "table table-
                                                      1].innerHTML = aPosition.lat().toFixed(8);
striped table-hover">
                   <thead>
                                                         document.getElementById('tr'+a).childNodes[
                      2].innerHTML = aPosition.lng().toFixed(8);
                      Lat
                      Lng
                                                         document.getElementById('tr'+b).childNodes[
                      1].innerHTML = bPosition.lat().toFixed(8);
                      document.getElementById('tr'+b).childNodes[
                   </thead>
                   2].innerHTML = bPosition.lng().toFixed(8);
                   </div>
                                                         document.getElementById('lat'+a).value
         </form>
                                                      aPosition.lat();
      </div>
```

```
trd.appendChild(td4);
   document.getElementById('lng'+a).value
                                                                       trd.appendChild(td5);
aPosition.lng();
                                                                       trd.id
   document.getElementById('lat'+b).value
                                                          'tr'+(routeMarkers.length-1);
bPosition.lat();
                                                             document.getElementById('rTable').appendChi
   document.getElementById('lng'+b).value
                                                          ld(trd);
bPosition.lng();
                                                                        var
                                                                                         h1
                                                          document.createElement("input");
             var line = [];
                                                                       var
             for(var
                       i
                                    0;
                                           i
                                                          document.createElement("input");
routeMarkers.length; i++) {
                                                                       h1.type = "hidden";
   line.push(routeMarkers[i].getPosition());
                                                                       h2.type = "hidden";
                                                                       h1.name
                                                          "lat"+(routeMarkers.length-1);
             rLine.setMap(null);
                                                                       h2.name
                                                          "lng"+(routeMarkers.length-1);
             rLine = null;
             rLine
                                              new
                                                                       h1.id
google.maps.Polyline({
                                                          "lat"+(routeMarkers.length-1);
                 path: line,
                                                                       h2.id
                                                          "lng"+(routeMarkers.length-1);
                 geodesic: true,
                 strokeColor: '#FF0000',
                                                                       h1.value = p.lat();
                 strokeOpacity: 0.80,
                                                                       h2.value = p.lng();
                 strokeWeight: 2,
                 map: map
                                                             document.getElementById('h').appendChild(h1
             });
          }
                                                          );
          function addMarker(m) {
                                                             document.getElementById('h').appendChild(h2
             var p = m.getPosition();
                                                          );
             routeMarkers.push(m);
                                                                        if(routeMarkers.length != 2 &&
                                                          routeMarkers.length > 1) {
             var
document.createElement("tr");
                                                                           var line = [];
             var
document.createElement("td");
                                                                           for(var
                                                                                               0;
                                                          routeMarkers.length; i++) {
             var
document.createElement("td");
                                                             line.push(routeMarkers[i].getPosition());
             var
document.createElement("td");
                                                                           }
             var
document.createElement("td");
                                                                           rLine.setPath(line);
             var
                               td5
document.createElement("td");
                                                                       else if(routeMarkers.length == 2)
                                                          {
             td1.innerHTML = "<a href = '#'
                                                                           var line = [];
onClick = 'up("+(routeMarkers.length-
1)+")'><span class = 'glyphicon glyphicon-
arrow-up'></span></a><a href = '#' onClick =</pre>
                                                                           for(var i
                                                                                                0;
                                                                                                     i
                                                          routeMarkers.length; i++) {
'down("+(routeMarkers.length-1)+")'><span class
     'glyphicon
                 glyphicon
                               glyphicon-arrow-
                                                             line.push(routeMarkers[i].getPosition());
down'></span></a>";
             td2.innerHTML
p.lat().toFixed(8);
                                                                           rLine
                                                                                                        new
             td3.innerHTML
                                                          google.maps.Polyline({
p.lng().toFixed(8);
                                                                              path: line,
             td4.innerHTML = "<a class = 'btn
                                                                               geodesic: true,
                                                                               strokeColor: '#FF0000',
btn-primary'
                 onClick
                                     'del("
(routeMarkers.length-1) + ")'>Delete</a>";
                                                                               strokeOpacity: 0.80,
             td5.innerHTML = "<a class =
                                              btn
                                                                              strokeWeight: 2,
btn-primary'
                onClick
                                    'tog("
                                                                              map: map
(routeMarkers.length-1) + ")'>View</a>";
                                                                           });
             trd.appendChild(td1);
                                                                    }
             trd.appendChild(td2);
             trd.appendChild(td3);
                                                                    function del(n) {
```

```
for(var
                                  0;
                       i
routeMarkers.length; i++) {
                                                           routeMarkers[i].setAnimation(null);
   routeMarkers[i].setAnimation(null);
                                                           routeMarkers[n].setAnimation(google.maps.An
                                                       imation.BOUNCE);
             routeMarkers.splice(n,1);
                                                                 }
                                                                 <?php if($add):?>
             var
document.getElementById('tr'+n);
                                                                     function addR() {
             e.parentNode.removeChild(e);
                                                                                       rTo
                                                                        var
                             h1
                                                       document.getElementById('rTo').value;
document.getElementById('lat'+n);
                                                                        var
                                                                                      rFrom
                                                       document.getElementById('rFrom').value;
             var
                              h2
document.getElementById('lng'+n);
                                                                        var
                                                                                    rDetails
             h1.parentNode.removeChild(h1);
                                                       document.getElementById('rDetails').value;
             h2.parentNode.removeChild(h2);
                                                                        if(routeMarkers.length >= 2) {
                                                                           var xmlhttp;
             for(var i
                                                                           var resp;
                                  n;
routeMarkers.length; i++) {
                                                                           if (window.XMLHttpRequest)
   document.getElementById('tr'+(i+1)).childNo
                                                       {
des[0].innerHTML = i+1;
                                                                               xmlhttp=new
                                                       XMLHttpRequest();
   document.getElementById('tr'+(i+1)).childNo
des[3].innerHTML = "<a class = 'btn btn-</pre>
                                                                           else {
                           'del(" +
primary' onClick
                                                                              xmlhttp=new
")'>Delete</a>";
                                                       ActiveXObject("Microsoft.XMLHTTP");
   document.getElementById('tr'+(i+1)).childNo
des[4].innerHTML = "<a class = 'btn btn-</pre>
                                                           xmlhttp.onreadystatechange=function() {
primary' onClick = 'tog(" + i + ")'>View</a>";
                                                                              if
                                                       (xmlhttp.readyState==4 && xmlhttp.status==200)
   document.getElementById('lat'+(i+1)).name =
                                                                                  resn
                                                       xmlhttp.responseText;
                                                                                                 "Route
                                                                                  if(resp
   document.getElementById('lng'+(i+1)).name =
                                                       Added") {
"lng"+i;
                                                           document.getElementById("n").className
   document.getElementById('lat'+(i+1)).id
                                                        "alert alert-success";
"lat"+i;
                                                                                  else {
   document.getElementById('lng'+(i+1)).id
                                                           document.getElementById("n").className
                                                        "alert alert-danger";
   document.getElementById('tr'+(i+1)).id
'tr'+i;
                                                           document.getElementById("n").innerHTML
                                                       resp;
             if(routeMarkers.length > 0
                                                                           }
rLine != null) {
                var line = [];
                for(var
                          i
                                         i
                                    0:
                                                                                     narameters
                                                                           var
routeMarkers.length; i++) {
                                                       "rTo="+rTo+"&rFrom="+rFrom+"&rDetails="+rDetail
                                                       s;
   line.push(routeMarkers[i].getPosition());
                                                                           var i = 0;
                                                           while(document.getElementById('lat'+i)
                rLine.setPath(line);
                                                                                                     !=
             }
                                                       null) {
         }
                                                                              parameters
                                                        "&lat"+i+"="+document.getElementById('lat'+i).v
         function tog(n) {
                                                       alue+"&lng"+i+"="+document.getElementById('lng'
             for(var i
                                                       +i).value;
                                  0:
                                         i
routeMarkers.length; i++) {
                                                                           }
```

```
var
                                                                                    parameters
                                                       "rID="+rID+"&rTo="+rTo+"&rFrom="+rFrom+"&rDetai
   xmlhttp.open("POST","./add", true);
                                                       ls="+rDetails;
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                          var i = 0;
   xmlhttp.setRequestHeader("Content-type",
                                                          while(document.getElementById('lat'+i)
                                                                                                    !=
"application/x-www-form-urlencoded");
                                                       null) {
                   xmlhttp.send(parameters);
                                                                             parameters
                                                       "&lat"+i+"="+document.getElementById('lat'+i).v
                else {
                                                       alue+"&lng"+i+"="+document.getElementById('lng'
                                                       +i).value;
   document.getElementById("n").className
                                                                              i++;
"alert alert-danger";
                                                                          }
   document.getElementById("n").innerHTML
"Please fill out the necessary information";
                                                          xmlhttp.open("POST","../edit", true);
                   return false;
                                                          xmlhttp.setRequestHeader("ajaxOnly","yes");
            }
         <?php else: ?>
                                                          xmlhttp.setRequestHeader("Content-type",
            function editR() {
                                                       "application/x-www-form-urlencoded");
                                                                          xmlhttp.send(parameters);
                var
document.getElementById('rTo').value;
                                                                       else {
                var
                              rFrom
document.getElementById('rFrom').value;
                                                          document.getElementById("n").className
                var
                            rDetails
document.getElementById('rDetails').value;
                                                       "alert alert-danger";
                      rID
                                  <?php
                var
                                           echo
$routeID;?>
                                                          document.getElementById("n").innerHTML
                                                       "Please fill out the necessary information";
                if(routeMarkers.length >= 2) {
                                                                          return false;
                   var xmlhttp;
                   var resp;
                                                                    }
                                                                 <?php endif;?>
                                                                 function searchMarker(lat, lng) {
                   if (window.XMLHttpRequest)
                                                                    var id = 0;
{
                                                                    for(id = 0; id < markers.length;</pre>
                      xmlhttp=new
XMLHttpRequest();
                                                       id++) {
                                                       markers[id].getPosition();
                   else {
                                                                       if(lat == 1.lat() && lng ==
                      xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                       1.lng())
                                                                          return id;
                                                                    }
   xmlhttp.onreadystatechange=function() {
                                                                    return -1;
                                                                }
                      if
(xmlhttp.readyState==4 && xmlhttp.status==200)
                                                                 <?php if(!$add):?>
                          resp
xmlhttp.responseText;
                                                                    function fix() {
                          if(resp
                                         "Route
                                                                       <?php for($i = 0;
                                                                                               $i
                                                       Updated") {
                                                                                                  echo
                                                       $routeInfo['routePoints'][$i]['lat'];?>;
   document.getElementById("n").className
"alert alert-success";
                                                                          var
                                                                                12
                                                                                     = <?php
                                                                                                  echo
                                                       $routeInfo['routePoints'][$i]['lng'];?>;
                          else {
                                                                          placeMarker(new
                                                       google.maps.LatLng(l1,l2));
   document.getElementById("n").className
                                                          addMarker(markers[markers.length-1]);
"alert alert-danger";
                                                                       <?php endfor;?>
                                                                       <?php foreach($stops as $s):?>
   document.getElementById("n").innerHTML
                                                                          if(searchMarker(<?php echo
                                                       $s -> stopPointLat;?>, <?php echo $s ->
resp;
                                                       stopPointLong;?>) == -1) {
                                                                             markers.push(
                   }
                                                                                 new
                                                       google.maps.Marker({
```

```
position:
                                                                         bPlateNo.push('<?php echo $b -
                                             new
google.maps.LatLng(<?php</pre>
                              echo
                                       $s
                                              ->
                                                         > busPlateNo;?>');
stopPointLat;?>,<?php
                           echo
                                      $s
                                              ->
                                                                      <?php endforeach;?>
stopPointLong;?>),
                                                                      for(var i = 0; i < buses.length;</pre>
                              map: map
                           })
                                                         i++) {
                                                                                   latlng
                       );
                                                                         var
                                                                                                      new
                                                         google.maps.LatLng(buses[i][2],buses[i][3]);
                       var
markers[markers.length-1];
                                                                         var
                                                                                   marker
                                                                                                      new
                       m.addListener('click',
                                                         google.maps.Marker({
function() {
                                                                             map: map,
                          addMarker(this);
                                                                             position: latlng
                       });
                                                                         });
                    }
                                                                         var contentString = "Bus Plate
                                                         No: " + buses[i][0] + "<br/>Bus Model: " +
                 <?php endforeach;?>
                                                         buses[i][1];
          <?php endif;?>
                                                                          var
                                                                                 infowindow
      </script>
                                                         google.maps.InfoWindow({
                                                                             content: contentString
   </body>
                                                                         });
</html>
view_busMap.php
                                                            google.maps.event.addListener(marker,
<?php
                                                         'click', (function(marker, infowindow){
defined('BASEPATH') OR exit('No direct script
                                                                             return
                                                                                               function()
access allowed');
                                                         {infowindow.open(map, marker);};
                                                                         })(marker, infowindow));
<!DOCTYPE html>
                                                                         markers.push(marker);
<html lang="en">
                                                                      }
   <head>
                                                                   }
                                rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                            google.maps.event.addDomListener(window,
                                                         'load', initialize);
3.3.5/css/bootstrap.min.css">
                                                               </script>
src="https://ajax.googleapis.com/ajax/libs/jque
                                                               <meta charset = "utf-8">
ry/1.11.3/jquery.min.js"></script>
                                                                <meta name = "viewport" content = "width</pre>
                                                         = device-width, initial-scale = 1">
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
.3.5/js/bootstrap.min.js"></script>
                                                               <stvle>
      <script
                                                                   body {
src="http://maps.googleapis.com/maps/api/js">
                                                                      background-color: #D7D7D7;
script>
                                                                </style>
      <script>
          var map;
                                                               <title>Bus Map</title>
          var markers = [];
                                                            </head>
          var buses = [];
                                                            <body onLoad = "startWorker();">
          var bPlateNo = [];
                                                               <div class = "container">
                                                                   <h3 class = "text-center"><span class
          var
                    myCenter
                                             new
                                                                 glyphicon"
                                                                                  glyphicon-exclamation-
google.maps.LatLng(14.5980716,120.9796513);
          var focusPoint;
                                                         sign"></span> Bus Map</h3>
          function initialize() {
                                                                   <div id = "result"></div>
                                                                   <form class = 'form-inline' role =</pre>
             var mapProp = {
                center: myCenter,
                                                         'form' onSubmit = 'setFocus(); return false;'>
                zoom: 7,
                                                                      <div class = "form-group col-sm-</pre>
                mapTypeId:
                                                         offset-4">
google.maps.MapTypeId.ROADMAP
                                                                          <div>
                                                                             <input type = "text" size =</pre>
             };
                                                         "10" id = "bpNo" class = "form-control" name =
             map
                                                         "bpNo" placeholder = "Plate Number" style =
google.maps.Map(document.getElementById("map"),
                                                         "width: 300px;">
mapProp);
                                                                             <button type = "submit"
             <?php foreach($busData as $b):?>
                                                         class = "btn btn-primary">Search Bus</button>
                buses.push(['<?php echo $b ->
                                                                         </div>
busPlateNo;?>'
               '<?php
                          echo
                                     $b
                                                                      </div>
busModel;?>',<?php echo $b -> busLat;?>,<?php</pre>
                                                                   </form>
echo $b -> busLong;?>]);
                                                                   <div id = "map" style = "width: 100%;</pre>
                                                         height: 500px;">
```

```
</div>
      </div>
                                                           document.getElementById('result').innerHTML
                                                          "Bus not in the database";
      <script>
                                                                         focusPoint = null;
                                                                         for(var i
                                                                                             0:
                                                                                                   i
                                                                                                       <
         var w:
                                                        markers.length; i++) {
          function startWorker() {
                                                                            markers[i].setMap(map);
             if(typeof(Worker)
"undefined") {
                                                                         map.panTo(myCenter);
                if(typeof(w) == "undefined") {
                                                                     }
                                                                  }
                                             new
Worker("../scripts/update_map.js");
                                                               </script>
                                                           </body>
                w.onmessage = function(event)
                                                        </html>
                                                        view_complaint.php
{
                            locationArray
                                                        <?php
                    var
                                                        defined('BASEPATH') OR exit('No direct script
event.data[1];
                    for(var
                             i
                                                        access allowed');
                                = 0;
locationArray.length; i++) {
                                                        <!DOCTYPE html>
                       var
                                   ind
                                                        <html lang="en">
bPlateNo.indexOf(locationArray[i].busPlateNo);
                       var
                             latlng
                                                           <head>
google.maps.LatLng(locationArray[i].busLat,loca
                                                                                        rel="stylesheet"
tionArray[i].busLong);
                                                               k
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
   markers[ind].setPosition(latlng);
                                                        3.3.5/css/bootstrap.min.css">
                    if(focusPoint != null) {
                                                               <script
                       map.panTo(focusPoint);
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
                                                        ry/1.11.3/jquery.min.js"></script>
                                                               <script
                w.postMessage("Hello World");
                                                        src="http://maxcdn.bootstrapcdn.com/bootstrap/3
             } else {
                                                        .3.5/js/bootstrap.min.js"></script>
   document.getElementById('result').className
                                                               <meta charset = "utf-8">
                                                               <meta name = "viewport" content = "width</pre>
= "alert alert-danger";
                                                        = device-width, initial-scale = 1">
   document.getElementById('result').innerHTML
= "Sorry, your web browser doesn't support web
                                                               <style>
workers.";
                                                                  .carousel-inner > .item > img,
                                                                  .carousel-inner > .item > a > img {
                                                                     width: 80%;
                                                                     margin: auto;
          function setFocus() {
                             bPNo
             var
document.getElementById('bpNo').value;
                                                                  body {
             var ind = bPlateNo.indexOf(bPNo);
                                                                     background-color: #D7D7D7;
             for(var
                        i
markers.length; i++) {
                markers[i].setMap(null);
                                                                  .dl-horizontal {
                                                                     font-size: 18;
             if(ind >= 0) {
   document.getElementById('result').className
                                                               </style>
                                                               <title>Complaint Information</title>
   document.getElementById('result').innerHTML
                                                           </head>
                                                           <body>
                focusPoint
                                                               <div class = "container">
google.maps.LatLng(buses[ind][2],buses[ind][3])
                                                                  <h1 class = "text-center">Complaint
                                                        Information</h1>
                markers[ind].setMap(map);
                                                                  <br/><br/><br/><br/><br/>
                map.panTo(focusPoint);
                                                                  <div id = "cInfo">
                                                                      <dl class = "dl-horizontal">
                                                                         <?php foreach($complaintData</pre>
             else {
                                                        as $c):?>
   document.getElementById('result').className
                                                                            <dt>Complaint ID:</dt>
= "alert alert-danger";
                                                                            <dd><?php
                                                                                       echo
                                                        complaintID;?></dd>
```

```
<dt>Complaint Sender:</dt>
                                                                  <h1 class = "text-center"><span class
                                                        = "glyphicon glyphicon-user"></span> Personnel
                    <dd><?php echo ($c
complaintSender != "") ? $c -> complaintSender
                                                        Information</h1>
                                                                  <dl class = "dl-horizontal">
: "Anonymous";?></dd>
                    <dt>Complaint Date:</dt>
                                                                      <?php
                                                                               foreach($personnel
                                                                                                      as
                    <dd><?php
                                echo
                                        $c
                                                        $p):?>
                                                                         <?php echo img(array("src" =>
complaintDate;?></dd>
                    <dt>Complaint Issue:</dt>
                                                        $p -> busPersonnelProfilePath, "class" => "img-
                                                                       center-block",
                                                                                          "style"
                    <dd><?php
                                echo
                                        $c
                                                        responsive
                                                                                                      =>
                                                         "width:192px;height:192px;border:3px
complaintIssue;?></dd>
                                                                                                   solid
                    <dt>Complaint Details:</dt>
                                                        black;"));?>
                    <br/>
                                                                         <dt>Personnel ID:</dt>
                    <dd><?php
                                                                         <dd><?php echo $bpID;?></dd>
                                echo
complaintDetails;?></dd>
                                                                         <dt>Name:</dt>
                 <?php endforeach;?>
                                                                         <dd><?php
                                                                                       echo
                                                                                                $p
                                                                                                       ->
             </dl>
                                                        busPersonnelLName
                                                                                                 $p
                                                                                                       ->
             <div class = "text-center">
                                                        busPersonnelFName
                                                                                                 $p
                                                                                                       ->
                <a href = ".." class =
                                            "btn
                                                        busPersonnelMName;?></dd>
btn-primary">Return to complaint List</a>
                                                                         <dt>SSN:</dt>
                                                                         <dd><?php
             </div>
                                                                                       echo
                                                                                                $p
                                                                                                       ->
          </div>
                                                        busPersonnelSSN;?></dd>
      </div>
                                                                         <dt>Address:</dt>
                                                                         <dd><?php
                                                                                       echo
                                                                                                $p
                                                                                                       ->
   </body>
                                                        busPersonnelAddress;?></dd>
</html>
                                                                         <dt>Birthday:</dt>
view personnel.php
                                                                         <dd><?php
                                                                                       echo
                                                                                                $₽
                                                        busPersonnelBDay;?></dd>
defined('BASEPATH') OR exit('No direct script
                                                                         <dt>Bus Company:</dt>
access allowed');
                                                                         <dd><?php
                                                                                       echo
                                                                                                $p
                                                                                                       ->
                                                        busCompanyName;?></dd>
<!DOCTYPE html>
                                                                         <dt>Personnel Type:</dt>
<html lang="en">
                                                                         <dd><?php
                                                                                       echo
                                                                                                       ->
   <head>
                                                        busPersonnelType;?></dd>
                                                                         <?php
                                                                                        if($p
                                                                                                       ->
                                                        busPersonnelType == 'Driver'):?>
                                rel="stylesheet"
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                             <dt>License No.:</dt>
3.3.5/css/bootstrap.min.css">
                                                                             <dd><?php
                                                                                         echo
                                                        licenseNo;?></dd>
      <script
                                                                             <dt>ExpirationDate:</dt>
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                             <dd><?php
                                                                                         echo
                                                                                                 $p
ry/1.11.3/jquery.min.js"></script>
                                                        expirationDate;?></dd>
                                                                         <?php endif;?>
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                                      <?php endforeach;?>
.3.5/js/bootstrap.min.js"></script>
                                                                  </dl>
                                                               </div>
      <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                            </body>
= device-width, initial-scale = 1">
                                                        </html>
                                                        view_report.php
      <style>
                                                        <?php
                                                        defined('BASEPATH') OR exit('No direct script
          .carousel-inner > .item > img,
          .carousel-inner > .item > a > img {
                                                        access allowed');
             width: 80%:
             margin: auto;
                                                        <!DOCTYPE html>
          }
                                                        <html lang="en">
                                                            <head>
          body {
             background-color: #D7D7D7;
                                                                                        rel="stylesheet"
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                        3.3.5/css/bootstrap.min.css">
          .dl-horizontal {
             font-size: 18;
                                                               <script
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
      </style>
                                                        ry/1.11.3/jquery.min.js"></script>
                                                               <script
      <title>Personnel Information</title>
                                                        src="http://maxcdn.bootstrapcdn.com/bootstrap/3
   </head>
                                                        .3.5/js/bootstrap.min.js"></script>
   <body>
      <div class = "container-fluid col-sm-6">
                                                               <meta charset = "utf-8">
```

```
<meta name = "viewport" content = "width</pre>
                                                                                     <?php echo $r
= device-width, initial-scale = 1">
                                                       -> totalTripCount;?>
                                                                                  <?php endforeach;?>
      <style>
         body {
                                                                           <?php endif;?>
             background-color: #D7D7D7;
                                                                        </div>
         #list {
             height: 85%;
                                                              </div>
                                                           </body>
             overflow: auto;
      </style>
                                                           <script>
      <title>View Report</title>
                                                           </script>
   </head>
                                                       </html>
   <body>
                                                       view_user.php
      <div class = "container">
         <h1 class = "text-center"><span class
                                                       defined('BASEPATH') OR exit('No direct script
 "glyphicon glyphicon-file"></span> Monthly
                                                       access allowed');
Report</h1>
         <h4 class = "text-center">
                                                       <!DOCTYPE html>
                 switch($report['rDate']
                                                        <html lang="en">
         <?php
                                                           <head>
reportMonth) {
            case 1: echo "Jan"; break;
case 2: echo "Feb"; break;
                                                              k
                                                                                       rel="stylesheet"
             case 3: echo "Mar"; break;
                                                       href="http://maxcdn.bootstrapcdn.com/bootstrap/
             case 4: echo "Apr"; break;
                                                       3.3.5/css/bootstrap.min.css">
            case 5: echo "May"; break; case 6: echo "Jun"; break; case 7: echo "Jul"; break;
                                                              <script
                                                       src="https://ajax.googleapis.com/ajax/libs/jque
             case 8: echo "Aug"; break;
                                                       ry/1.11.3/jquery.min.js"></script>
             case 9: echo "Sept"; break;
                                                              <script
             case 10: echo "Oct"; break;
                                                       src="http://maxcdn.bootstrapcdn.com/bootstrap/3
            case 11: echo "Nov"; break; case 12: echo "Dec"; break;
                                                        .3.5/js/bootstrap.min.js"></script>
                                                              <meta charset = "utf-8">
                                                              <meta name = "viewport" content = "width</pre>
         ?>
                                                       = device-width, initial-scale = 1">
                         $report['rDate']
         <?php
                  echo
reportYear?>
                                                              <style>
         </h4>
                                                                  .carousel-inner > .item > img,
                                                                  .carousel-inner > .item > a > img {
         <br/>
                                                                    width: 80%;
         <div class = "table-responsive">
                                                                    margin: auto;
             <table class = "table table-
hover" id = "rlist">
                <thead>
                                                                 body {
                                                                    background-color: #D7D7D7;
                   (tr>
                       Route From
                       Route To
                       Average
                                         Travel
                                                                  .dl-horizontal {
Time
                                                                     font-size: 18;
                       Total
                                             of
                                     No.
Trips
                                                              </style>
                   </thead>
                                                              <title>User Information</title>
                </head>
                   <?php
                                                           <body>
                                                              <div class = "container-fluid col-sm-6">
if($report['reportLines'] != null):?>
                                                                  <h1 class = "text-center"><span class
                       <?php
foreach($report['reportLines'] as $r):?>
                                                            "glyphicon glyphicon-user"></span>
                                                       Information</h1>
                                                                 <dl class = "dl-horizontal">
                             <?php echo $r
-> routeFrom;?>
                                                                     <dt>User ID:</dt>
                             <?php echo $r
                                                                     <dd><?php
                                                                                  echo
                                                                                           $user
                                                                                                     ->
-> routeTo;?>
                                                       userID;?></dd>
                             <?php echo $r
                                                                     <dt>Username:</dt>
-> averageTravelTime;?>
```

```
<dd><?php
                          echo
                                                            <?php endif;?>
                                  $user
                                                               <h1 class = "text-center"><span class
uName;?></dd>
                                                          "glyphicon glyphicon-bed"></span>
            <dt>User Type:</dt>
            <dd>
                                                      List</h1>
                <?php if($user -> uType ==
                                                               <div id = "notice"></div>
"sAdmin"):?>
                                                               <?php if(isset($usertype)): ?>
                                                                               if($usertype
                                                                  <?php
                   System Administrator
                                                                                                  ==
                                                      'sAdmin'):?>
                <?php else:?>
                                                                      <div class = "text-center">
                   Bus Terminal Administrator
                   <dt>Bus Terminal:</dt>
                                                                         <a href = "#" onClick =
                                                                                "btn btn-primary
                                                      "add()"
                   <dd><?php echo $user ->
                                                                 class
                                                                          =
stopPointName;?></dd>
                                                      headButton"><span class = "glyphicon glyphicon-
                <?php endif;?>
                                                      plus"></span> Add Bus</a>
            </dd>
                                                                         <a href = "buses/busMap"</pre>
         </dl>
                                                      class = "btn btn-primary headButton"><span</pre>
                                                                                          glyphicon-
      </div>
                                                                         "glyphicon
                                                      class
                                                      screenshot"></span> Bus Map</a>
   </body>
                                                                     </div>
</html>
                                                                  <?php
                                                                             elseif($usertype
                                                      'btAdmin'):?>
viewall buses.php
                                                                      <div class = "text-center">
     <a href = "buses/busMap"</pre>
<?php
defined('BASEPATH') OR exit('No direct script
                                                               "btn btn-primary headButton"><span
access allowed');
                                                      class =
                                                      class
                                                                         glyphicon
                                                                                          glyphicon-
<!DOCTYPE html>
                                                      screenshot"></span> Bus Map</a>
<html lang="en">
                                                                      </div>
   <head>
                                                                  <?php endif;?>
                                                               <?php endif;?>
      link
                              rel="stylesheet"
                                                               <?php if($isAdmin):?>
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                  <div class = "table-responsive">
3.3.5/css/bootstrap.min.css">
                                                               <?php else:?>
                                                                  <div class = "table-responsive</pre>
      <script
                                                      col-sm-offset-4 col-sm-4 text-center">
src="https://ajax.googleapis.com/ajax/libs/jque
                                                               <?php endif;?>
ry/1.11.3/jquery.min.js"></script>
                                                                   <table class = "table table-
                                                      hover">
      <scrint
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                                      <thead>
.3.5/js/bootstrap.min.js"></script>
                                                                         <script
                                                                            <?php if($isAdmin):?>
src="http://maps.googleapis.com/maps/api/js">
                                                                                Bus
                                                                                             Company
script>
                                                      Name
                                                                            <?php endif;?>
      <meta charset = "utf-8">
                                                                            Plate #
      <meta name = "viewport" content = "width</pre>
                                                                            <?php if($isAdmin):?>
= device-width, initial-scale = 1">
                                                                               <?php
      <style>
                                                      elseif($bTerminalID != null):?>
         body {
                                                                               background-color: #D7D7D7;
                                                                            <?php endif;?>
                                                                         #list {
                                                                      </thead>
            height: 85%;
                                                                      overflow: auto;
                                                                                 foreach($buses
                                                                         <?php
                                                      $b):?>
                                                                            $b -> busPlateNo;?>" class="<?php echo (($b ->
         .headButton {
            width: 300px;
                                                      busAvailable && !($b -> busSuspended)) ? "info"
                                                      : "danger");?>">
      </style>
                                                                                <?php
                                                      if($isAdmin):?>
      <title>Buses</title>
                                                                                   <?php echo $b
   </head>
                                                      -> busCompanyName;?>
   <body>
                                                                                <?php endif;?>
      <?php if($isAdmin):?>
                                                                               <?php echo $b ->
         <div class = "container col-sm-6" id</pre>
                                                      busPlateNo;?>
= "list">
                                                                               <?php
      <?php else:?>
                                                      if($isAdmin):?>
         <div class = "container" id = "list">
```

```
<a href = "#"
                                                                                <button
         = "set('<?php</pre>
                              echo
                                    $b
                                                      type="button"
                                                                           class="close"
                                                                                                data-
busPlateNo;?>')" class = "btn btn-primary" id =
                                                      dismiss="modal">×</button>
"link<?php echo $b -> busPlateNo;?>" data-
toggle = "modal" data-target = "#<?php echo
                                                                                <h4
                                                                                        class="modal-
                                                      title">Reinstate Bus</h4>
                                     .
"s"
              busSuspended)
                                ?
                                                                             </div>
"r");?>confirm"><?php
                                 (!($b
                                                                             <div class="modal-body">
                       echo
                               "Reinstate");?>
busSuspended) ? "Suspend" :
                                                                                Are you sure you
                                                      want to reinstate this bus?
Bus</a>
                             <a href = "#"
                                                                             </div>
               "set('<?php
                                                                                        class="modal-
                              echo
                                                                             <div
onClick
         =
                                    $b ->
busPlateNo;?>')" class =
                            "btn btn-primary"
                                                      footer">
                   "modal"
data-toggle =
                              data-target
                                                                                <button onClick =
                                                       "reinstate();" type="button" class="btn btn-
"#dconfirm">Delete Bus</a>
                                                      default" data-dismiss="modal">Yes</button>
                          <?php
elseif($bTerminalID != null):?>
                                                                                <button
                                                      type="button" class="btn btn-default" data-
                             <a href = "#"
               "setA('<?php
                              echo $b
                                          ->
                                                      dismiss="modal">No</button>
onClick
busPlateNo;?>',<?php echo ($b -> busAvailable)
? '\'a\'' : '\'u\'';?>)" class = "btn btn-
                                                                             </div>
                                                                          </div>
primary">Available / Unavailable</a>
                                                                       </div>
                                                                   </div>
                         <?php endif;?>
                      <div id = "dconfirm" class =
                   <?php endforeach;?>
                "modal fade" role = "dialog">
             <div class
                                                                                        "modal-dialog
         </div>
                                                      modal-sm">
                                                                          <div
                                                                                 class
                                                                                              "modal-
         <?php if($isAdmin):?>
                                                      content">
             <div id = "sconfirm" class =
                                                                             <div
                                                                                        class="modal-
"modal fade" role = "dialog">
                                                      header">
                <div class
                                 "modal-dialog
                                                                                <button
                                                      type="button"
modal-sm">
                                                                           class="close'
                                                                                                data-
                   <div
                          class
                                        "modal-
                                                      dismiss="modal">×</button>
content">
                                                                                <h4
                                                                                        class="modal-
                      <div
                                 class="modal-
                                                      title">Delete Bus</h4>
header">
                                                                             </div>
                          <button
                                                                             <div class="modal-body">
type="button"
                    class="close"
                                         data-
                                                                                Are you sure you
dismiss="modal">×</button>
                                                      want to delete this record?
                                 class="modal-
                                                                             </div>
title">Suspend Bus</h4>
                                                                             /div
                                                                                        class="modal-
                      </div>
                                                      footer">
                      <div class="modal-body">
                                                                                <button
                                                                                         onClick =
                                                      "del();" type="button" class="btn btn-default"
                         Are you sure you
want to suspend this bus?
                                                      data-dismiss="modal">Yes</button>
                      </div>
                                                                                <button
                      <div
                                 class="modal-
                                                      type="button" class="btn btn-default"
footer">
                                                      dismiss="modal">No</button>
                          <button onClick =
                                                                             </div>
"suspend();" type="button" class="btn btn-
                                                                          </div>
default" data-dismiss="modal">Yes</button>
                                                                       </div>
                                                                   </div>
                          <button
type="button" class="btn btn-default" data-
                                                                <?php endif;?>
dismiss="modal">No</button>
                      </div>
                                                             </div>
                   </div>
                </div>
                                                             <?php if($isAdmin):?>
             </div>
                                                                <div id = "side">
                                                                </div>
             <div id = "rconfirm" class =
                                                             <?php endif;?>
"modal fade" role = "dialog">
                                                         </body>
                <div class
                                 "modal-dialog
                                                          <?php if($isAdmin):?>
modal-sm">
                   <div
                                                             <script>
                                       "modal-
                          class
content">
                                                                var buses = [];
                                                                var b = [];
                      <div
                                 class="modal-
header">
                                                                var repeat;
                                                                var idToEdit;
```

```
function del() {
          function set(id) {
                                                                      if (window.XMLHttpRequest) {
             idToEdit = id;
                                                                         xmlhttp=new XMLHttpRequest();
                                                                      else {
          <?php foreach($busData as $b):?>
                                                                         xmlhttp=new
             buses.push("<?php</pre>
                                                        ActiveXObject("Microsoft.XMLHTTP");
                                 echo
                                              ->
busPlateNo;?>");
          <?php endforeach;?>
                                                            xmlhttp.onreadystatechange=function() {
          <?php foreach($buses as $b):?>
                                                                              (xmlhttp.readyState==4
                                                                         if
             b.push("<?php</pre>
                               echo
                                                         xmlhttp.status==200) {
busPlateNo;?>");
                                                                             resp
          <?php endforeach;?>
                                                         xmlhttp.responseText;
                                                                             if(resp == "Success") {
          function suspend() {
             if (window.XMLHttpRequest) {
                                                            b.splice(b.indexOf(idToEdit),1);
                xmlhttp=new XMLHttpRequest();
                                                                                          trToDe1
                                                                                var
                                                         document.getElementById("tr"+idToEdit);
             else {
                xmlhttp=new
                                                            trToDel.parentNode.removeChild(trToDel);
ActiveXObject("Microsoft.XMLHTTP");
                                                            document.getElementById("notice").className
                                                          "alert alert-success";
   xmlhttp.onreadystatechange=function() {
                if
                     (xmlhttp.readyState==4
                                              &&
                                                            document.getElementById("notice").innerHTML
xmlhttp.status==200) {
                                                         = "Bus Deleted.";
                    resp
xmlhttp.responseText;
                                                                             else {
                    if(resp == "Success") {
                                                            document.getElementById("notice").className
   document.getElementById("notice").className
                                                        = "alert alert-danger";
= "alert alert-success";
                                                            document.getElementById("notice").innerHTML
   document.getElementById("notice").innerHTML
                                                         = "ERROR.";
= "Bus Suspended.";
   document.getElementById("tr"+idToEdit).clas
sName = "danger";
                                                                      var param = "id="+idToEdit;
   document.getElementById("link"+idToEdit).se
                                                            xmlhttp.open("POST","buses/deleteBus",true)
tAttribute('data-target', '#rconfirm');
   document.getElementById("link"+idToEdit).in
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
nerHTML = "Reinstate Bus";
                                                            xmlhttp.setRequestHeader("Content-type",
                                                         "application/x-www-form-urlencoded");
                    else {
                                                                      xmlhttp.send(param);
   document.getElementById("notice").className
                                                                  }
= "alert alert-danger";
                                                                   function reinstate() {
   document.getElementById("notice").innerHTML
                                                                      if (window.XMLHttpRequest) {
= "ERROR.";
                                                                         xmlhttp=new XMLHttpRequest();
                                                                      else {
                }
             }
                                                                         xm1httn=new
                                                        ActiveXObject("Microsoft.XMLHTTP");
             var
"id="+idToEdit+"&status=Suspended";
   xmlhttp.open("POST", "buses/setStatus", true)
                                                            xmlhttp.onreadystatechange=function() {
                                                                         if
                                                                             (xmlhttp.readyState==4
                                                                                                       &&
;
                                                         xmlhttp.status==200)
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                             resp
                                                         xmlhttp.responseText;
   xmlhttp.setRequestHeader("Content-type",
                                                                            if(resp == "Success") {
"application/x-www-form-urlencoded");
             xmlhttp.send(param);
                                                            document.getElementById("notice").className
                                                        = "alert alert-success";
```

```
var
                                                                                        bpNo
   document.getElementById("notice").innerHTML
                                                        document.getElementById("bpNo").value;
 "Bus Reinstated.";
                                                                                   busCompanyID
                                                                         var
                                                        document.getElementById("busCompanyID").value;
   document.getElementById("tr"+idToEdit).clas
                                                                         if (window.XMLHttpRequest) {
sName = "info";
                                                                            xmlhttp=new
                                                        XMLHttpRequest();
   document.getElementById("link"+idToEdit).se
tAttribute('data-target', '#sconfirm');
                                                                         else {
                                                                            xmlhttp=new
   document.getElementById("link"+idToEdit).in
                                                        ActiveXObject("Microsoft.XMLHTTP");
nerHTML = "Suspend Bus";
                    else {
                                                            xmlhttp.onreadystatechange=function() {
                                                                                  (xmlhttp.readyState==4
                                                                            if
   document.getElementById("notice").className
                                                        && xmlhttp.status==200) {
= "alert alert-danger";
                                                                                resp
                                                        xmlhttp.responseText;
   document.getElementById("notice").innerHTML
                                                                                if(resp == "Success") {
 "ERROR.";
                                                            document.getElementById("n").className
                                                         "alert alert-success";
             }
                                                            document.getElementById("n").innerHTML
             var
                                                        "Bus Added. Refreshing Page";
"id="+idToEdit+"&status=Active";
                                                                                   location.reload();
   xmlhttp.open("POST", "buses/setStatus", true)
                                                                                else {
;
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
                                                            document.getElementById("n").className
                                                         "alert alert-danger";
   xmlhttp.setRequestHeader("Content-type",
"application/x-www-form-urlencoded");
                                                            document.getElementById("n").innerHTML
             xmlhttp.send(param);
                                                         "ERROR";
          function add() {
             if (window.XMLHttpRequest) {
                                                                         var
                                                                                       naram
                                                         "bpNo="+bpNo+"&busCompanyID="+busCompanyID;
                xmlhttp=new XMLHttpRequest();
                                                            xmlhttp.open("POST","buses/ab",true);
             else {
                xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                            xmlhttp.setRequestHeader("Content-type",
   xmlhttp.onreadystatechange=function() {
                                                         "application/x-www-form-urlencoded");
                    (xmlhttp.readyState==4
                                                                         xmlhttp.send(param);
                if
xmlhttp.status==200) {
                                                                     else if(!repeat){
                    resp
xmlhttp.responseText;
                                                            document.getElementById("n").className
   document.getElementById("side").innerHTML =
                                                         "alert alert-danger";
resp;
                                                            document.getElementById("n").innerHTML
             }
                                                         "Bus is not yet registered";
                                                                     }
                                                                      else {
   xmlhttp.open("GET","buses/addBus", true);
                                                            document.getElementById("n").className
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                        "alert alert-danger";
             xmlhttp.send();
                                                            document.getElementById("n").innerHTML
                                                         "There is an existing record in the database.";
          function addBus() {
                                                                     }
                             bpNo
                                                                  }
             var
document.getElementById("bpNo").value;
                                                                  function check() {
   if(document.getElementById("validator").inn
erHTML == "") {
                                                        document.getElementById("bpNo").value;
```

```
var existing = false;
                                                                    else
             repeat = false;
                                                                        param
             for(var i = 0; i < b.length; i++)</pre>
                                                       "id="+bpno+"&available=true";
{
                if(pNo == b[i]) {
                                                          xmlhttp.open("POST", "buses/setStatusA", true
                   repeat = true;
                                                       );
                   break;
                                                           xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                          xmlhttp.setRequestHeader("Content-type",
             for(var i = 0; i < buses.length;</pre>
i++) {
                                                       "application/x-www-form-urlencoded");
                if(buses[i] == pNo) {
                                                                    xmlhttp.send(param);
                   existing = true;
                                                              </script>
                   break:
                }
                                                          <?php endif;?>
             }
                                                       </html>
   document.getElementById("validator").innerH
                                                       viewall_companies.php
TML = "";
                                                       <?php
             if(!existing)
                                                       defined('BASEPATH') OR exit('No direct script
                                                       access allowed');
   document.getElementById("validator").innerH
                                                       <!DOCTYPE html>
TML += "The plate number is not yet
registered.<br>";
                                                       <html lang="en">
             if(repeat)
                                                          <head>
   document.getElementById("validator").innerH
                                                                                      rel="stylesheet"
TML += "Plate number is already stored in the
                                                       href="http://maxcdn.bootstrapcdn.com/bootstrap/
database.";
                                                       3.3.5/css/bootstrap.min.css">
      </script>
                                                              <script
   <?php elseif($bTerminalID != null):?>
                                                       src="https://ajax.googleapis.com/ajax/libs/jque
      <script>
                                                       ry/1.11.3/jquery.min.js"></script>
         function setA(bpno,av) {
                                                              <script
             if (window.XMLHttpRequest) {
                                                       src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                xmlhttp=new XMLHttpRequest();
                                                       .3.5/js/bootstrap.min.js"></script>
                                                              <meta charset = "utf-8">
             else {
                                                       <meta name = "viewport" content = "width
= device-width, initial-scale = 1">
                xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                              <style>
   xmlhttp.onreadystatechange=function() {
                                                                 body {
                if (xmlhttp.readyState==4
                                            &&
                                                                    background-color: #D7D7D7;
xmlhttp.status==200) {
                                                                 }
                   resp
xmlhttp.responseText;
                                                                 #list {
                   if(resp == "Success") {
                                                                    height: 85%;
                       location.reload();
                                                                    overflow: auto;
                                                              </style>
                   else {
                                                              <title>Bus Companies</title>
   document.getElementById("notice").className
= "alert alert-danger";
                                                          </head>
                      if(resp == "Fail")
                                                           <body>
                                                                 <div class =
                                                                                  "container col-md-
                                                       offset-3 col-md-6" id = "list">
   document.getElementById("notice").innerHTML
                                                                 <h1 class = "text-center"><span class
= "ERROR.";
                       else
                                                       = "glyphicon glyphicon-briefcase"></span> Bus
                                                       Companies List</h1>
   document.getElementById("notice").innerHTML
                                                                 <div id = "notice"></div>
                                                                 <?php if(isset($usertype)): ?>
= resp;
                                                                    <?php
                                                                                 if($usertype
                   }
                                                       'sAdmin'):?>
                }
                                                       }
             var param;
             if(av == 'a')
                                                       data-target = "#addCompany"><span class =</pre>
                param
                                                       "glyphicon glyphicon-plus"></span> Add Bus
"id="+bpno+"&available=false";
                                                       Company </a>
```

```
<?php endif;?>
                                                                      <?php endif;?>
                                                                   <div class = "table-responsive">
                                                               </div>
            <table class = "table table-
                                                               <div id = "addCompany" class = "modal
hover">
                                                      fade" role = "dialog">
                <thead>
                                                                  <div class = "modal-dialog modal-</pre>
                   Bus
                                       Company
                                                      lg">
                                                                      <div class = "modal-content">
Name
                      <?php
                                                                         <div class="modal-header">
                                                                                       type="button"
if(isset($usertype)): ?>
                                                                            <button
                         <?php
                                  if($usertype
                                                      class="close"
                                                                                               data-
== 'sAdmin'):?>
                                                      dismiss="modal">×</button>
                            class="modal-
                                                                            <h4
                             title">Add Bus Company</h4>
                             </div>
                          <?php endif;?>
                                                                         <?php
                                                                                                echo
                      <?php endif;?>
                                                      validation_errors();?>
                   <form
                                                                                 class
                                                                                              "form-
                </thead>
                                                      horizontal" role = 'form' onSubmit = 'add();
                return false;'>
                   <?php foreach($busCompanies</pre>
                                                                         <div class="modal-body">
as $b): ?>
                                                                            <div id = "n"></div>
                                 if($b
                      <?php
                                                                            <br/>
busCompanyStatus == 'Active'):?>
                                                                               <div class = "form-
                         <tr id = "tr<?php
                                                      group">
echo $b -> busCompanyID;?>" class = 'success'>
                                                                                   <label
                                                                                            for
                      <?php else:?>
                                                      "bcName" class = "control-label col-sm-4">Bus
                                                      Company Name <span id = 'notif'></span></label>
                         <tr id = "tr<?php
echo $b -> busCompanyID;?>" class = 'danger'>
                                                                                  <div
                                                      "col-sm-5">
                      <?php endif;?>
                         <a
                                                                                     <input onKeyUp</pre>
                                                      = "checkAvailability();" type = "text" size =
"#"><?php echo $b -> busCompanyName;?></a>
                                                      "20" id = "bcName" name = "bcName" class =
                         <?php
                                                      "form-control" required autofocus>
if(isset($usertype)): ?>
                            <?php
                                                                                  </div>
if($usertype == 'sAdmin'):?>
                                                                               </div>
                                <a href =
                                                                               <span
                                                                                         class
                                                      "glyphicon" style = "content: \e247;"></span>
"#" onClick = "setEdit(<?php echo $b ->
busCompanyID;?>)" class = data-toggle = "modal"
                            "btn btn-primary"
                                                                         </div>
                                                                         <div class="modal-footer">
                             data-target
"#editCompany"><span
                      class
                                    "glyphicon
                                                                            <button type = "submit"</pre>
                              =
glyphicon-edit"></span> Update Record</a>
                                                      class
                                                                    "btn
                                                                             btn-primary">Add
                                <?php if($b ->
                                                      Company</button>
busCompanyStatus == 'Active'):?>
                                                                         </div>
                                   <a href
                                                                         </form>
= "#" onClick = "setEdit(<?php echo $b ->
                                                                      </div>
busCompanyID;?>)" class = "btn btn-primary" data-toggle = "modal" data-target =
                                                                   </div>
                                                               </div>
"#sconfirm"><span class = "glyphicon glyphicon-
                                                               <div id = "editCompany" class =
ban-circle"></span> Suspend</a>
                                                      <?php else:?>
                                   <a href
= "#" onClick = "setEdit(<?php echo $b ->
                                                      1g">
busCompanyID;?>)" class = "btn btn-primary"
data-toggle = "modal" data-target =
                                                                      <div class = "modal-content">
data-toggle
                   "modal"
                             data-target =
                                                                         <div class="modal-header">
"#rconfirm"><span class = "glyphicon glyphicon-
                                                                            <button
                                                                                       type="button"
ok-circle"></span> Reinstate</a>
                                                      class="close"
                                                                                               data-
                                <?php endif;?>
                                                      dismiss="modal">×</button>
                                <a href =
                                                                                       class="modal-
                                                                            ∠h4
"#" onClick = "setEdit(<?php echo $b ->
busCompanyID;?>)" class = "btn btn-primary"
                                                      title">Edit Bus Company</h4>
                                                                         </div>
data-toggle
                   "modal"
                             data-target
            =
                                                                         <?php
                                                                                                echo
"#dconfirm"><span class = "glyphicon glyphicon-
                                                      validation_errors();?>
minus"></span> Delete Record</a>
                                                                                              "form-
                                                                         <form
                                                                                 class
                            <?php endif;?>
                                                      horizontal" role = 'form' onSubmit = 'edit();
                                                      return false;'>
                         <?php endif;?>
                      <div class="modal-body">
                   <?php endforeach;?>
                                                                            <div id = "en"></div>
```

```
<br/>
                                                                              Are you sure you want
                          <div class = "form-
                                                       to suspend this company?
group">
                                                                           </div>
                              <label
                                       for
                                                                           <div class="modal-footer">
"EbcName" class = "control-label col-sm-4">Bus
                                                                              <button onClick
                                                        "suspend();" type="button" class="btn btn-
Company
             Name
                                     id
                         <span
'Enotif'></span></label>
                                                       default" data-dismiss="modal">Yes</button>
                              <div
                                     class
                                                                               <button
                                                                                         type="button"
                                                                           btn-default"
"col-sm-5">
                                                       class="btn
                                                                                                  data-
                                 <input onKeyUp</pre>
                                                       dismiss="modal">No</button>
= "EcheckAvailability();" type = "text" size =
                                                                           </div>
"20" id = "EbcName" name = "EbcName" class =
                                                                        </div>
                                                                     </div>
"form-control" required autofocus>
                             </div>
                                                                 </div>
                          </div>
                                                                 <div id = "rconfirm" class = "modal
                          <span
                                    class
"glyphicon" style = "content: \e247;"></span>
                                                       fade" role = "dialog">
                   </div>
                                                                     <div class = "modal-dialog modal-</pre>
                    <div class="modal-footer">
                                                        sm">
                       <button type = "submit"</pre>
                                                                        <div class = "modal-content">
                       btn-primary">Edit
                                                                           <div class="modal-header">
class
              "btn
                                                                                          type="button"
Company</button>
                                                                               <button
                                                       class="close"
                    </div>
                                                                                                  data-
                    </form>
                                                       dismiss="modal">×</button>
                </div>
                                                                               <h4
                                                                                          class="modal-
             </div>
                                                       title">Reinstate Bus Company</h4>
          </div>
                                                                           </div>
                                                                           <div class="modal-body">
          <div id = "dconfirm" class = "modal
                                                                              Are you sure you want
fade" role = "dialog">
                                                       to reinstate this company?
             <div class = "modal-dialog modal-</pre>
                                                                           </div>
sm">
                                                                           <div class="modal-footer">
                <div class = "modal-content">
                                                                               <button
                                                                                          onClick
                    <div class="modal-header">
                                                        "reinstate();" type="button" class="btn btn-
                                  type="button"
                                                       default" data-dismiss="modal">Yes</button>
                       <button
class="close"
                                          data-
                                                                                         type="button"
                                                                              <hutton
                                                                           btn-default"
dismiss="modal">×</button>
                                                        class="btn
                       <h4
                                  class="modal-
                                                       dismiss="modal">No</button>
title">Delete Bus Company</h4>
                                                                           </div>
                                                                        </div>
                    </div>
                   <div class="modal-body">
                                                                     </div>
                                                                 </div>
                       Are you sure you want
to delete this company?
                                                              </div>
                    </div>
                    <div class="modal-footer">
                                                           </body>
                       <button
                                  onClick
"del();" type="button" class="btn btn-default"
                                                           <script>
data-dismiss="modal">Yes</button>
                                                              var xmlhttp;
                                  type="button"
                       <button
                                                              var resp;
class="btn
                    btn-default"
                                          data-
dismiss="modal">No</button>
                                                              var idToEdit;
                    </div>
                </div>
                                                              function setEdit(id) {
             </div>
                                                                 idToEdit = id;
          </div>
                                                           document.getElementById("EbcName").value =
          <div id = "sconfirm" class = "modal
fade" role = "dialog">
             <div class = "modal-dialog modal-</pre>
                                                           document.getElementById("Enotif").className
sm">
                <div class = "modal-content">
                    <div class="modal-header">
                                                           document.getElementById("en").innerHTML
                                  type="button"
                       <button
class="close"
                                          data-
dismiss="modal">×</button>
                                                           document.getElementById("en").className
                       <h4
                                  class="modal-
title">Suspend Bus Company</h4>
                                                              }
                    </div>
                                                              function checkAvailability() {
                   <div class="modal-body">
```

```
var
                                                                            (xmlhttp.readyState==4
                           name
document.getElementById("bcName").value;
                                                        xmlhttp.status==200) {
          if(name != "")
                                                                         resp = xmlhttp.responseText;
                                                                         if(resp == "Success") {
             ca();
          else
                                                                            location.reload();
   document.getElementById("notif").className
                                                                  }
                                                                  var
                                                        "id="+idToEdit+"&status=Suspended";
      function EcheckAvailability() {
                                                           xmlhttp.open("POST","buscompanies/setStatus
          var
                           name
document.getElementById("EbcName").value;
                                                        ",true);
         if(name != "")
             eca();
                                                           xmlhttp.setRequestHeader("ajaxOnly","yes");
          else
                                                                  xmlhttp.setRequestHeader("Content-
                                                        type", "application/x-www-form-urlencoded");
   document.getElementById("Enotif").className
                                                                  xmlhttp.send(param);
                                                               }
      }
                                                               function del() {
      function eca() {
                                                                  if (window.XMLHttpRequest) {
                                                                     xmlhttp=new XMLHttpRequest();
          var
                            name
document.getElementById("EbcName").value;
          if (window.XMLHttpRequest) {
                                                                  else {
             xmlhttp=new XMLHttpRequest();
                                                                      xmlhttp=new
                                                        ActiveXObject("Microsoft.XMLHTTP");
             xmlhttp=new
                                                                  xmlhttp.onreadystatechange=function()
ActiveXObject("Microsoft.XMLHTTP");
                                                        {
                                                                            (xmlhttp.readyState==4
          xmlhttp.onreadystatechange=function()
                                                        xmlhttp.status==200) {
                                                                         resp = xmlhttp.responseText;
             if
                                                                         if(resp == "Success") {
                   (xmlhttp.readyState==4
xmlhttp.status==200) {
                                                                            location.reload();
                resp = xmlhttp.responseText;
                if(resp == "Available")
                                                                     }
                                                                  }
   document.getElementById("Enotif").className
                                                                  var param = "id="+idToEdit;
= "glyphicon glyphicon-ok-sign text-success";
                                                           xmlhttp.open("POST","buscompanies/deleteCom
                else
                                                        pany",true);
   document.getElementById("Enotif").className
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
    "glyphicon
                 glyphicon-remove-sign
danger";
                                                                  xmlhttp.setRequestHeader("Content-
                                                               "application/x-www-form-urlencoded");
                                                                  xmlhttp.send(param);
          }
          var param = "bcName="+name;
                                                               }
   xmlhttp.open("POST", "buscompanies/check", tr
                                                               function reinstate() {
ue);
                                                                  if (window.XMLHttpRequest) {
                                                                      xmlhttp=new XMLHttpRequest();
   xmlhttp.setRequestHeader("ajaxOnly","yes");
         xmlhttp.setRequestHeader("Content-
                                                                  else {
type", "application/x-www-form-urlencoded");
                                                                      xmlhttp=new
          xmlhttp.send(param);
                                                        ActiveXObject("Microsoft.XMLHTTP");
      }
                                                                  xmlhttp.onreadystatechange=function()
      function suspend() {
                                                        {
          if (window.XMLHttpRequest) {
                                                                            (xmlhttp.readyState==4
                                                                     if
             xmlhttp=new XMLHttpRequest();
                                                        xmlhttp.status==200) {
                                                                         resp = xmlhttp.responseText;
         else {
                                                                         if(resp == "Success") {
             xmlhttp=new
                                                                            location.reload();
ActiveXObject("Microsoft.XMLHTTP");
          xmlhttp.onreadystatechange=function()
                                                                  }
{
                                                                  var
                                                        "id="+idToEdit+"&status=Active";
```

```
}
   xmlhttp.open("POST", "buscompanies/setStatus
                                                               }
",true);
                                                               function edit() {
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                           \verb|if(document.getElementById("Enotif").classN||\\
          xmlhttp.setRequestHeader("Content-
       "application/x-www-form-urlencoded");
                                                        ame == "glyphicon glyphicon-ok-sign text-
          xmlhttp.send(param);
                                                        success") {
      }
                                                           document.getElementById("en").className
      function ca() {
                           name
         var
document.getElementById("bcName").value;
                                                            document.getElementById("en").innerHTML
         if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                                      editCompany();
                                                                  }
                                                                  else
                                                                                                      if
                                                        (document.getElementById("Enotif").className ==
             xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                         "glyphicon glyphicon-remove-sign text-danger"){
                                                            document.getElementById("en").className
          xmlhttp.onreadystatechange=function()
                                                        "alert alert-danger";
                   (xmlhttp.readyState==4
xmlhttp.status==200) {
                                                           document.getElementById("en").innerHTML
                resp = xmlhttp.responseText;
                                                         "Bus Company Name exists.";
                if(resp == "Available")
                                                                  }
                                                               }
   document.getElementById("notif").className
= "glyphicon glyphicon-ok-sign text-success";
                                                               function addCompany() {
                                                                  var
                                                        document.getElementById("bcName").value;
   document.getElementById("notif").className
                                                                  if (window.XMLHttpRequest) {
    "glyphicon
                  glyphicon-remove-sign
                                                                      xmlhttp=new XMLHttpRequest();
danger";
                                                                  }
                                                                     xmlhttp=new
          var param = "bcName="+name;
                                                        ActiveXObject("Microsoft.XMLHTTP");
   xmlhttp.open("POST", "buscompanies/check", tr
                                                                  xmlhttp.onreadystatechange=function()
ue);
                                                                            (xmlhttp.readyState==4
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                        xmlhttp.status==200) {
                                                                         resp = xmlhttp.responseText;
         xmlhttp.setRequestHeader("Content-
type", "application/x-www-form-urlencoded");
                                                                         if(resp == "Success") {
          xmlhttp.send(param);
                                                            document.getElementById("n").className
                                                        "alert alert-success";
      function add() {
                                                           document.getElementById("n").innerHTML
   if(document.getElementById("notif").classNa
                                                        "Bus Company Added. Refreshing Page";
   == "glyphicon glyphicon-ok-sign text-
me
                                                                            location.reload();
success") {
                                                                         else {
   {\tt document.getElementById("n").className}
                                                            document.getElementById("n").className
                                                        "alert alert-danger";
   document.getElementById("n").innerHTML
                                                           document.getElementById("n").innerHTML
             addCompany();
                                                        "ERROR";
         else
                                              if
                                                                     }
(document.getElementById("notif").className
"glyphicon glyphicon-remove-sign text-danger"){
                                                                  var param = "bcName="+name;
                                                           xmlhttp.open("POST","buscompanies/add",true
   document.getElementById("n").className
"alert alert-danger";
   document.getElementById("n").innerHTML
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
"Bus Company Name exists.";
```

```
xmlhttp.setRequestHeader("Content-
                                                          <script
type", "application/x-www-form-urlencoded");
                                                    src="http://maxcdn.bootstrapcdn.com/bootstrap/3
         xmlhttp.send(param);
                                                    .3.5/js/bootstrap.min.js"></script>
                                                          <meta charset = "utf-8">
                                                          <meta name = "viewport" content = "width
      function editCompany() {
                                                    = device-width, initial-scale = 1">
         var
                         name
document.getElementById("EbcName").value;
         if (window.XMLHttpRequest) {
                                                          <style>
            xmlhttp=new XMLHttpRequest();
                                                             body {
                                                                background-color: #D7D7D7;
         else {
            xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                             #list {
                                                                height: 85%;
         xmlhttp.onreadystatechange=function()
                                                                overflow: auto;
{
            if
                 (xmlhttp.readyState==4
                                                          </style>
xmlhttp.status==200) {
               resp = xmlhttp.responseText;
                                                          <title>Complaints</title>
               if(resp == "Success") {
                                                       </head>
                                                       <body>
   document.getElementById("en").className
                                                          <div class = "container">
"alert alert-success";
                                                              <h1 class = "text-center"><span class
                                                    = "glyphicon glyphicon-file"></span> Complaints
   document.getElementById("en").innerHTML
                                                    List</h1>
                                                             <div id = "notice"></div>
"Bus Company Updated. Refreshing Page";
                  location.reload();
                                                             <div class = "table-responsive">
                                                                                           "text-
               else {
                                                                <h3
                                                                         class
                                                    center">Complaints</h3>
   document.getElementById("en").className
                                                                <table class
                                                                                  "table table-
                                                    hover" id = "clist">
"alert alert-danger";
                                                                    <thead>
   document.getElementById("en").innerHTML
"ERROR";
                                                                          ID
                                                                          Sender
            }
                                                                          Complaint Issue
         }
                                                                          Complaint Date
                                                                       var
                         param
"id="+idToEdit+"&bcName="+name;
                                                                    </thead>
                                                                    xmlhttp.open("POST", "buscompanies/edit", tru
                                                                       <?php
                                                                             if($complaints
                                                                                               !=
e);
                                                    null):?>
                                                                          <?php
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                    foreach($complaints as $c):?>
        xmlhttp.setRequestHeader("Content-
                                                                                     onClick
                                                                             <tr
                                                                                                =
type", "application/x-www-form-urlencoded");
                                                    "setComplaintInfo(<?php
                                                                               echo
                                                                                        $c
                                                    complaintID;?>);">
        xmlhttp.send(param);
                                                                             <?php echo $c ->
      }
   </script>
                                                    </html>
                                                                             <?php echo ($c -
                                                                                 "")?
viewall_complaints.php
                                                         complaintSender
                                                                           ! =
                                                                                         $c
                                                    complaintSender: "Anonymous";?>
defined('BASEPATH') OR exit('No direct script
                                                                             <?php echo $c ->
access allowed');
                                                    <?php echo $c ->
<!DOCTYPE html>
                                                    <html lang="en">
                                                                             <head>
                                                                          <?php endforeach;?>
                                                                       <?php endif;?>
                             rel="stylesheet"
                                                                    href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                                 3.3.5/css/bootstrap.min.css">
                                                              </div>
      <script
                                                              <div class = "modal fade"
                                                                                           id =
                                                    "complaintInfo" role = "dialog">
src="https://ajax.googleapis.com/ajax/libs/jque
ry/1.11.3/jquery.min.js"></script>
                                                                <div class = "modal-dialog modal-</pre>
                                                    lg">
```

```
<div class = "modal-content">
                    <div
                           class
                                        "modal-
                                                            document.getElementById("cSender").innerHTM
header">
                                                        L = resp.complaintSender;
                       <button
                                  type="button"
                                                                         else
class="close"
                       data-dismiss
                                                            document.getElementById("cSender").innerHTM
"modal">×</button>
                                                        L = "Anonymous";
                       <h4
                                  class="modal-
title">Complaint Information</h4>
                                                           document.getElementById("cDate").innerHTML
                    </div>
                    <div class="modal-body">
                                                        = resp.complaintDate;
                       <div id = "cInfo">
                          <dl class
                                                            document.getElementById("cIssue").innerHTML
horizontal">
                                                        = resp.complaintIssue;
                              <dt>Complaint
                                                            document.getElementById("cDetails").innerHT
ID:</dt>
                              <dd
                                                        ML = resp.complaintDetails;
"cID"></dd>
                                                                         $('#complaintInfo').modal();
                              <dt>Complaint
Sender:</dt>
                                                                  }
                                       id
                              < dd
"cSender"></dd>
                                                                  xmlhttp.open("GET","viewComplaint/" +
                              <dt>Complaint
                                                        complaintID, true);
Date:</dt>
                                                           xmlhttp.setRequestHeader("ajaxOnly","yes");
                              <dd
                                       id
"cDate"></dd>
                                                                  xmlhttp.send();
                              <dt>Complaint
Issue:</dt>
                                                            </script>
                              <dd
                                       id
                                                        </html>
"cIssue"></dd>
                                                        viewall_outgoingroutes.php
                              <dt>Complaint
Details:</dt>
                                                        defined('BASEPATH') OR exit('No direct script
                              <br/>
                                                        access allowed');
                              <dd
                                       id
"cDetails"></dd>
                                                        <!DOCTYPE html>
                                                        <html lang="en">
                           </dl>
                       </div>
                                                           <head>
                    </div>
                    <div class="modal-footer">
                                                                                        rel="stylesheet"
                                                               link
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
                       <button
                                  type="button"
class="btn
                    btn-default"
                                                        3.3.5/css/bootstrap.min.css">
                                           data-
dismiss="modal">Close</button>
                    </div>
                                                               <script
                </div>
                                                        src="https://ajax.googleapis.com/ajax/libs/jque
             </div>
                                                        ry/1.11.3/jquery.min.js"></script>
          </div>
                                                               <script
      </div>
                                                        src="http://maxcdn.bootstrapcdn.com/bootstrap/3
   </body>
                                                         .3.5/js/bootstrap.min.js"></script>
                                                        src="http://maps.googleapis.com/maps/api/js">
   <script>
      function setComplaintInfo(complaintID) {
                                                        script>
          if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                               <script>
                                                                  var map;
          else {
                                                                  var marker;
             xmlhttp=new
                                                                  var infowindow;
ActiveXObject("Microsoft.XMLHTTP");
                                                                             myCenter
                                                                  var
                                                                                                     new
                                                        google.maps.LatLng(14.5980716,120.9796513);
          xmlhttp.onreadystatechange=function()
                                                                  function initialize() {
{
                                                                      var mapProp = {
                                                                         center: myCenter,
             if
                   (xmlhttp.readyState==4
                                              &&
xmlhttp.status==200) {
                                                                         zoom: 15,
                resp
                                                                         mapTypeId:
JSON.parse(xmlhttp.responseText);
                                                        google.maps.MapTypeId.ROADMAP
                                                                     };
   document.getElementById("cID").innerHTML
resp.complaintID;
                                                        google.maps.Map(document.getElementById("map"),
                if(resp.complaintSender != "")
                                                        mapProp);
                                                                  }
```

```
<?php
   google.maps.event.addDomListener(window,
                                                   if(isset($usertype)): ?>
'load', initialize);
                                                                              <?php
                                                   if($usertype == 'btAdmin'):?>
     </script>
                                                                                 <a href =
                                                  <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                   data-target = "#confirm" class = "btn btn-
= device-width, initial-scale = 1">
                                                   primary"><span class = "glyphicon glyphicon-</pre>
      <style>
                                                   remove"></span> &nbsp;Delete Route</a>
                                                                              <?php endif;?>
         body {
           background-color: #D7D7D7;
                                                                           <?php endif;?>
                                                                        <?php endforeach;?>
         #list {
                                                                  height: 85%;
                                                               overflow: auto;
                                                            </div>
         }
      </style>
                                                            <?php if($usertype == 'btAdmin'):?>
                                                   <title>Bus Routes</title>
  </head>
                                                                  <div class
   <body>
                                                                                  "modal-dialog
         <div class = "container col-sm-6" id</pre>
                                                   modal-sm">
                                                                     <div
                                                                            class
                                                                                        "modal-
= "list">
         <h1 class = "text-center"><span class
                                                   content">
= "glyphicon glyphicon-road"></span> Bus Routes
                                                                        <div
                                                                                  class="modal-
                                                   header">
         <div id = "notice"></div>
                                                                           <hutton
         <?php if(isset($usertype)): ?>
                                                   type="button"
                                                                      class="close"
                                                                                         data-
                                                   dismiss="modal">×</button>
           <?php
                       if($usertype
'btAdmin'):?>
                                                                           ⟨h4
                                                                                  class="modal-
                                                   title">Delete Route</h4>
               <a href = "busroutes/addRoute"</pre>
class = "btn btn-primary btn-block"><span class</pre>
                                                                        </div>
= "glyphicon glyphicon-road"></span> &nbsp;Add
                                                                        <div class="modal-body">
Outgoing Route</a>
                                                                           Are you sure you
            <?php endif;?>
                                                   want to delete this record?
         <?php endif;?>
                                                                        </div>
                                                                                  class="modal-
         <div class = "table-responsive">
                                                                        <div
            <table class = "table table-
                                                   footer">
hover">
                                                                           <button onClick
                                                   "del();" type="button" class="btn btn-default"
               <thead>
                                                   data-dismiss="modal">Yes</button>
                  From
                                                                           <button
                                                   type="button" class="btn btn-default" data-
                     To
                     dismiss="modal">No</button>
                     <?php
                                                                        </div>
if(isset($usertype)): ?>
                                                                     </div>
                                                                  </div>
                                if($usertype
                        <?php
== 'sAdmin'):?>
                                                               </div>
                                                            <?php endif;?>
                           <?php endif;?>
                     <?php endif;?>
                                                         </div>
                  </thead>
                                                         <div class = "container col-sm-6" style</pre>
                                                   = "border:2px solid black;width: 45%; height:
               <?php foreach($busRoutes as</pre>
                                                   500px; position: relative;">
                                                           <div id = "map" style = "width: 90%;</pre>
$b): ?>
                     height: 450px; position: relative; top: 25px;
$b -> terminalRouteID;?>">
                                                   left: 30px;">
                        <?php echo $b ->
                                                           </div>
                                                         </div>
routeFrom;?>
                        <?php echo $b ->
routeTo;?>
                                                         <script>
                                                           var markers = [];
                        <a href =
            "viewRoute(<?php echo $b
                                                           var m1, m2, rLine, bound, i1, i2;
routeID;?>)" class = "btn btn-primary"><span</pre>
                                                           var idToDel;
                  "glyphicon
                                  glyphicon-
screenshot"></span> View Route</a>
                                                           <?php if(isset($usertype)): ?>
```

```
<?php
                          if($usertype
'btAdmin'):?>
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
                function set(id) {
                                                            xmlhttp.setRequestHeader("Content-type",
                    idToDel = id;
                                                         "application/x-www-form-urlencoded");
                                                                             xmlhttp.send(parameters);
                function del() {
                    markers = [];
                    if(i1 != null && i2 != null
                                                                      <?php endif;?>
&& m1 != null && m2!= null && rLine != null &&
                                                                   <?php endif;?>
bound != null) {
                       m1.setMap(null);
                       m2.setMap(null);
                                                                   function viewRoute(id) {
                       i1.setMap(null);
                                                                      markers = [];
                       i2.setMap(null);
                                                                      if(i1 != null && i2 != null && m1
                       rLine.setMap(null);
                                                         != null && m2!= null && rLine != null && bound
                       rLine = null;
                                                         != null) {
                       m1 = null;
                                                                         m1.setMap(null);
                       m2 = null;
                                                                         m2.setMap(null);
                       i1 = null;
                                                                         i1.setMap(null);
                       i2 = null;
                                                                         i2.setMap(null);
                    }
                                                                         rLine.setMap(null);
                                                                         rLine = null;
                    var xmlhttp;
                                                                         m1 = null;
                                                                         m2 = null;
                    var resp;
                    var
                                notice
                                                                         i1 = null;
document.getElementById("notice");
                                                                         i2 = null;
                    if (window.XMLHttpRequest)
{
                                                                      var xmlhttp;
                       xmlhttp=new
                                                                      var routeInfo;
XMLHttpRequest();
                                                                      if (window.XMLHttpRequest) {
                    else {
                                                                          xmlhttp=new XMLHttpRequest();
                       xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                                      else {
                                                                          xmlhttp=new
                                                         ActiveXObject("Microsoft.XMLHTTP");
   xmlhttp.onreadystatechange=function() {
                       if
(xmlhttp.readyState==4 && xmlhttp.status==200)
                                                            xmlhttp.onreadystatechange=function() {
                                                                             (xmlhttp.readyState==4
                                                                         if
                                                                                                       &&
                                                         xmlhttp.status==200) {
                           resp
xmlhttp.responseText;
                                                                             routeInfo
                                                         JSON.parse(xmlhttp.responseText);
                                            "Bus
                           if(resp
Route Record Deleted") {
                                                                                      routePoints
                                                         routeInfo['routePoints'];
                              notice.className
= "alert alert-success";
                                                                                                      new
                                                         google.maps.LatLngBounds();
document.getElementById("tr"+idToDel);
                                                                             for(var
                                                         routePoints.length; i++) {
   t.parentNode.removeChild(t);
                                                                                markers.push(new
                                                         google.maps.LatLng(routePoints[i]['lat'],routeP
                          else {
                                                         oints[i]['lng']));
                              notice.className
= "alert alert-danger";
                                                            bound.extend(markers[markers.length-1]);
                           notice.innerHTML
                                                                                                      new
                                                         google.maps.Marker({
resp;
                                                                                position: markers[0],
                       }
                    }
                                                                                map: map
                                                                             });
                                                                                                      new
                                                                             m2
                    var
                              parameters
                                                         google.maps.Marker({
"rID="+idToDel;
                                                                                position:
                                                         markers[markers.length-1],
   xmlhttp.open("POST", "busroutes/delete",
                                                                                map: map
true);
```

```
i1
                                          new
google.maps.InfoWindow({
                                                               #list {
                      content:
                                'From:
                                                                  height: 85%;
routeInfo['mainInfo']['rFrom']
                                                                  overflow: auto;
                   });
                   i2
                                                            </style>
                                          new
google.maps.InfoWindow({
                      content:
                                 'To:
                                                            <title>View All Personnels</title>
routeInfo['mainInfo']['rTo']
                                                        </head>
                                                        <body>
                   });
                                                           <div class = "container col-sm-6" id =</pre>
                   i1.open(map, m1);
                   i2.open(map, m2);
                                                               <h1 class = "text-center"><span class
                   rLine
                                          new
google.maps.Polyline({
                                                     = "glyphicon glyphicon-user"></span> Personnel
                      path: markers,
                      geodesic: true,
                                                               NOTE: Users
                      strokeColor: '#FF0000',
                                                     highlighted
                                                                  in
                                                                        <mark
                                                                                 class
                      strokeOpacity: 0.80,
                                                     danger">red</mark> are the Bus Drivers while
                      strokeWeight: 2,
                                                     those in <mark class = "bg-info">blue</mark>
                                                     are Bus Conductors.
                      map: map
                                                               <div id = "notice"></div>
                   });
                   map.fitBounds(bound);
                                                               <a
                                                                               href
                                                     "buspersonnels/addPersonnel" class = "btn btn-
               }
                                                     primary btn-block"><span class = "glyphicon
            }
                                                     glyphicon-plus"></span> Add Personnel</a>
                                                               <div class = "table-responsive">
                                                                  <table class = "table table-
            var parameters = "rID="+id;
                                                     hover">
   xmlhttp.open("POST", "busroutes/viewMap",
                                                                     <thead>
true);
                                                                        Name
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
                                                                            xmlhttp.setRequestHeader("Content-type",
                                                                            "application/x-www-form-urlencoded");
                                                                        xmlhttp.send(parameters);
                                                                     </thead>
                                                                     <?php if(isset($busPersonnels)</pre>
                                                     && count($busPersonnels)):?>
      </script>
   </body>
                                                                        <?php
                                                     foreach($busPersonnels as $b) :?>
</html>
viewall_personnels.php
                                                                                      if($b
                                                                            <?php
                                                     busPersonnelType == "Driver"): ?>
defined('BASEPATH') OR exit('No direct script
                                                                               <tr id
                                                                                           "tr<?php
                                                     echo $b -> busPersonnelID;?>" class = "danger">
access allowed');
                                                                           <?php else: ?>
<!DOCTYPE html>
                                                                              <tr id =
                                                                                           "tr<?php
<html lang="en">
                                                     echo $b -> busPersonnelID;?>" class = "info">
   <head>
                                                                           <?php endif;?>
                                                                                                "#"
                                                                            <a
                                                                                    href
                                                                     "get(<?php</pre>
                              rel="stylesheet"
                                                     onClick
                                                                                   echo
                                                                                           $b
                                                                                                 ->
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                     busPersonnelID;?>)"><?php</pre>
                                                                                  echo
                                                                                          $b
                                                                                                 ->
3.3.5/css/bootstrap.min.css">
                                                     busPersonnelLName
                                                                                          .$b
                                                                                                 ->
                                                     busPersonnelFName.
                                                                                           $b
                                                                                                 ->
      <script
                                                     src="https://ajax.googleapis.com/ajax/libs/jque
                                                                           <a
                                                                                    href
                                                                                                "#"
                                                                     "edit(<?php</pre>
ry/1.11.3/jquery.min.js"></script>
                                                                                   echo
                                                                                        "btn
                                                     busPersonnelID;?>)"
                                                                                               btn-
      <script
                                                                           class
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                     primary"><span class = "glyphicon glyphicon-</pre>
                                                     lock"></span> Update Record</a>
.3.5/js/bootstrap.min.js"></script>
                                                                                                "#"
                                                                           <a
                                                                                    href
                                                                    "setep(<?php
      <meta charset = "utf-8">
                                                     onClick
                                                                                    echo
                                                                                           $b
                                                                                                 ->
      <meta name = "viewport" content = "width</pre>
                                                     busPersonnelID;?>)" class = "btn btn-primary"
                                                                         "modal"
= device-width, initial-scale = 1">
                                                     data-toggle
                                                                                   data-target
                                                     "#editPhoto"><span</pre>
                                                                                         "glyphicon
                                                                           class
      <style>
                                                     glyphicon-camera"></span> Update Photo</a>
                                                                                  href
         body {
                                                                           <a
                                                                     "set(<?php
            background-color: #D7D7D7;
                                                                                   echo
                                                     busPersonnelID;?>)" class = "btn btn-primary"
```

```
data-toggle
                   "modal"
                              data-target
                                                                          </div>
"#confirm"><span class = "glyphicon glyphicon-
                                                                          <div class="modal-footer">
minus"></span> Delete Personnel</a>
                                                                             <button onClick =
                                                       "del();" type="button" class="btn btn-default"
                      <?php endforeach;?>
                                                       data-dismiss="modal">Yes</button>
                <?php endif;?>
                                                                              <button
                                                                                         type="button"
                class="btn
                                                                           btn-default"
                                                                                                 data-
             dismiss="modal">No</button>
         </div>
                                                                          </div>
                                                                       </div>
                                                                    </div>
         <div id = "editPhoto" class = "modal
fade" role = "dialog">
                                                                 </div>
             <?php
form_open_multipart('buspersonnels/editPhoto',a
                                                             </div>
rray('class' => 'form-horizontal', 'role' =>
'form'));?>
                                                             <div id = "side">
             <div class = "modal-dialog modal-</pre>
lg">
                                                             </div>
                <div class = "modal-content">
                                                          </body>
                   <div class="modal-header">
                                 type="button"
                      <button
                                                          <script>
class="close"
                                                             var idToMod;
                                         data-
dismiss="modal">×</button>
                      <h4
                                 class="modal-
                                                             var xmlhttp;
title">Update Photo</h4>
                                                             var resp;
                   <div class="modal-body">
                                                             var
                                                                               notice
                      <div id = 'epn'></div>
                                                       document.getElementById("notice");
                       <br/>
                                    = "form-
                                                             function setep(id) {
                       <div
                            class
group">
                                                                document.getElementById("epID").value
                          <label
                                     for
                                                       = id;
                       "control-label
"userfile" class =
                                      col-sm-
                                                             }
3"><span class =
                       "glyphicon
                                    glyphicon-
camera"></span> Profile Photo</label>
                                                             function set(id) {
                          <div class = "col-
                                                                idToMod = id:
sm-7">
                             <input
                                      type
"file" id = "userfile" name = "userfile" class
                                                             function edit(id) {
= "form-control" required autofocus>
                                                                if (window.XMLHttpRequest) {
                                                                    xmlhttp=new XMLHttpRequest();
                             <input
                                      type
"hidden" id = "epID" name = 'epID'>
                          </div>
                                                                else {
                      </div>
                                                                    xmlhttp=new
                   </div>
                                                       ActiveXObject("Microsoft.XMLHTTP");
                   <div class="modal-footer">
                      <button type = "submit"</pre>
                                                                xmlhttp.onreadystatechange=function()
class = "btn btn-primary">Update Photo</button>
                                                       {
                   </div>
                                                                          (xmlhttp.readyState==4
                                                                                                    &&
                </div>
                                                       xmlhttp.status==200) {
             </div>
                                                                       resp = xmlhttp.responseText;
             </form>
         </div>
                                                          document.getElementById("side").innerHTML =
                                                       resp;
         <div id = "confirm" class = "modal</pre>
fade" role = "dialog">
                                                                }
             <div class = "modal-dialog modal-</pre>
sm">
                <div class = "modal-content">
                   <div class="modal-header">
                                                          xmlhttp.open("GET","busPersonnels/editPerso
                                                       nnel/" + id,true);
                                 type="button"
class="close"
                                         data-
dismiss="modal">×</button>
                                                          xmlhttp.setRequestHeader("ajaxOnly", "yes");
                      <h4
                                 class="modal-
                                                                 xmlhttp.send();
title">Delete Personnel</h4>
                                                             }
                   </div>
                   <div class="modal-body">
                                                             function del() {
                      Are you sure you want
                                                                                  node
                                                       document.getElementById("tr"+idToMod);
to delete this record?
```

```
if (window.XMLHttpRequest) {
                                                               }
            xmlhttp=new XMLHttpRequest();
         else {
            xmlhttp=new
                                                         xmlhttp.open("GET","busPersonnels/view/" +
ActiveXObject("Microsoft.XMLHTTP");
                                                     id,true);
         xmlhttp.onreadystatechange=function()
                                                         xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                               xmlhttp.send();
{
                  (xmlhttp.readyState==4
xmlhttp.status==200) {
                                                         </script>
               resp = xmlhttp.responseText;
                                                      </html>
                             "Bus Personnel
               if(resp ==
                                                     viewall_reports.php
Record Deleted") {
                                                      <?php
                                                     defined('BASEPATH') OR exit('No direct script
                   notice.className = "alert
alert-success":
                                                     access allowed');
   node.parentNode.removeChild(node);
                                                     <!DOCTYPE html>
                                                      <html lang="en">
               else {
                                                         <head>
                   notice.className =
                                       "alert
                                                                                    rel="stylesheet"
alert-danger";
                                                     href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                     3.3.5/css/bootstrap.min.css">
   document.getElementById("notice").innerHTML
                                                            <script
                                                     src="https://ajax.googleapis.com/ajax/libs/jque
   document.getElementById("side").innerHTML =
                                                      ry/1.11.3/jquery.min.js"></script>
                                                            <script
                                                      src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                      .3.5/js/bootstrap.min.js"></script>
         }
   xmlhttp.open("GET", "buspersonnels/delete/"
                                                            <meta charset = "utf-8">
                                                            <meta name = "viewport" content = "width</pre>
+ idToMod, true);
                                                     = device-width, initial-scale = 1">
   xmlhttp.setRequestHeader("ajaxOnly","yes");
         xmlhttp.send();
                                                            <style>
      }
                                                               body {
                                                                  background-color: #D7D7D7;
      function displayDiv() {
   if(document.getElementById('pType').value
                                                               #list {
                                                                  height: 85%;
== 'Driver')
                                                                  overflow: auto;
   document.getElementById('driverDiv').style.
display = 'block';
                                                            </style>
         else
                                                            <title>Reports</title>
   document.getElementById('driverDiv').style.
                                                         </head>
                                                         <body>
display = 'none';
                                                            <div class = "container">
                                                               <h1 class = "text-center"><span class
                                                     = "glyphicon glyphicon-file"></span> Reports
      function get(id) {
         if (window.XMLHttpRequest) {
                                                     List</h1>
            xmlhttp=new XMLHttpRequest();
                                                               <div id = "notice"></div>
         else {
                                                               <div class = "table-responsive">
            xmlhttp=new
                                                                           class
                                                                                              "text-
                                                                  <h3
ActiveXObject("Microsoft.XMLHTTP");
                                                      center">Reports</h3>
                                                                  xmlhttp.onreadystatechange=function()
                                                     hover" id = "rlist">
                                                                      <thead>
            if
                  (xmlhttp.readyState==4
                                                                         xmlhttp.status==200) {
                                                                            ID
               resp = xmlhttp.responseText;
                                                                            Report Month
                                                                            Report Year
   document.getElementById("side").innerHTML =
                                                                         </thead>
resp;
                                                                      }
```

```
<meta charset = "utf-8">
                  <?php
                            if($reports
null):?>
                                                           <meta name = "viewport" content = "width</pre>
                             foreach($reports
                                                    = device-width, initial-scale = 1">
                     <?php
as $r):?>
                     <tr
                               onClick
                                                           <style>
"location.href = './viewReport/<?php echo $r ->
                                                              body {
                                                                 background-color: #D7D7D7;
reportID;?>';">
                         <?php echo $r ->
reportID;?>
                         <?php
                                                              #list {
                                         echo
date("F",strtotime($r -> reportYear."-".$r ->
                                                                 height: 85%;
reportMonth."-01 00:00:00"));?>
                                                                 overflow: auto;
                         <?php echo $r ->
reportYear;?>
                                                           </style>
                     <?php endforeach;?>
                                                           <title>Bus Routes</title>
                   <?php endif;?>
                                                        </head>
               <body>
            <div class = "container col-sm-6" id</pre>
         </div>
                                                     = "list">
      </div>
                                                              <h1 class = "text-center"><span class
   </body>
                                                    = "glyphicon glyphicon-road"></span> Bus Routes
</html>
                                                    List</h1>
                                                              <div id = "notice"></div>
viewall_routes.php
                                                              <?php if(isset($usertype)): ?>
defined('BASEPATH') OR exit('No direct script
                                                                 <?php
                                                                             if($usertype
                                                     'sAdmin'):?>
access allowed');
                                                                    <a href = "busroutes/addRoute"</pre>
<!DOCTYPE html>
                                                     class = "btn btn-primary btn-block"><span class</pre>
<html lang="en">
                                                     = "glyphicon glyphicon-road"></span> &nbsp;Add
   <head>
                                                    Route</a>
                                                                 <?php endif;?>
                             rel="stylesheet"
      link
                                                              <?php endif;?>
                                                              <div class = "table-responsive">
href="http://maxcdn.bootstrapcdn.com/bootstrap/
3.3.5/css/bootstrap.min.css">
                                                                 <table class = "table table-
                                                    hover">
      <script
                                                                    <thead>
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                       ry/1.11.3/jquery.min.js"></script>
                                                                           From
                                                                           To
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                                           .3.5/js/bootstrap.min.js"></script>
                                                                           <?php
                                                    if(isset($usertype)): ?>
src="http://maps.googleapis.com/maps/api/js">
                                                                              <?php
                                                                                      if($usertype
script>
                                                     == 'sAdmin'):?>
                                                                                 <script>
                                                                                 var map;
                                                                              <?php endif;?>
         var marker:
                                                                           <?php endif;?>
         var infowindow;
                                                                       var
                   myCenter
                                                                    </thead>
google.maps.LatLng(14.5980716,120.9796513);
                                                                    function initialize() {
                                                                       <?php foreach($busRoutes as</pre>
            var mapProp = {
                                                    $b): ?>
               center: myCenter,
                                                                           <tr id = "tr<?php echo
               zoom: 15,
                                                    $b -> routeID:?>">
               mapTypeId:
                                                                              <?php echo $b ->
google.maps.MapTypeId.ROADMAP
                                                    <?php echo $b ->
            };
                                                    routeTo;?>
            map
google.maps.Map(document.getElementById("map"),
                                                                              <a href =
                                                    onClick = "viewRoute(<?php echo $b</pre>
mapProp);
                                                                                               ->
                                                    routeID;?>)" class = "btn btn-primary"><span</pre>
                                                                       "glyphicon
                                                     screenshot"></span> View Route</a>
   google.maps.event.addDomListener(window,
'load', initialize);
                                                    if(isset($usertype)): ?>
      </script>
                                                                                 <?php
                                                    if($usertype == 'sAdmin'):?>
```

```
<a href =
                                                                 <?php if(isset($usertype)): ?>
"busroutes/editRoute/<?php
                              echo
                                     $b
                                                                     <?php
                                                                                 if($usertype
routeID;?>" class = "btn btn-primary"><span
class = "glyphicon glyphicon-edit"></span>
                                                        'sAdmin'):?>
                                                                        function set(id) {
 Edit Route</a></rr>
                                                                           idToDel = id;
                                 <a href =
"#" onClick = "set(<?php
                                 echo $b ->
routeID;?>)" data-toggle = "modal" data-target
= "#confirm" class = "btn btn-primary"><span</pre>
                                                                        function del() {
                                                                           markers = [];
class = "glyphicon glyphicon-remove"></span>
                                                                           if(i1 != null && i2 != null
                                                       && m1 != null && m2!= null && rLine != null &&
 Delete Route</a>
                             <?php endif;?>
                                                       bound != null) {
                          <?php endif;?>
                                                                              m1.setMap(null);
                       m2.setMap(null);
                                                                              i1.setMap(null);
                   <?php endforeach;?>
                i2.setMap(null);
             rLine.setMap(null);
         </div>
                                                                              rLine = null;
                                                                              m1 = null;
                                                                              m2 = null;
         <?php if($isAdmin):?>
                                                                              i1 = null;
             <div id = "confirm"
                                                                              i2 = null;
                                      class =
"modal fade" role = "dialog">
                                                                           }
                <div class
                                  "modal-dialog
modal-sm">
                                                                           var xmlhttp;
                                                                           var resp;
                   <div
                           class
                                        "modal-
content">
                                                                                       notice
                                                                           var
                       <div
                                  class="modal-
                                                       document.getElementById("notice");
header">
                          <button
                                                                           if (window.XMLHttpRequest)
                    class="close"
type="button"
                                                       {
                                          data-
dismiss="modal">×</button>
                                                                              xmlhttp=new
                                                       XMLHttpRequest();
                          <h4
                                  class="modal-
title">Delete Route</h4>
                                                                           }
                       </div>
                                                                           else {
                       <div class="modal-body">
                                                                              xmlhttp=new
                          Are you sure you
                                                       ActiveXObject("Microsoft.XMLHTTP");
want to delete this record?
                                                                           }
                       </div>
                                  class="modal-
                                                          xmlhttp.onreadystatechange=function() {
                       <div
footer">
                          <button
                                                       (xmlhttp.readyState==4 && xmlhttp.status==200)
                                   onClick =
"del();" type="button" class="btn btn-default"
data-dismiss="modal">Yes</button>
                                                       xmlhttp.responseText;
                          <button
type="button" class="btn btn-default" data-
                                                                                  if(resp
                                                                                                   "Bus
dismiss="modal">No</button>
                                                       Route Record Deleted") {
                       </div>
                                                                                     notice.className
                   </div>
                                                       = "alert alert-success";
                </div>
                                                       document.getElementById("tr"+idToDel);
             </div>
         <?php endif;?>
                                                          t.parentNode.removeChild(t);
      </div>
                                                                                 }
notice.className
                                                       = "alert alert-danger";
500px; position: relative;">
         <div id = "map" style = "width: 90%;</pre>
                                                                                  notice.innerHTML
height: 450px; position: relative; top: 25px;
                                                       resp;
left: 30px;">
         </div>
                                                                           }
      </div>
      <script>
                                                                                     parameters
                                                                           var
         var markers = [];
                                                       "rID="+idToDel;
         var m1, m2, rLine, bound, i1, i2;
         var idToDel;
                                                          xmlhttp.open("POST", "busroutes/delete",
                                                       true);
```

```
i1
                                                                                                      new
   xmlhttp.setRequestHeader("ajaxOnly", "yes");
                                                         google.maps.InfoWindow({
                                                                                 content:
   xmlhttp.setRequestHeader("Content-type",
                                                         routeInfo['mainInfo']['rFrom']
"application/x-www-form-urlencoded");
                                                                             });
                    xmlhttp.send(parameters);
                                                                             i2
                                                                                                      new
                                                         google.maps.InfoWindow({
                                                                                content:
                                                                                             'To:
                                                         routeInfo['mainInfo']['rTo']
             <?php endif;?>
          <?php endif;?>
                                                                             i1.open(map, m1);
                                                                             i2.open(map, m2);
          function viewRoute(id) {
                                                                             rLine
                                                                                                      new
             markers = [];
                                                         google.maps.Polyline({
             if(i1 != null && i2 != null && m1
                                                                                 path: markers,
!= null && m2!= null && rLine != null && bound
                                                                                 geodesic: true,
                                                                                strokeColor: '#FF0000',
!= null) {
                m1.setMap(null);
                                                                                strokeOpacity: 0.80,
                m2.setMap(null);
                                                                                 strokeWeight: 2,
                i1.setMap(null);
                                                                                map: map
                i2.setMap(null);
                                                                             });
                rLine.setMap(null);
                                                                             map.fitBounds(bound);
                rLine = null;
                                                                         }
                m1 = null;
                                                                      }
                m2 = null;
                i1 = null;
                i2 = null;
                                                                      var parameters = "rID="+id;
                                                            xmlhttp.open("POST", "busroutes/viewMap",
             var xmlhttp;
                                                         true);
             var routeInfo;
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
             if (window.XMLHttpRequest) {
                xmlhttp=new XMLHttpRequest();
                                                            xmlhttp.setRequestHeader("Content-type",
                                                         "application/x-www-form-urlencoded");
                                                                      xmlhttp.send(parameters);
             else {
                xmlhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                                   }
                                                               </script>
                                                            </body>
   xmlhttp.onreadystatechange=function() {
                                                         </html>
                    (xmlhttp.readyState==4
                                                         viewall_terminals.php
                if
                                              &&
xmlhttp.status==200) {
                                                         <?php
                                                         defined('BASEPATH') OR exit('No direct script
                    routeInfo
                                                         access allowed');
JSON.parse(xmlhttp.responseText);
                             routePoints
                                                         ?>
routeInfo['routePoints'];
                                                         <!DOCTYPE html>
                                                         <html lang="en">
                                             new
google.maps.LatLngBounds();
                                                            <head>
                    for(var
                                      0;
                                                                                         rel="stylesheet"
routePoints.length; i++) {
                       markers.push(new
                                                         href="http://maxcdn.bootstrapcdn.com/bootstrap/
google.maps.LatLng(routePoints[i]['lat'],routeP
                                                         3.3.5/css/bootstrap.min.css">
oints[i]['lng']));
                                                               <script
   bound.extend(markers[markers.length-1]);
                                                         src="https://ajax.googleapis.com/ajax/libs/jque
                                                         ry/1.11.3/jquery.min.js"></script>
                    }
                    m1
                                             new
                                                               <script
google.maps.Marker({
                                                         src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                         .3.5/js/bootstrap.min.js"></script>
                       position: markers[0],
                       map: map
                                                         src="http://maps.googleapis.com/maps/api/js">
                    });
                    m2
                                             new
                                                         script>
google.maps.Marker({
                                                               <script>
                       position:
markers[markers.length-1],
                                                                   var map;
                       map: map
                                                                   var marker:
                    });
                                                                   var infowindow;
```

```
var
                   myCenter
                                                                                 new
google.maps.LatLng(14.5980716,120.9796513);
                                                                              <?php endif;?>
         function initialize() {
                                                                           <?php endif;?>
                                                                        var mapProp = {
               center: myCenter,
                                                                     </thead>
                                                                     zoom: 15,
               mapTypeId:
                                                                        <?php foreach($busTerminals</pre>
google.maps.MapTypeId.ROADMAP
                                                     as $b): ?>
                                                                           <tr id = "tr<?php echo
            };
                                                     $b -> stopPointID;?>">
            map
google.maps.Map(document.getElementById("map"),
                                                                              <a
                                                                                        href
                                                     "#"><?php echo $b -> stopPointName;?></a>
                                                                              <a href =
                                                                                               "#"
                      marker
                                                                     "loc(<?php echo $b
                                                                                                ->
            var
                                          new
                                                     onClick
google.maps.Marker({
                                                     stopPointLat;?>,<?php</pre>
                                                                              echo
                                                                                        $b
                                                                                                ->
               position: myCenter
                                                     stopPointLong;?>)" class =
                                                                                       "btn
                                                                                              btn-
                                                     primary"><span class = "glyphicon glyphicon-</pre>
            });
         }
                                                     if(isset($usertype)): ?>
   google.maps.event.addDomListener(window,
'load', initialize);
                                                                                 <?php
      </script>
                                                     if($usertype == 'sAdmin'):?>
                                                                                    <a href =
      <meta charset = "utf-8">
                                                     "busterminals/editTerminal/<?php echo $b ->
      <meta name = "viewport" content = "width</pre>
                                                     stopPointID;?>" class = "btn btn-primary"><span</pre>
                                                     class = "glyphicon glyphicon-edit"></span>
= device-width, initial-scale = 1">
                                                     Update Record</a>
      <style>
                                                                                    <a href =
                                                          onClick = "set(<?php echo $b ->
         body {
                                                     stopPointID;?>)" class = "btn btn-primary"
data-toggle = "modal" data-target =
            background-color: #D7D7D7;
                                                     "#confirm"><span class = "glyphicon glyphicon-
                                                     minus"></span> Delete Record</a>
         #list {
            height: 85%;
                                                                                 <?php endif;?>
            overflow: auto;
                                                                              <?php endif;?>
                                                                           }
      </style>
                                                                        <?php endforeach;?>
                                                                     <title>Bus Terminals</title>
                                                                  </div>
   </head>
   <body>
         <div class = "container col-sm-6" id
= "list">
         <h1 class = "text-center"><span class
                                                              <div id = "confirm" class = "modal
                     glyphicon-exclamation-
                                                     fade" role = "dialog">
        glyphicon"
sign"></span> Bus Terminals List</h1>
                                                                 <div class = "modal-dialog modal-</pre>
         <div id = "notice"></div>
                                                     sm">
         <?php if(isset($usertype)): ?>
                                                                     <div class = "modal-content">
                                                                        <div class="modal-header">
                        if($usertype
            <?php
'sAdmin'):?>
                                                                                      type="button"
                                                                           <button
                                                     class="close"
                            href
                                                                                             data-
"busterminals/addTerminal" class = "btn btn-
primary btn-block"><span class = "glyphicon
                                                     dismiss="modal">×</button>
                                                                           <h4
                                                                                      class="modal-
glyphicon-plus"></span> Add Bus Terminal</a>
                                                     title">Delete Bus Terminal</h4>
            <?php endif;?>
                                                                        </div>
         <?php endif;?>
                                                                        <div class="modal-body">
         <div class = "table-responsive">
                                                                           Are you sure you want
            <table class = "table table-
                                                     to delete this record?
hover">
                                                                        </div>
                                                                        <div class="modal-footer">
               <thead>
                  <button
                                                                                    onClick =
                      Bus
                                     Terminal
                                                     "del(); type="button" class="btn btn-default"
Name
                                                     data-dismiss="modal">Yes</button>
                      <button
                                                                                      type="button"
                      <?php
                                                     class="btn
                                                                        btn-default"
                                                                                             data-
if(isset($usertype)): ?>
                                                     dismiss="modal">No</button>
                                 if($usertype
                                                                        </div>
                         <?php
== 'sAdmin'):?>
                                                                     </div>
                            </div>
```

```
</div>
                                                                          notice.className = "alert
                                                       alert-danger";
      </div>
      <div class = "container col-sm-6" style</pre>
                                                          document.getElementById("notice").innerHTML
= "border:2px solid black;width: 45%; height:
500px; position: relative;">
document.getElementById("side").innerHTML =
left: 30px; visibility: hidden;">
                                                                }
         </div>
      </div>
                                                          xmlhttp.open("GET", "busterminals/delete/" +
   </body>
                                                       idToDel,true);
   <script>
      var idToDel:
                                                          xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                xmlhttp.send();
      var xmlhttp;
                                                             }
      var resp;
                                                          </script>
      var
                        notice
                                                       </html>
document.getElementById("notice");
                                                       viewall_trips.php
                                                       <?php
                                                       defined('BASEPATH') OR exit('No direct script
      function loc(sLat, sLong) {
                                                       access allowed');
   document.getElementById("map").style.visibi
lity = "visible";
                                                       <!DOCTYPE html>
         myCenter
                                                       <html lang="en">
google.maps.LatLng(sLat, sLong);
                                                          <head>
         if(marker != null) {
                                                                                      rel="stylesheet"
            marker.setPosition(myCenter);
         }
                                                       href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                       3.3.5/css/bootstrap.min.css">
         else {
             marker = new google.maps.Marker({
                position: myCenter,
                                                             <script
                                                       src="https://ajax.googleapis.com/ajax/libs/jque
                map: map
                                                       ry/1.11.3/jquery.min.js"></script>
            });
                                                             <script
         map.panTo(myCenter);
                                                       src="http://maxcdn.bootstrapcdn.com/bootstrap/3
      }
                                                       .3.5/js/bootstrap.min.js"></script>
                                                             <script
      function set(id) {
                                                       src="http://maps.googleapis.com/maps/api/js">
         idToDel = id;
                                                       script>
                                                             <meta charset = "utf-8">
      function del() {
                                                             <meta name = "viewport" content = "width</pre>
                                                       = device-width, initial-scale = 1">
         var
                           node
document.getElementById("tr"+idToDel);
         if (window.XMLHttpRequest) {
            xmlhttp=new XMLHttpRequest();
                                                             <script>
                                                                      bTerminalID
                                                                var
                                                                                         <?php
                                                                                                 echo
         else {
                                                       $bTerminalID;?>
             xmlhttp=new
                                                             </script>
ActiveXObject("Microsoft.XMLHTTP");
                                                             <style>
         xmlhttp.onreadystatechange=function()
                                                                    background-color: #D7D7D7;
{
            if
                  (xmlhttp.readyState==4
                                                             </style>
xmlhttp.status==200) {
                                                             <title>Trips</title>
                resp = xmlhttp.responseText;
                if(resp ==
                              "Bus
                                    Terminal
                                                          </head>
                                                          <body <?php echo($usertype == "btAdmin") ?</pre>
Record Deleted") {
                                                       "onLoad = 'findTrips()'" : "";?>>
                   notice.className = "alert
alert-success";
                                                             <div class = "container">
                                                                <div id = "header" class = "text-
   node.parentNode.removeChild(node);
                                                       center">
                                                                                           "glyphicon
                                                                    <h3><span class =
                }
                else {
                                                       glyphicon-bed"></span> Trips</h3>
```

```
<?php
                        if($usertype
                                                                          <th style = "width:
"btAdmin"):?>
                                                     100px;">
               <a href = "trips/dispatch"</pre>
                                                                       "btn
                   btn-primary" style
                                                                    </thead>
"width:300px;"><span class =</pre>
                                   "glyphicon
                                                                    glyphicon-plus"></span> Dispatch Bus</a>
            <?php else:?>
                                                                    <form class = 'form-inline'</pre>
                                                                 role = 'form' onSubmit = 'setTerminal(); return
                                                              </div>
false;'>
                                                              <div class = "modal fade" id =
               <div class = "form-group">
                  <div>
                                                     "seatForm" role = "dialog">
                                                                 <form class = 'form-horizontal'</pre>
                     <select class = "form-</pre>
                                                     role = 'form' onSubmit = "updateSeat();return
control" id = "busTerminalIDs">
                                                     false;">
                         <option value = -1
disabled
            selected>Please
                                select
                                                                    <div class = "modal-dialog">
terminal</option>
                                                                       <div class
                                                                                           "modal-
                                                     content">
                         ddq{>
foreach($busTerminals as $b):?>
                                                                           <div class = "modal-
                            <option value =</pre>
                                                     header">
"<?php echo $b -> stopPointID?>"><?php echo $b</pre>
                                                                              <button
-> stopPointName;?></option>
                                                     type="button" class="close" data-dismiss =
                         <?php endforeach;?>
                                                     "modal">×</button>
                      </select>
                                                                              <h4
                                                                                     class="modal-
                      <button type = "submit"</pre>
                                                     title">Update Seats</h4>
                          btn-primary">Select
class
                 "btn
                                                                           </div>
                                                                                class="container
Terminal</button>
                                                                           <div
                  </div>
                                                     modal-body">
               </div>
                                                                                 <div
                                                                                          id
            </form>
                                                     "notice"></div>
            <?php endif;?>
                                                                                 <div
                                                                                        class
         </div>
                                                     "form-group">
         <div class = "col-sm-6">
                                                                                    <label for =</pre>
            <h3
                    class
                                       "text-
                                                     "busPlateNos" class = "control-label col-sm-
center">Outgoing</h3>
                                                     2">Number of Available Seats:</label>
            <table class = "table
                                                                                    <div class =
                                       table-
hover">
                                                     "col-sm-4">
               <thead>
                                                                                       <input type</pre>
                                                     = "number" class = "form-control" name =
                  "numASeats" id = "numASeats" required/>
                     <th
                                      "width:
                           style
100px;">Plate #
                                                                                    </div>
                     <th
                                      "width:
                                                                                 </div>
                           style
200px;">To
                                                                           </div>
                                                                                     class="modal-
                     <th
                           style =
                                      "width:
                                                                           <div
150px; colspan = '2'># of Available Seats
                                                     footer">
                     <th style =
                                      "width:
                                                                              <input
                                                     "submit" class = "btn btn-primary" value = "Update Seat"><button type="button" class="btn"
100px;">ETA
                  </thead>
                                                     btn-default"
                                                                                            data-
               dismiss="modal">Close</button>
                                                                           </div>
               </div>
            </div>
         </div>
                                                                 </form>
         <div class = "col-sm-6">
                                                              </div>
            <h3
                    class
                                       "text-
                                                           </div>
center">Incoming</h3>
            <table class = "table
                                       table-
hover">
                                                           <script>
               <thead>
                                                              var w;
                                                              var outgoingTrips = [];
                  var incomingTrips = [];
                                      "width:
                      <th
                           style
                                                                                = [];
100px;">Plate #
                                                              var tripIDs
                                                              var xTrips
                     <th
                           style
                                       "width:
                                                                                = [];
                                                              var destPoints
200px;">From
                                                                                = [];
                     <th style
                                      "width:
                                                              var bNo
                                                                              = [];
150px;"># of Available Seats
                                                              var idToSet;
                     <th
                         style
                                      "width:
100px;">ETA
                                                              var time
                                                                              = -1;
```

```
var dService
                                             new
                                                                            var
                                                                                         trips
google.maps.DirectionsService;
                                                        JSON.parse(xhttp.responseText);
                                                                                       incomingT
                                                                            var
          function setID(id) {
                                                        document.getElementById("in-table-body");
             if("<?php echo $usertype?>"
                                                                                       outgoingT
                                                                            var
"btAdmin")
                                                        document.getElementById("out-table-body");
                idToSet = id;
                                                            while(incomingT.hasChildNodes()) {
          }
                                                            incomingT.removeChild(incomingT.firstChild)
          function updateSeat() {
             var
                              num
document.getElementById("numASeats").value;
             var xhttp;
                                                            while(outgoingT.hasChildNodes()) {
             if (window.XMLHttpRequest) {
                xhttp=new XMLHttpRequest();
                                                            outgoingT.removeChild(outgoingT.firstChild)
             else {
                xhttp=new
                                                                             var
                                                                                         iTrips
ActiveXObject("Microsoft.XMLHTTP");
                                                        trips["incoming"]["busData"];
                                                                                        oTrips
                                                                             var
                                                        trips["outgoing"]["busData"];
             xhttp.onreadystatechange
function() {
                                                                            window.outgoingTrips
                $('#seatForm').modal('hide');
                                                        oTrips;
                                                                            window.incomingTrips
             }
             var
                          parameters
                                                        iTrips;
"tripID="+idToSet+"&numSeats="+num;
                                                                             for(var
                                                                                      i
                                                                                             0:
                                                                                                   i
             xhttp.open("POST",
                                                        iTrips.length; i++) {
"./trips/updateSeat", true);
                                                                                var
                                                                                            row
                                                        document.createElement("tr");
   xhttp.setRequestHeader("ajaxOnly", true);
                                                                                var
                                                                                           bpNo
             xhttp.setRequestHeader("Content-
                                                        document.createElement("td");
type", "application/x-www-form-urlencoded");
                                                                                var
                                                                                           spNm
             xhttp.send(parameters);
                                                        document.createElement("td");
                                                                                           iETA
                                                                                var
                                                        document.createElement("td");
          function setTerminal() {
                                                                                           extra
                                                        document.createElement("td");
             h+TD
document.getElementById("busTerminalIDs").value
                                                                                var
                                                                                         numSeats
                                                        document.createElement("td");
                                                                                row.id
             if(btID != -1) {
                                                         "intr"+iTrips[i]["tripID"];
                bTerminalID = btID;
                                                                                iETA.id
                if(w != null)
                                                        iTrips[i]["tripID"];
                    w.terminate();
                                                                                numSeats.id
                                                         "numSeats"+iTrips[i]["tripID"];
                w = undefined;
                findTrips();
                                                                                bpNo.innerHTML
                                                        iTrips[i]["busPlateNo"];
             }
          }
                                                                                                      "≺a
                                                                                spNm.innerHTML
                                                                              '#'
                                                                                        onClick
                                                         'window.open(\"busroutes/viewRouteInfo/"+iTrips
          function findTrips() {
             outgoingTrips
                                                        [i]["routeID"]+"\",
                                                                                  \"_blank\")'>"
                            = [];
                                                        iTrips[i]["stopPointName"] + "</a>";
             incomingTrips
                             = [];
             tripIDs
                                                                                numSeats.innerHTML
                              = [];
             xTrips
                          = [];
                                                        iTrips[i]["numAvailableSeats"];
             var xhttp;
                                                            if(iTrips[i]["timeArrived"]
                                                                                                      &&
                                                         "<?php echo $usertype?>" == "btAdmin") {
             if (window.XMLHttpRequest) {
                xhttp=new XMLHttpRequest();
                                                                                   extra.innerHTML
                                                                                  '#'
                                                                                          onclick
                                                         "<a
                                                                 href
                                                         'arrive("+iTrips[i]['tripID']+")' class = 'btn
             else {
                                                        btn-primary'>Arrived</a>";
                xhttp=new
ActiveXObject("Microsoft.XMLHTTP");
                                                                                row.appendChild(bpNo);
                                                                                row.appendChild(spNm);
             xhttp.onreadystatechange
function() {
                if (xhttp.readyState == 4 &&
                                                            row.appendChild(numSeats);
xhttp.status == 200) {
                                                                                row.appendChild(iETA);
                                                                                row.appendChild(extra);
```

```
xhttp.open("POST",
   incomingT.appendChild(row);
                                                         "./trips/getTrips", true);
                                                            xhttp.setRequestHeader("ajaxOnly", true);
                    for(var
                                      0;
                                                                      xhttp.setRequestHeader("Content-
oTrips.length; i++) {
                                   row
                                                         type", "application/x-www-form-urlencoded");
document.createElement("tr");
                                                                      xhttp.send(parameters);
                                   bpNo
document.createElement("td");
                       var
                                                                   function startWorker() {
                                   spNm
document.createElement("td");
                                                                      if(typeof(Worker)
                                                                                                      1==
                       var
                                   oETA
                                                         "undefined") {
                                                                          if(typeof(w) == "undefined") {
document.createElement("td");
                                 numSeats
                       var
                                                                                                      new
document.createElement("td");
                                                         Worker("./scripts/update_terminal.js");
                       var
                                  extra
document.createElement("td");
                                                                         w.onmessage = function(event)
                       row.id
"outtr"+oTrips[i]["tripID"];
                                                                             var Tdata
                       oETA.id
                                                         event.data;
oTrips[i]["tripID"];
                                                                             var tripData =
                       bpNo.innerHTML
                                                         Tdata.tripData;
oTrips[i]["busPlateNo"];
                                                                             var bpData
                       numSeats.id
                                                         Tdata.bpData;
"numSeats"+oTrips[i]["tripID"];
                                                                             if(time < Tdata.time) {</pre>
                       \verb"spNm.innerHTML"
                                              '≺a
                                                                                time = Tdata.time;
                                onClick
                                                                                        OT
href
                                                                                var
'window.open(\"busroutes/viewRouteInfo/"+oTrips
                                                         tripData.outgoing["busData"];
[i]["routeID"]+"\",
                          \"_blank\")'>"
                                                                                         OTI
                                                                                var
oTrips[i]["stopPointName"] + "</a>";
                                                         tripData.outgoing["locationData"];
                       numSeats.innerHTML
                                                                                var
oTrips[i]["numAvailableSeats"];
                                                         tripData.incoming["busData"];
                       if("<?php
                                            echo
                                                                                var
                                                                                         ITL
$usertype?>" == "btAdmin") {
                                                         tripData.incoming["locationData"];
                          extra.innerHTML
                                                                                         incomingT
                          '#'
                                                         document.getElementById("in-table-body");
        href
                                  onClick
'setID(\""+oTrips[i]["tripID"]+"\")'
                                      class
                                                                                         outgoingT
'btn btn-primary'
                   class =
                              'btn btn-primary'
                                                         document.getElementById("out-table-body");
data-toggle
                    'modal'
                               data-target
                                                                                var tripChecker = [];
'#seatForm'>Update</a>";
                                                                                //inserting and editing
                                                                                 for(var i = 0; i <
   if(oTrips[i]["timeDeparted"] == null
                                                         OT.length; i++) {
"<?php echo $usertype?>" == "btAdmin") {
                                                            if(document.getElementById("outtr"+OT[i].tr
                          oETA.innerHTML =
                                onclick
                                                         ipID) != null) {
'depart("+oTrips[i]['tripID']+")' class = 'btn
                                                                                       //existing
btn-primary'>Depart</a>";
                                                         outgoing Trip
                                                                                                row
                       else
                                                         document.getElementById(OT[i].tripID);
if(oTrips[i]["timeDeparted"] == null) {
                          oETA.innerHTML
                                                            document.getElementById("numSeats"+OT[i]["t
"Not yet departing";
                                                         ripID"]).innerHTML
                                                         OT[i]["numAvailableSeats"];
                       row.appendChild(bpNo);
                       row.appendChild(spNm);
                                                            if(OT[i]["timeDeparted"]
                                                                                         ! =
                                                                                                       &&
                                                                                               null
                                                         row.innerHTML == "Not yet departing") {
                                                                                          row.innerHTML
   row.appendChild(numSeats);
                       row.appendChild(extra);
                       row.appendChild(oETA);
                                                                                           var
                                                                                                 bRow
                                                         null;
   outgoingT.appendChild(row);
                                                                                           for(var j = 0;
                    startWorker();
                                                         j < outgoingTrips.length; j++) {</pre>
             };
                                                            if(outgoingTrips[j].stopPointName.localeCom
                                                         pare(OT[i]["stopPointName"]) > 0) {
                                                                                                 bRow
"bTerminalID="+bTerminalID;
                                                         j;
```

```
break;
                                     }
                                                            if(OT[i]["timeDeparted"] == null && "<?php</pre>
                                                         echo $usertype?>" == "btAdmin") {
                                     else
if(outgoingTrips[j].stopPointName.localeCompare
                                                                                          oETA.innerHTML
(OT[i]["stopPointName"]) == 0) {
                                                              "<a
                                                                      href
                                                                                            onclick
                                                         'depart("+OT[i]['tripID']+")'>Depart</a>";
   if(outgoingTrips[j].busPlateNo.localeCompar
                                                                                       }
e(OT[i]["busPlateNo"]) > 0) {
                                                         if(OT[i]["timeDeparted"] == null) {
                                            bRow
                                                                                          oETA.innerHTML
= j;
                                                         = "Not yet departing";
   break;
                                        }
                                     }
                                                            row.appendChild(bpNo);
                                 }
                                                            row.appendChild(spNm);
                                  if(bRow
null) {
                                                            row.appendChild(numSeats);
   outgoingTrips.push(OT[i]);
                                                            row.appendChild(extra);
                                 else {
                                                            row.appendChild(oETA);
                                                                                       var bRow = null;
   window.outgoingTrips.splice(bRow-1,
                                              0,
OT[i]);
                                                                                       for(var j = 0; j
                                                         < outgoingTrips.length; j++) {</pre>
                              }
                                                            if(outgoingTrips[j].stopPointName.localeCom
                           }
                                                         pare(OT[i]["stopPointName"]) > 0) {
                           else {
                              //new
                                        outgoing
                                                                                              bRow = j;
Trip
                                                                                              break;
                                                                                          }
                              var
                                       row
document.createElement("tr");
                                                                                          else
                                                         if(outgoingTrips[j].stopPointName.localeCompare
                                      bpNo
document.createElement("td");
                                                         (OT[i]["stopPointName"]) == 0) {
                                      snNm
document.createElement("td");
                                                            if(outgoingTrips[j].busPlateNo.localeCompar
                                                         e(OT[i]["busPlateNo"]) > 0) {
                                      oFTA
                              var
document.createElement("td");
                                                                                                 bRow
                              var
                                    numSeats
                                                         j;
document.createElement("td");
                                                                                                 break;
                              var
                                      extra
document.createElement("td");
                                                                                           }
                              row.id
"outtr"+OT[i]["tripID"];
                              oETA.id
                                                                                       if(bRow == null)
OT[i]["tripID"];
                                                         {
                              numSeats.id
"numSeats"+OT[i]["tripID"];
                                                            outgoingT.appendChild(row);
                              bpNo.innerHTML
OT[i]["busPlateNo"];
                                                            outgoingTrips.push(OT[i]);
                              spNm.innerHTML
                         '#'
                                  onClick
                                                                                       else {
'window.open(\"busroutes/viewRouteInfo/"+OT[i][
"routeID"]+"\",
                        \"_blank\")'>"
                                                            outgoingT.insertBefore(row,
OT[i]["stopPointName"] + "</a>";
                                                         outgoingT.childNodes[bRow]);
   numSeats.innerHTML
                                                            window.outgoingTrips.splice(bRow-1,
                                                                                                       0,
OT[i]["numAvailableSeats"];
                                                         OT[i]);
                              if("<?php
                                            echo
$usertype?>" == "btAdmin") {
                                                            tripChecker.push(OT[i].tripID);
   extra.innerHTML = "<a href = '#' onClick =
'setID(\""+OT[i]["tripID"]+"\")' class =
btn-primary' class = 'btn btn-primary' data-
                 'modal'
                              data-target
                                                                                 for(var i = 0; i <
'#seatForm'>Update</a>";
                                                         IT.length; i++) {
                              }
```

```
else
   if(document.getElementById("intr"+IT[i].tri
                                                         if(incomingTrips[j].stopPointName.localeCompare
pID) != null) {
                                                         (IT[i]["stopPointName"]) == 0) {
                              //existing
incoming Trip
                                                            if(incomingTrips[j].busPlateNo.localeCompar
                                                         e(IT[i]["busPlateNo"]) > 0) {
   document.getElementById("numSeats"+IT[i]["t
                                                                                                 bRow
ripID"]).innerHTML
                                                         j;
IT[i]["numAvailableSeats"];
                                                                                                 break;
                                                                                              }
                           else {
                                                                                           }
                              //new
                                        incoming
                                                                                       }
Trip
                                                                                       if(bRow == null)
                              var
                                       row
document.createElement("tr");
                                                         {
                                      bpNo
                              var
document.createElement("td");
                                                            incomingT.appendChild(row);
                                      spNm
document.createElement("td");
                                                            incomingTrips.push(IT[i]);
                              var
                                      i FTA
document.createElement("td");
                                                                                       else {
                              var
                                      extra
document.createElement("td");
                                                            incomingT.insertBefore(row,
                              var
                                    numSeats
                                                         incomingT.childNodes[bRow]);
document.createElement("td");
                              row.id
                                                            incomingTrips.splice(bRow-1, 0, IT[i]);
"intr"+IT[i]["tripID"];
                              iETA.id
IT[i]["tripID"];
                              numSeats.id
                                                            tripChecker.push(IT[i].tripID);
"numSeats"+IT[i]["tripID"];
                              bpNo.innerHTML
IT[i]["busPlateNo"];
                              spNm.innerHTML
                                                                                 //deleting
                          '#'
                                  onClick
                                                                                 for(var
'window.open(\"busroutes/viewRouteInfo/"+IT[i][
                                                         (window.incomingTrips.length - 1); i >= 0; i--
"routeID"]+"\",
                        \"_blank\")'>"
                                                         ) {
IT[i]["stopPointName"] + "</a>";
                                                                                           testTrip
                                                                                    var
                                                         window.incomingTrips[i].tripID;
   numSeats.innerHTML
                                                            if(tripChecker.indexOf(testTrip) == -1) {
IT[i]["numAvailableSeats"];
                                                                                       //delete incoming
   if(IT[i]["timeArrived"] == null && "<?php</pre>
                                                         trip
echo $usertype?>" == "btAdmin") {
                                                            window.bNo.splice(window.bNo.indexOf(window
   extra.innerHTML = "<a href = '#' onclick =
                                                         .incomingTrips[i].busPlateNo), 1);
'arrive("+IT[i]['tripID']+")' class = 'btn btn-
                                                                                       var
                                                                                                row
primary'>Arrived</a>";
                                                         document.getElementById("intr"+testTrip);
                              }
                                                            row.parentNode.removeChild(row);
   row.appendChild(bpNo);
                                                            window.destPoints.splice(window.tripIDs.ind
   row.appendChild(spNm);
                                                         exOf(testTrip),1);
   row.appendChild(numSeats);
                                                            window.xTrips.splice(window.tripIDs.indexOf
                                                         (testTrip),1);
   row.appendChild(iETA);
                                                            window.tripIDs.splice(window.tripIDs.index0
   row.appendChild(extra);
                                                         f(testTrip),1);
                              var bRow = null;
                                                            window.incomingTrips.splice(i, 1);
                              for(var j = 0; j
< incomingTrips.length; j++) {</pre>
   if(incomingTrips[j].stopPointName.localeCom
pare(IT[i]["stopPointName"]) > 0) {
                                                                                for(var
                                     bRow = j;
                                                         (window.outgoingTrips.length - 1); i >= 0 ; i--
                                     break;
                                                         ) {
```

```
testTrip
                          var
                                                                                   }
window.outgoingTrips[i].tripID;
                                                                               }
   if(tripChecker.indexOf(testTrip) == -1) {
                                                                                for(var
                                                                                               0;
                             //delete outgoing
                                                        OTL.length; i++) {
trip
                                                                                            BPNo
                                                                                   var
                                                        OTL[i].busPlateNo;
   window.bNo.splice(window.bNo.indexOf(window
                                                                                           tIndex
                                                                                   var
                                                        window.bNo.indexOf(BPNo);
.outgoingTrips[i].busPlateNo), 1);
                              var
document.getElementById("outtr"+testTrip);
                                                           if(outgoingTrips[i].timeDeparted != null) {
                                                                                      var DSRequest
   row.parentNode.removeChild(row);
                                                        window.xTrips[tIndex];
                                                                                      DSRequest.origin
   window.outgoingTrips.splice(i, 1);
                                                        google.maps.LatLng(OTL[i].busLat,OTL[i].busLong
   window.destPoints.splice(window.tripIDs.ind
                                                        );
exOf(testTrip),1);
                                                           DSRequest.destination
   window.xTrips.splice(window.tripIDs.indexOf
                                                        window.destPoints[tIndex];
(testTrip),1);
                                                           DSRequest.travelMode
   window.tripIDs.splice(window.tripIDs.indexO
                                                        google.maps.TravelMode.DRIVING;
f(testTrip),1);
                                                           DSRequest.provideRouteAlternatives =
                                                        false;
                       //fixing Points
                                                           DSRequest.drivingOptions
                                                                                             = {
                       for(var i =
                                                                                          departureTime:
                                           i <
window.outgoingTrips.length; i++) {
                                                        new Date(Date.now()),
                                                                                          trafficModel:
                          var
                                  oTripID
window.outgoingTrips[i].tripID;
                                                        "pessimistic"
                                                                                      };
   if(window.tripIDs.indexOf(oTripID) == -1 &&
window.outgoingTrips[i].timeDeparted != null) {
                                                                                   }
                                                                               }
   window.tripIDs.push(oTripID);
                                                                               for(var
                                                                                               0:
                                                                                                   i <
                                                                                        i
   window.destPoints.push(new
                                                        ITL.length; i++) {
google.maps.LatLng(window.outgoingTrips[i].stop
                                                                                            BPNo
                                                                                   var
PointLat,window.outgoingTrips[i].stopPointLong)
                                                        ITL[i].busPlateNo;
                                                                                   var
                                                                                           tIndex
                                                        window.bNo.indexOf(BPNo);
   window.bNo.push(window.outgoingTrips[i].bus
                                                           if(incomingTrips[i].timeDeparted != null) {
PlateNo):
                                                                                      var DSRequest
                                                        window.xTrips[tIndex];
   window.xTrips.push({});
                                                                                      DSRequest.origin
                                                        google.maps.LatLng(ITL[i].busLat,ITL[i].busLong
                       for(var i = 0; i <
                                                        );
window.incomingTrips.length; i++) {
                          var
                                  iTripID
                                                           DSRequest.destination
window.incomingTrips[i].tripID;
                                                        window.destPoints[tIndex];
   if(window.tripIDs.indexOf(iTripID) == -1) {
                                                           DSRequest.travelMode
                                                        google.maps.TravelMode.DRIVING;
   window.tripIDs.push(iTripID);
                                                           DSRequest.provideRouteAlternatives =
                                                        false;
   window.destPoints.push(
                                 new
google.maps.LatLng(tripData.bTerminalData[0].st
                                                           DSRequest.drivingOptions
opPointLat,tripData.bTerminalData[0].stopPointL
                                                                                         departureTime:
                                                        new Date(Date.now()),
                                                                                         trafficModel:
   window.bNo.push(window.incomingTrips[i].bus
                                                        "pessimistic"
PlateNo);
                                                                                      };
                                                                                   }
   window.xTrips.push({});
                                                                               }
```

```
}
                       //responseHandler
                                                                   <?php if($usertype == "btAdmin"):?>
                       function
responseHandler(response, status) {
                                                                      function depart(tripID) {
                                  tripIndex
                                                                         var xhttp;
                           var
window.xTrips.indexOf(response.request);
                                                                         if (window.XMLHttpRequest) {
                           if(tripIndex !=
                                             -1)
                                                                             xhttp=new XMLHttpRequest();
{
                              var
                                                                         else {
                                    t
                                             new
Date();
                                                                            xhttp=new
                                                        ActiveXObject("Microsoft.XMLHTTP");
   t.setSeconds(t.getSeconds()
response.routes[0].legs[0].duration.value);
                                                                         xhttp.onreadystatechange
                              var
                                                        function() {
t.getHours();
                                                                             if (xhttp.readyState == 4
                                                        && xhttp.status == 200) {
                              var
                                        m
t.getMinutes();
                                                                                if(xhttp.responseText ==
                              var a;
                                                         "success") {
                              if(h < 12)
                                                            //document.getElementById(tripID).innerHTML
                                 a = "AM";
                              else
                                 a = "PM";
                                                                                   location.href
                              if(h == 0)
                                                         './trips';
                                 h = "12";
                                                                                }
                              else if(h != 12)
                                                                             }
{
                                                                         };
                                 if(h %
                                         12 <
10)
                                                                         var
                                                                                     parameters
                                          "0" +
                                                         'tripID="+tripID;
(h % 12);
                                                                         xhttp.open("POST",
                                 else
                                                         './trips/departTrip", true);
                                     h
                                           (h %
12);
                                                            xhttp.setRequestHeader("ajaxOnly", true);
                              if(m < 10)
                                                            xhttp.setRequestHeader("Content-type",
                                 m = "0" + m;
                                                         "application/x-www-form-urlencoded");
                                                                         xhttp.send(parameters);
   document.getElementById(window.tripIDs[trip
Index]).innerHTML = h + ":" + m + " " + a;
                                                                      function arrive(tripID) {
                       }
                                                                         var xhttp;
                                                                         if (window.XMLHttpRequest) {
                       //send Requests
                                                                             xhttp=new XMLHttpRequest();
                       var num = 0;
                       for(var i =
                                       0;
                                           i <
                                                                         else {
window.xTrips.length; i++) {
                                                                            xhttp=new
                           if(window.xTrips[i]
                                                        ActiveXObject("Microsoft.XMLHTTP");
!= {}) {
                                                                         xhttp.onreadystatechange
   dService.route(window.xTrips[i],
                                                        function() {
responseHandler);
                                                                             if (xhttp.readyState ==
                              num++;
                                                        && xhttp.status == 200) {
                                                                                if(xhttp.responseText ==
                          }
                       }
                                                         "success") {
                    }
                                                                                   //for deletion
                                                                             }
                                                                         };
                w.postMessage(bTerminalID);
             } else {
                                                                                     parameters
                                                                         var
                                                         "tripID="+tripID;
   document.getElementById('result').className
                                                                         xhttp.open("POST",
= "alert alert-danger";
                                                         "./trips/arriveTrip", true);
   document.getElementById('result').innerHTML
                                                            xhttp.setRequestHeader("ajaxOnly", true);
= "Sorry, your web browser doesn't support web
workers.";
                                                            xhttp.setRequestHeader("Content-type",
                                                         "application/x-www-form-urlencoded");
             }
```

```
xhttp.send(parameters);
                                                                    }
                                                                 </thead>
                                                                 <?php endif;?>
      </script>
                                                                 <?php foreach($users as $u)</pre>
   </body>
                                                  :?>
</html>
                                                                    <?php if($u -> userID !=
viewall_users.php
                                                  $userID): ?>
                                                                       <?php if($u \rightarrow uType ==
defined('BASEPATH') OR exit('No direct script
                                                  "sAdmin"): ?>
                                                  access allowed');
<!DOCTYPE html>
                                                                       <?php else: ?>
<html lang="en">
                                                                         <tr id =
                                                                                      "tr<?php
                                                  echo $u -> userID;?>" class = "info">
   <head>
                                                                       <?php endif;?>
                            rel="stylesheet"
                                                                       <?php echo $u ->
href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                  userID ;?> 
3.3.5/css/bootstrap.min.css">
                                                                       <a href =
                                                                                         "#"
                                                  onClick = "get(<?php echo $u -> userID;?>)">
                                                  <?php echo $u -> uName ?> </a>
     <script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                       <a href
                                                  onClick = "reset(<?php echo $u -> userID;?>)"
ry/1.11.3/jquery.min.js"></script>
                                                  class = "btn btn-primary"><span class =
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                  glyphicon"
                                                               glyphicon-lock"></span>
.3.5/js/bootstrap.min.js"></script>
                                                  Password</a>
                                                                       <a href =
                                                  onClick = "set(<?php echo $u -> userID;?>)"
      <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                  class = "btn btn-primary" data-toggle = "modal"
= device-width, initial-scale = 1">
                                                  data-target = "#confirm"><span class =
                                                  "glyphicon glyphicon-minus"></span>
                                                                                      Delete
      <style>
                                                  User</a>
        body {
                                                                       background-color: #D7D7D7;
                                                                    <?php endif;?>
                                                                 <?php endforeach;?>
                                                                 #list {
                                                              height: 85%;
                                                           </div>
            overflow: auto;
                                                           <div id = "confirm" class = "modal
                                                  fade" role = "dialog">
      </style>
                                                              <div class = "modal-dialog modal-</pre>
      <title>View All Users</title>
                                                  sm">
                                                                 <div class = "modal-content">
   </head>
   <body>
                                                                    <div class="modal-header">
     <div class = "container col-sm-6" id =</pre>
                                                                       <button
                                                                                 type="button"
                                                  class="close"
                                                                                        data-
         <h1 class = "text-center"><span class
                                                  dismiss="modal">×</button>
   "glyphicon glyphicon-user"></span> Users
                                                                                 class="modal-
                                                                       <h4
                                                  title">Delete User</h4>
List</h1>
         NOTE: Users
                                                                    </div>
highlighted
            in <mark
                         class
                                                                    <div class="modal-body">
danger">red</mark>
                  are
                            the
                                     System
                                                                       Are you sure you want
Administrators while those in <mark class =
                                                  to delete this user?
"bg-info">blue</mark>
                      are
                            Bus
                                                                    </div>
Administrators.
                                                                    <div class="modal-footer">
         <div id = "notice"></div>
                                                                       <button onClick =
                                                  "del();" type="button" class="btn btn-default"
         <a href = "#" onClick = "add()" class
= "btn btn-primary btn-block"><span class =</pre>
                                                  data-dismiss="modal">Yes</button>
"glyphicon glyphicon-plus"></span> Add User</a>
                                                                       <button type="button"</pre>
         <div class = "table-responsive">
                                                  class="btn
                                                                    btn-default"
            <table class = "table table-
                                                  dismiss="modal">No</button>
hover">
                                                                    </div>
              <thead>
                                                                 </div>
                                                              </div>
                 User ID
                                                           </div>
                    Username
                                                        </div>
                     <div id = "side">
```

```
xmlhttp.onreadystatechange=function()
      </div>
   </body>
                                                                            (xmlhttp.readyState==4
                                                        xmlhttp.status==200) {
   <script>
                                                                         resp = xmlhttp.responseText;
                                                                                         "User
      var idToDel;
                                                                         if(resp
                                                                                   ==
                                                                                                  added.
                                                        Refreshing Page.") {
      var xmlhttp;
                                                            document.getElementById("n").className
      var resp:
                                                        "alert alert-success";
      var
                         notice
document.getElementById("notice");
                                                           document.getElementById("n").innerHTML
      function reset(id) {
                                                        resp;
                                                                            location.reload();
          if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                                         else {
         else {
                                                           document.getElementById("n").className
             xmlhttp=new
                                                        "alert alert-danger";
ActiveXObject("Microsoft.XMLHTTP");
                                                           document.getElementById("n").innerHTML
          xmlhttp.onreadystatechange=function()
                                                        resp;
{
                   (xmlhttp.readyState==4
             if
xmlhttp.status==200) {
                                                                  }
                                                                  xmlhttp.open("GET", "users/au", true);
                resp = xmlhttp.responseText;
                                "Password
                if(resp
                         ==
                                            was
reset.") {
                                                           xmlhttp.setRequestHeader("ajaxOnly","yes");
                    notice.className = "alert
                                                            xmlhttp.setRequestHeader("uType",uType);
alert-success";
                else {
                                                           xmlhttp.setRequestHeader("uName",uName);
                    notice.className =
                                         "alert
alert-danger";
                                                           xmlhttp.setRequestHeader("bCompany",bCompan
                                                        y);
   document.getElementById("notice").innerHTML
                                                           xmlhttp.setRequestHeader("bTerminal",bTermi
                                                        nal);
= resp;
                                                                  xmlhttp.send();
          }
          xmlhttp.open("GET", "users/reset/"
                                                               }
id.true):
                                                               function get(id) {
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                  if (window.XMLHttpRequest) {
          xmlhttp.send();
                                                                     xmlhttp=new XMLHttpRequest();
      }
                                                                  else {
      function set(id) {
                                                                     xmlhttp=new
          idToDel = id;
                                                        ActiveXObject("Microsoft.XMLHTTP");
                                                                  xmlhttp.onreadystatechange=function()
      function addUser() {
                                                        {
                           uName
                                                                            (xmlhttp.readyState==4
document.getElementById("uName").value;
                                                        xmlhttp.status==200) {
          var
                           uType
                                                                         resp = xmlhttp.responseText;
document.getElementById("uType").value;
                          bCompany
                                                           document.getElementById("side").innerHTML =
document.getElementById("bCompany").value;
                                                        resp;
                         bTerminal
          var
document.getElementById("bTerminal").value;
                                                                  }
          if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                                  xmlhttp.open("GET", "users/view/"
                                                        id, true);
          else {
             xmlhttp=new
                                                            xmlhttp.setRequestHeader("ajaxOnly","yes");
ActiveXObject("Microsoft.XMLHTTP");
                                                                  xmlhttp.send();
         }
```

```
function add() {
          if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                           if(document.getElementById("uType").value
                                                        == "btAdmin") {
          else {
             xmlhttp=new
                                                           document.getElementById("bcDiv").style.disp
ActiveXObject("Microsoft.XMLHTTP");
                                                        lay = "block";
          xmlhttp.onreadystatechange=function()
                                                           document.getElementById("btDiv").style.disp
                                                        lay = "block";
{
             if
                   (xmlhttp.readyState==4
xmlhttp.status==200) {
                                                                  else {
                resp = xmlhttp.responseText;
                                                           document.getElementById("bcDiv").style.disp
   document.getElementById("side").innerHTML =
                                                        lay = "none";
resp;
                                                           document.getElementById("btDiv").style.disp
          }
                                                        lay = "none";
                                                               }
          xmlhttp.open("GET", "users/addUser",
true);
                                                               function getBusTerminals() {
                                                                  var
                                                                                    bcID
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                        document.getElementById("bCompany").value;
          xmlhttp.send();
                                                                  if (window.XMLHttpRequest) {
                                                                      xmlhttp=new XMLHttpRequest();
      function del() {
                                                                     xmlhttp=new
         var
                            node
document.getElementById("tr"+idToDel);
                                                        ActiveXObject("Microsoft.XMLHTTP");
         if (window.XMLHttpRequest) {
             xmlhttp=new XMLHttpRequest();
                                                                  xmlhttp.onreadystatechange=function()
          else {
                                                                     if
                                                                            (xmlhttp.readyState==4
                                                                                                      &&
             xmlhttp=new
                                                        xmlhttp.status==200) {
ActiveXObject("Microsoft.XMLHTTP");
                                                                        var
                                                                                       node
                                                        document.getElementById("bTerminal");
          xmlhttp.onreadystatechange=function()
                                                                        while(node.firstChild) {
{
             if
                   (xmlhttp.readyState==4
                                                           node.removeChild(node.firstChild);
xmlhttp.status==200) {
                                                                        }
                                                                        resp = xmlhttp.responseText;
                resp = xmlhttp.responseText;
                                                                        node.innerHTML = resp;
                if(resp
                         ==
                                "User
                                        Account
Deleted") {
                                                                     }
                    notice.className = "alert
                                                                  }
alert-success";
                                                           xmlhttp.open("GET", "busterminals/getTermina
   node.parentNode.removeChild(node);
                                                        ls/" + bcID,true);
                                                           xmlhttp.setRequestHeader("ajaxOnly","yes");
                else {
                    notice.className = "alert
                                                                  xmlhttp.send();
alert-danger";
                                                           </script>
   document.getElementById("notice").innerHTML
                                                        </html>
                                                        viewHistory.php
= resp:
                                                        <?php
   document.getElementById("side").innerHTML =
                                                        defined('BASEPATH') OR exit('No direct script
                                                        access allowed');
                                                        <!DOCTYPE html>
          }
          xmlhttp.open("GET", "users/delete/" +
                                                        <html lang="en">
idToDel,true);
                                                           <head>
   xmlhttp.setRequestHeader("ajaxOnly","yes");
                                                                                       rel="stylesheet"
          xmlhttp.send();
                                                        href="http://maxcdn.bootstrapcdn.com/bootstrap/
                                                        3.3.5/css/bootstrap.min.css">
      function displayDiv() {
```

```
<script
                                                                        children[i].style.display =
src="https://ajax.googleapis.com/ajax/libs/jque
ry/1.11.3/jquery.min.js"></script>
                                                                     else
                                                                        children[i].style.display =
      <script
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                     "none";
.3.5/js/bootstrap.min.js"></script>
                                                                 }
                                                              }
      <meta charset = "utf-8">
      <meta name = "viewport" content = "width</pre>
                                                              function updateHistory() {
= device-width, initial-scale = 1">
                                                                  if(typeof(Worker)
                                                     "undefined") {
      <style>
                                                                     if(typeof(w) == "undefined") {
         body {
                                                                                                new
            background-color: #D7D7D7;
                                                     Worker("../scripts/update_history.js");
      </style>
                                                                     w.onmessage = function(event)
      <title>Trip History</title>
                                                                                 historyData
                                                                        var
                                                     event.data;
   <body onLoad = "updateHistory();">
                                                                        if(date
                                                                                                 Ш
                                                                                         null
      <div class = "container text-center">
  <h3><span    class = "glyphicon"</pre>
                                                     historyData["date"] > date) {
                                                                           date
glyphicon-bed"></span> Trip History</h3>
                                                     historyData["date"];
         <div id = "notice"></div>
                                                                           var
                                                                                  historyList
         <form class = 'form-inline' role =</pre>
                                                     document.getElementById("table-body");
'form' onSubmit = 'filter(); return false;'>
                                                                           var
                                                                                   listIndex
            <div class = "form-group">
                                                     historyList.childNodes.length - 1;
                                                                                   arrayIndex
historyData["trips"].length - 1;
                                                                           while(arrayIndex > -1) {
"bpNo" placeholder = "Plate Number" style =
                                                                              if(listIndex > -1) {
"width: 300px;">
                                                                                 arrayIndex--;
                  <button type = "submit"</pre>
                                                                                 listIndex--;
class = "btn btn-primary">Search Bus</button>
                                                                              }
                </div>
                                                                              else{
            </div>
                                                                                  var row
                                                     document.createElement("tr");
         </form>
         var dData
            <thead>
                                                     document.createElement("td");
                                                                                  var tData
               >
                   Time
                                                     document.createElement("td");
                   var bData
                                                     document.createElement("td");
                   Bus Plate No.
                   Driver
                                                                                  var drData
                   Conductor
                                                     document.createElement("td");
                   Route
                                                                                  var cData
                                                     document.createElement("td");
               </thead>
                                                                                  var rData
            <!-- Formatted like this in order
                                                     document.createElement("td");
to remove the text childNodes of table-body -->
            var dString = "";
         if(historyData["trips"][arrayIndex][1]
      </div>
                                                     "Departed") {
      <scrint>
                                                     Date(historyData["trips"][arrayIndex][0]["timeD
                                                     eparted"]);
         var w;
         var date = null;
                                                                                 else {
         function filter() {
                                                                                    d
                                                                                                new
                                                     Date(historyData["trips"][arrayIndex][0]["timeA
            var
document.getElementById("bpNo").value;
                                                     rrived"]);
            var
                          children
                                                                                  }
document.getElementById("table-
body").childNodes;
                                                                                 dString
                                                                                                 +=
            for(var
                                 0;
                                       i
                                            <
                                                     d.getFullYear() + "-";
children.length; i++) {
               if(s
                                           | |
                                                        if((d.getMonth()+1) < 10)
children[i].className == s)
```

```
dString
                                                                                       bData.innerHTML =
"0";
                                                         historyData["trips"][arrayIndex][0]["busPlateNo
                              dString
(d.getMonth()+1) + "-";
                                                                                       drData.innerHTML
                              if(d.getDate()
                                                         historyData["trips"][arrayIndex][0]["dl"].toUpp
10)
                                                         erCase()
                                 dString
                                              +=
"0";
                                                         historyData["trips"][arrayIndex][0]["df"] +
                                                         + historyData["trips"][arrayIndex][0]["dm"];
                              dString
                                              +=
d.getDate() + " ";
                                                                                       cData.innerHTML =
                                                         historyData["trips"][arrayIndex][0]["cl"].toUpp
                              if(d.getHours()
                                                         erCase()
                                                         historyData["trips"][arrayIndex][0]["cf"] +
== 0)
                                 dString
                                                         + historyData["trips"][arrayIndex][0]["cm"];
"12:":
                                                                                       rData.innerHTML =
                              else
                                                         historyData["trips"][arrayIndex][0]["routeFrom"
if(d.getHours() < 10)</pre>
                                 dString += "0"
                                                         historyData["trips"][arrayIndex][0]["routeTo"];
+ d.getHours() + ":";
                                                                                       row.className
                                                         historyData["trips"][arrayIndex][0]["busPlateNo
                              else
if(d.getHours() == 10 || d.getHours() == 11)
                                 dString
d.getHours() + ":";
                                                            row.appendChild(dData);
                              else
if(d.getHours() > 12) {
                                                            row.appendChild(tData);
   if(d.getHours() % 12 < 10)
                                                            row.appendChild(bData);
                                     dString +=
"0" + (d.getHours() % 12) + ":";
                                                            row.appendChild(drData);
                                 else {
                                     dString +=
                                                            row.appendChild(cData);
(d.getHours() % 12) + ":";
                                                            row.appendChild(rData);
                              }
                                                            historyList.insertBefore(row,
                              if(d.getMinutes()
                                                         historyList.childNodes[0]);
< 10)
                                                                                       arrayIndex--;
                                 dString += "0"
+ d.getMinutes() + ":";
                                                                                }
                              else
                                                                             }
                                                                         }
                                 dString
d.getMinutes() + ":";
                                                                         w.postMessage("Hello");
                              if(d.getSeconds()
                                                                      } else {
< 10)
                                 dString += "0"
                                                            document.getElementById('notice').className
+ d.getSeconds() + " ";
                                                         = "alert alert-danger";
                              else
                                                            document.getElementById('notice').innerHTML
                                 dString
d.getSeconds() + " ";
                                                         = "Sorry, your web browser doesn't support web
                                                         workers.";
                              if(d.getHours() <</pre>
12)
                                                               </script>
                                 dString
"am";
                                                            </body>
                              else
                                                         </html>
                                 dString
                                                         viewRoute.php
"pm";
                              dData.innerHTML =
                                                         defined('BASEPATH') OR exit('No direct script
                                                         access allowed');
dString;
                                                         ?>
   if(historyData["trips"][arrayIndex][1]
                                                         <!DOCTYPE html>
                                                         <html lang="en">
"Departed")
                                                            <head>
   tData.innerHTML = "Departure";
                                                               k
                                                                                         rel="stylesheet"
                                                         href="http://maxcdn.bootstrapcdn.com/bootstrap/
   tData.innerHTML = "Arrival";
                                                         3.3.5/css/bootstrap.min.css">
```

```
<script
src="https://ajax.googleapis.com/ajax/libs/jque
                                                                      var
                                                                              sourceMarker
                                                                                                      new
ry/1.11.3/jquery.min.js"></script>
                                                        google.maps.Marker({
      <script
                                                                         map: map,
src="http://maxcdn.bootstrapcdn.com/bootstrap/3
                                                                         position: markers[0]
.3.5/js/bootstrap.min.js"></script>
                                                                               destMarker
                                                                      var
                                                                                                      new
src="http://maps.googleapis.com/maps/api/js">
                                                         google.maps.Marker({
script>
                                                                         map: map,
                                                                         position:
      <meta charset = "utf-8">
                                                        markers[markers.length-1]
      <meta name = "viewport" content = "width</pre>
                                                                      });
= device-width, initial-scale = 1">
                                                                      var
                                                                             sourceInfoWindow
                                                                                                      new
                                                        google.maps.InfoWindow({
      <style>
                                                                         content:
                                                                                   "From:
                                                                                              <?php
                                                                                                     echo
                                                        $busRoute["routeInfo"][0] -> routeFrom;?>"
          body {
             background-color: #D7D7D7;
                                                                      });
                                                                             destInfoWindow
                                                                      var
                                                                                                      new
      </style>
                                                        google.maps.InfoWindow({
                                                                         content:
                                                                                     "To:
                                                                                            <?php
                                                                                                     echo
      <script>
                                                         $busRoute["routeInfo"][0] -> routeTo;?>"
          var map;
          var
                    myCenter
                                                                      sourceInfoWindow.open(map,
                                             new
google.maps.LatLng(14.5980716,120.9796513);
                                                         sourceMarker);
          var routePath = [];
                                                            destInfoWindow.open(map,destMarker);
          var markers = [];
                                                                  }
          <?php
                                                            google.maps.event.addDomListener(window,
foreach($busRoute["routePoints"] as $r):?>
                                                         'load', initialize);
             routePath.push({
                                                               </script>
                lat:
                        <?php
                                 echo
                                        $r
                                              ->
                                                               <title>Route Information</title>
stopPointLat;?>,
                                                            </head>
                lng:
                        <?php
                                 echo
                                        $r
stopPointLong;?>
                                                            <body>
                                                               <div class = "container-fluid">
             });
          <?php endforeach;?>
                                                                   <h1 class = "text-center"><span class
                                                            "glyphicon glyphicon-road"></span> Route
                                                         Information</h1>
          function initialize() {
                                                                  <div class = "container col-sm-6">
             var mapProp = {
                center: myCenter,
                                                                      <div style = "width: 700px;</pre>
                                                        height: 500px;" id = "map"></div>
                zoom: 7,
                mapTypeId:
                                                                   </div>
                                                                   <div class = "container col-sm-6">
google.maps.MapTypeId.ROADMAP
                                                                      <dl class = "dl-horizontal">
             };
                                                                         <dt>From:</dt>
google.maps.Map(document.getElementById("map"),
                                                                         <dd><?php
                                                                                                     echo
                                                         $busRoute['routeInfo'][0] -> routeFrom;?></dd>
mapProp);
                                                                         <dt>To:</dt>
             var
                        route
                                             new
google.maps.Polyline({
                                                                         <dd><?php
                                                        $busRoute['routeInfo'][0] -> routeTo;?></dd>
                path: routePath,
                geodesic: true,
                                                                         <dt>Other Details:</dt>
                strokeColor: '#FF0000',
                                                                         <br/>
                strokeOpacity: 0.80,
                                                                         <dd><?php
                                                                                                     echo
                                                        $busRoute['routeInfo'][0]
                strokeWeight: 2,
                map: map
                                                        routeDetails;?></dd>
                                                                      </dl>
             });
                                                                   </div>
                                                               </div>
                       bounds
                                             new
                                                            </body>
google.maps.LatLngBounds();
             for(var
                                   0;
                                                         </html>
routePath.length; i++) {
                                                        BusCompanies.php
                markers.push(new
                                                        defined('BASEPATH') OR exit('No direct script
google.maps.LatLng(routePath[i]['lat'],routePat
h[i]['lng']));
                                                        access allowed');
   bounds.extend(markers[markers.length-1]);
                                                        class BusCompanies extends CI Controller {
             map.fitBounds(bounds);
                                                            function __construct() {
```

```
if(isset($this ->
      parent::__construct();
                                                                                    input
      $this -> load -> model('buscompany', '',
                                                     request_headers()['ajaxOnly'])) {
TRUE);
                                                              if($this ->
                                                                                    session
      $this -> load -> helper('html');
                                                     userdata('logged_in')) {
      $this -> load -> library('user_agent');
                                                                  $session_data = $this -> session
                                                     -> userdata('logged_in');
                                                                  $data['usertype']
   function index() {
                                                     $session_data["uType"];
      $data['busCompanies']
                                                                  $data['username']
                                  $this
buscompany -> viewAll();
                                                     $session_data["uName"];
      if($this
                              session
                                           ->
userdata('logged_in')) {
                                                                  if($data['usertype'] == 'sAdmin')
         $session_data = $this -> session ->
userdata('logged_in');
                                                                     $bcName = $this -> input ->
         $data['username']
                                                     post('bcName');
$session_data["uName"];
                                                                     $query = $this -> buscompany -
         $data['userID']
                                                     > add($bcName);
$session_data["userID"];
                                                                     if($query) {
         $data['usertype']
                                                                        echo "Success";
$session_data["uType"];
         if($data['usertype'] == 'sAdmin') {
                                                                     else
                              load
                                                                        echo "Fail";
            $this
                    ->
view('templates/header_sAdmin', $data);
            $this -> load -> helper('form');
                                                              }
                   ->
            $this
                               load
                                                           }
view('viewall_companies', $data);
         }
                                                        function edit() {
            $this
                      ->
                                                           if(isset($this ->
                                load
                                                                                      input
view('templates/header btAdmin', $data);
                                                     request_headers()['ajaxOnly'])) {
                                                              if($this ->
                                                                                    session
                                                     userdata('logged_in')) {
                                                                  $session_data = $this -> session
      else {
        $this
                                                     -> userdata('logged_in');
                   ->
                               load
                                           ->
view('templates/header_default');
                                                                  $data['usertype']
                                                     $session_data["uType"];
      }
                                                                  $data['username']
                                                     $session_data["uName"];
   function check() {
                                                                  if($data['usertype'] == 'sAdmin')
     if(isset($this
                                 input
request_headers()['ajaxOnly'])) {
                                                     {
         if($this
                                                                     $bcName = $this -> input ->
                   ->
                           session
userdata('logged_in')) {
                                                     post('bcName');
            $session_data = $this -> session
                                                                     $id
                                                                              = $this -> input ->
-> userdata('logged_in');
                                                     post('id');
            $data['usertype']
$session_data["uType"];
                                                                     $query = $this -> buscompany -
            $data['username']
                                                     > edit($id, $bcName);
$session_data["uName"];
                                                                     if($query) {
                                                                        echo "Success";
            if($data['usertype'] == 'sAdmin')
{
                                                                     else
                                                                        echo "Fail";
               $bcName = $this -> input ->
post('bcName');
                                                              }
               $a = $this -> buscompany ->
                                                           }
check($bcName);
               if($a)
                                                        function setStatus() {
                  echo "Available";
               else
                                                           if(isset($this ->
                                                                                      input
                                                     request_headers()['ajaxOnly'])) {
                  echo "Not Available";
                                                              if($this
                                                                                    session
                                                     userdata('logged_in')) {
            }
         }
                                                                  $session_data = $this -> session
                                                     -> userdata('logged_in');
      }
                                                                  $data['usertype']
                                                     $session_data["uType"];
                                                                  $data['username']
   function add() {
                                                     $session_data["uName"];
```

```
$session data = $this -> session ->
             if($data['usertype'] == 'sAdmin')
                                                        userdata('logged_in');
                                                                  $data['username']
{
                                                        $session_data["uName"];
                $id
                          = $this -> input ->
                                                                  $data['userID']
post('id');
                                                        $session_data["userID"];
                                                                  $data['usertype']
                $status
                             = $this -> input
-> post('status');
                                                        $session_data["uType"];
                                                                  if($data['usertype'] == 'sAdmin') {
                                                                     $data['buses'] = $this -> bus ->
                $query = $this -> buscompany -
> setStatus($id, $status);
                                                        viewAll();
                if($query) {
                                                                     $data['busData'] = $this -> bus -
                   echo "Success";
                                                        > getRegisteredBuses();
                                                                     $data['isAdmin'] = true;
                else
                                                                     $this
                                                                               ->
                   echo "Fail";
                                                        view('templates/header_sAdmin', $data);
                                                                     $this
                                                                                ->
                                                                                          load
         }
                                                        view('viewall_buses', $data);
      }
   }
                                                                  else {
                                                        $data['buses'] = $this -> bus ->
viewAllComp($session_data["bCompanyID"]);
   function deleteCompany() {
                                                                     $data['busData'] = $this -> bus -
      if(isset($this ->
                                  input
request_headers()['ajaxOnly'])) {
                                                        > getRegisteredBuses();
          if($this
                                session
                                                                     $data['isAdmin'] = false;
                      ->
                                                                     $data['bTerminalID']
userdata('logged_in')) {
                                                        $session_data["bTerminalID"];
             $session_data = $this -> session
-> userdata('logged_in');
                                                                     $this
             $data['usertype']
                                                        view('templates/header_btAdmin', $data);
$session_data["uType"];
                                                                     $this
                                                                                ->
             $data['username']
                                                        view('viewall_buses', $data);
$session_data["uName"];
                                                                  }
             if($data['usertype'] == 'sAdmin')
                                                              else {
                                                                  $this
                $id
                          = $this -> input ->
                                                        view('templates/header_default');
post('id');
                                                                  $this -> load -> view('error_page');
                                                              }
                $query = $this -> buscompany -
                                                           }
> del($id);
                                                           function addBus() {
                if($query) {
                   echo "Success";
                                                              if(isset($this
                                                                                  ->
                                                                                           input
                                                        request_headers()['ajaxOnly'])) {
                else
                                                                  if($this
                                                                                        session
                   echo "Fail";
                                                        userdata('logged_in')) {
                                                                     $session_data = $this -> session
                                                        -> userdata('logged_in');
         }
      }
                                                                     $data['username']
   }
                                                        $session_data["uName"];
                                                                     $data['userID']
                                                        $session_data["userID"];
Buses.php
                                                                     $data['usertype']
                                                        $session_data["uType"];
defined('BASEPATH') OR exit('No direct script
                                                                     if($data['usertype'] == 'sAdmin')
access allowed');
                                                                        $this
                                                                                            load
                                                                                                      ->
class Buses extends CI_Controller {
                                                        helper('form');
                                                                        $this
                                                                                            load
                                                                                                      ->
                                                        model('buscompany', '', TRUE);
   function __construct() {
                                                                        $data['companies'] = $this ->
      parent::__construct();
      $this -> load -> model('bus', '', TRUE);
                                                        buscompany -> viewAll();
      $this -> load -> helper('html');
                                                                        $data['add'] = TRUE;
      $this -> load -> library('user_agent');
                                                                        $this
                                                                                            load
                                                                                    ->
                                                                                                      ->
                                                        view('busForm', $data);
   function index() {
                                                                     else {
      $data['isAdmin'] = false;
                                                                        $this
                                                                                            load
                                                                                    ->
                                                                                                      ->
      if($this
                               session
                                                        view('error_page');
userdata('logged_in')) {
```

```
echo "Success";
         else {
           $this
                                load
                                                                        else
                                           ->
                                                                           echo "Fail";
view('error_page');
                                                                     }
        }
                                                                     else {
   }
                                                                        echo "The bus is still on a
                                                     trip.";
                                                                     }
   function setStatus() {
      if(isset($this
                                input
request_headers()['ajaxOnly'])) {
         if($this
                   ->
                              session
                                                              }
userdata('logged_in')) {
                                                           }
            $session_data = $this -> session
                                                        }
-> userdata('logged_in');
            $data['usertype']
                                                        function ab() {
$session_data["uType"];
                                                           if(isset($this
            $data['username']
                                                     request_headers()['ajaxOnly'])) {
$session_data["uName"];
                                                              if($this
                                                                                    session
                                                     userdata('logged_in')) {
            if($data['usertype'] == 'sAdmin')
                                                                 $session_data = $this -> session
                                                     -> userdata('logged_in');
                         = $this -> input ->
                                                                 $data['usertype']
post('id');
                                                     $session_data["uType"];
               $status
                            = $this -> input
                                                                 $data['username']
-> post('status');
                                                     $session_data["uName"];
               if($status == "Active")
                                                                 if($data['usertype'] == 'sAdmin')
                  $suspended = false;
                                                     {
                                                                     $plateNo
                                                                                   = $this -> input
               else
                 $suspended = true;
                                                     -> post('bpNo');
               $query = $this ->
                                                                     $busCompanyID = $this -> input
                                      bus ->
setStatus($id, $suspended);
                                                     -> post('busCompanyID');
               if($query) {
                                                                     q = this
                                                                                          bus ->
                  echo "Success";
                                                     add($plateNo, $busCompanyID);
                                                                     if($q) {
                                                                        echo "Success";
                  echo "Fail";
                                                                     else {
         }
                                                                        echo "ERROR";
      }
                                                              }
   function setStatusA() {
                                                           }
      if(isset($this ->
                                                        }
                                input
                                           ->
request_headers()['ajaxOnly'])) {
                                                        if($this ->
                              session
                                           ->
userdata('logged_in')) {
            $session_data = $this -> session
                                                     request_headers()['ajaxOnly'])) {
-> userdata('logged_in');
                                                              if($this
                                                                          -> session
                                                     userdata('logged_in')) {
            $data['usertype']
$session_data["uType"];
                                                                 $session_data = $this -> session
                                                     -> userdata('logged_in');
            $data['username']
$session_data["uName"];
                                                                 $data['usertype']
                                                     $session_data["uType"];
            if($data['usertype']
                                                                 $data['username']
'btAdmin') {
                                                     $session_data["uName"];
               $id
                         = $this -> input ->
post('id');
                                                                  if($data['usertype'] == 'sAdmin')
               $av
                         = $this -> input ->
post('available');
                                                                     $plateNo
                                                                                   = $this -> input
                                                     -> post('id');
               $inTrip = $this -> bus ->
                                                                     $q
                                                                             $this
                                                                                          bus ->
inTrip($id);
                                                     delete($plateNo);
                                                                     if($q) {
                                                                        echo "Success";
               if(!$inTrip) {
                  $query = $this -> bus ->
setStatusA($id, $av);
                                                                     else {
                  if($query) {
                                                                        echo "ERROR";
```

```
}
                                                                   else
                                                                          if($data['usertype']
     } }
                                                      'btAdmin') {
                                                                      $locationData = array();
                                                                      b = \frac{1}{2}b = \frac{1}{2}b
   }
                                                      getPlateNos($session_data["bCompanyID"]);
                                                                      array_push($locationData,
   function busMap() {
                                                      time());
      if($this
                              session
                                                                      array_push($locationData,$this
userdata('logged_in')) {
                                                      -> bus -> getLocations($b));
         $session_data = $this -> session ->
                                                                      echo
userdata('logged_in');
                                                      json_encode($locationData);
         $data['usertype']
                                                                   }
$session_data["uType"];
         $data['username']
                                                            }
$session_data["uName"];
                                                         }
                                                      }
         if($data['usertype'] == 'sAdmin') {
            $data['buses'] = $this -> bus ->
                                                      2>
getPlateNos();
                                                      BusPersonnels.php
            $data['busData'] = $this -> bus -
                                                      <?php
                                                      defined('BASEPATH') OR exit('No direct script
> getLocations($data['buses']);
            $this
                    ->
                                 load
                                                      access allowed');
view('templates/header_sAdmin',$data);
                                                      class BusPersonnels extends CI_Controller {
            $this
                   ->
                                 load
view('view_busMap', $data);
                                                         function __construct() {
                                                            parent::__construct();
            $data['buses'] = $this -> bus ->
                                                            $this -> load -> helper('url');
getPlateNos($session_data["bCompanyID"]);
                                                            $this -> load -> model('buspersonnel',
            $data['busData'] = $this -> bus -
                                                      '', TRUE);
> getLocations($data['buses']);
                                                            $this -> load -> helper('html');
            $this ->
                                                            $this -> load -> library('user_agent');
view('templates/header_btAdmin',$data);
            $this
                       ->
                                            ->
                                                         function index() {
view('view_busMap', $data);
                                                            if($this
         }
                                                                                    session
                                                      userdata('logged_in')) {
                                                               $session_data = $this -> session ->
      else {
                                                      userdata('logged_in');
        $this
                                load
view('templates/header_default');
                                                               $data['username']
                                                      $session_data["uName"];
        $this -> load -> view('error_page');
                                                               $data['userID']
                                                      $session_data["userID"];
   }
                                                               $data['usertype']
   function getLocation() {
                                                      $session_data["uType"];
                                                               if($data['usertype'] == 'sAdmin') {
      if(isset($this ->
request_headers()['ajaxOnly'])) {
                                                                   $data['busPersonnels'] = $this ->
         if($this
                                                      buspersonnel -> viewAll();
                               session
userdata('logged_in')) {
                                                                   $this
            $session data = $this -> session
                                                      view('templates/header sAdmin', $data);
                                                                   $this -> load -> helper('form');
-> userdata('logged_in');
            $data['usertype']
                                                                   $this ->
                                                                                       load
                                                      view('viewall_personnels', $data);
$session_data["uType"];
            $data['username']
                                                               }
$session_data["uName"];
                                                                   $this
                                                                              ->
                                                                                       load
                                                                                                  ->
            if($data['usertype'] == 'sAdmin')
                                                      view('templates/header_btAdmin', $data);
{
                                                               }
                $locationData = array();
                $b = $this -> bus
                                                            else {
getPlateNos();
                                                               $this
                                                                                      load
                array_push($locationData,
                                                      view('templates/header_default');
time());
                                                               $this -> load -> view('error_page');
                array_push($locationData,$this
-> bus -> getLocations($b));
                                                         }
               echo
json_encode($locationData);
                                                         function editPersonnel($id) {
                                                            if($this ->
                                                      userdata('logged_in')) {
```

```
$session data = $this -> session ->
userdata('logged_in');
                                                                $data['busCompanies'] = $this
                                                       buscompany -> viewAll();
         $data['usertype']
$session_data["uType"];
                                                                $this
                                                                                       load
                                                                                                    ->
                                                       helper(array('form'));
         $data['username']
                                                                if($data['usertype'] == 'sAdmin') {
$session_data["uName"];
         $this -> load -> model('buscompany',
                                                                    $1Name
                                                                                 $this
                                                                                           input
'', TRUE);
                                                       post('lName');
         $this -> load -> model('busterminal',
                                                                    $fName
                                                                                 $this
                                                                                        ->
                                                                                            input
'', TRUE);
                                                       post('fName');
                                                                    $mName
                                                                                 $this
                                                                                            input
                                                                                        ->
                                                       post('mName');
         $data['busCompanies'] =
                                    $this
                                                                                 $this
                                                                                        ->
                                                                                            input
                                                                    $ssn
                                                                                                   ->
buscompany -> viewAll();
                                                       post('ssn');
         $data['busPersonnel'] =
                                     $this
                                                                    $bDav
                                                                                 $this
                                                                                            input
                                             ->
                                                                                        ->
                                                                                                   ->
                                                       post('bDay');
buspersonnel -> get($id);
         $data['busPersonnel'][0]
                                                                    $address =
                                                                                 $this
                                                                                            input
                                             ->
                                                                                        ->
                                                                                                   ->
busPersonnelID = $id;
                                                       post('address');
                                                                    $bCompany =
                                                                                 $this
                                                                                        ->
                                                                                            input
         $this
                                 load
                                                       post('bCompany');
helper(array('form'));
                                                                    $pType
                                                                                 $this
                                                                                        ->
                                                                                            input
         if($data['usertype'] == 'sAdmin') {
                                                       post('pType');
             $this -> load -> helper('form');
                                                                    $licenseNo
                                                                                 = $this -> input ->
             $this
                                 load
                                                       post('lNo');
                    ->
view('editPersonnel', $data);
                                                                    $expDay
                                                                                 = $this -> input ->
                                                       post('eDate');
      }
                                                                    $bpID
                                                                                 $this
                                                                                            input
                                                                                        ->
   }
                                                       post('bpid');
                                                                    $this
   function addPersonnel() {
                                                                                         load
                                                                                                    ->
                                                       model('busdriver', '', TRUE);
      if($this ->
                              session
userdata('logged_in')) {
         $session_data = $this -> session ->
                                                                    //$this
                                                                                      busdriver
                                                                               ->
                                                                                                    ->
                                                       delete($bpID);
userdata('logged_in');
         $data['usertype']
$session_data["uType"];
                                                                    $q = $this -> buspersonnel ->
         $data['username']
                                                       edit($bpID, $1Name, $fName, $mName, $ssn,
$session_data["uName"];
                                                       $bDay, $address, $bCompany, $pType);
         $this -> load -> model('buscompany',
                                                                    if($q && $pType == 'Driver') {
'', TRUE);
                                                                       $this -> busdriver
                                                       update($bpID, $licenseNo, $expDay);
         $data['busCompanies']
                                 = $this
buscompany -> viewAll();
         $this
                                            ->
                                                          header('Location:'.site_url('buspersonnels'
helper(array('form'));
                                                       ));
         if($data['usertype'] == 'sAdmin') {
                                                             }
                                 load
            $this
                     ->
view('templates/header sAdmin', $data);
                                                          }
            $this -> load -> helper('form');
            $this
                                 load
                                                          function add() {
view('addPersonnel', $data);
                                                             if($this
                                                                            ->
                                                                                     session
                                                       userdata('logged_in')) {
         }
                                                                $session_data = $this -> session ->
   }
                                                       userdata('logged_in');
                                                                $data['usertype']
   function edit() {
                                                       $session_data["uType"];
      if($this
                              session
                                                                $data['username']
userdata('logged_in')) {
                                                       $session_data["uName"];
         $session_data = $this -> session ->
userdata('logged_in');
                                                                $this -> load -> model('buscompany',
         $data['usertype']
                                                       '', TRUE);
$session_data["uType"];
         $data['username']
                                                                $data['busCompanies']
                                                                                            $this
                                                                                                   ->
$session_data["uName"];
                                                       buscompany -> viewAll();
                                                                $this
                                                                                        load
                                                                                                   ->
                                                       helper(array('form'));
         $this -> load -> model('buscompany',
'', TRUE);
                                                                if($data['usertype'] == 'sAdmin') {
```

```
function view($id) {
             $1Name
                          $this
                                  ->
                                      input
                                                               if($this
                                                                                        session
post('lName');
                                                        userdata('logged_in')) {
                                                                  if(isset($this
             $fName
                          $this
                                  ->
                                      input
                                              ->
                                                                                            input
                                                        request_headers()['ajaxOnly'])) {
post('fName');
                                                                      $data['personnel']
             $mName
                          $this
                                      input
                                                                                              $this
post('mName');
                                                        buspersonnel -> get($id);
                           $this
                                                                      $data['bpID'] = $id;
                                      input
                                                                                           load
post('ssn');
                                                                      $this
                                                                                 ->
                                                                                                       ->
             $bDay
                           $this
                                                        view('view_personnel', $data);
                                  ->
                                      input
post('bDay');
                                                                  }
             $address
                          $this
                                      input
                                                               }
                                                            }
post('address');
             $bCompany =
                          $this
                                      input
                                                            function delete($id) {
post('bCompany');
                          $this
                                                               if(isset($this ->
             $pType
                                                                                           input
                                  ->
                                      input
                                                                                                       ->
                                                        request_headers()['ajaxOnly'])) {
post('pType');
                                                                  if($this
             $licenseNo
                          = $this -> input ->
                                                                                         session
                                                                              ->
                                                        userdata('logged_in')) {
post('lNo');
                                                                      $session_data = $this -> session
             $expDay
                           = $this -> input ->
post('eDate');
                                                         -> userdata('logged_in');
                                                                      $data['usertype']
             $id = $this -> buspersonnel ->
                                                        $session_data["uType"];
                                                                      if($data['usertype'] == 'sAdmin')
add($1Name,
             $fName, $mName, $ssn,
$address, $bCompany, $pType);
                                                        {
                                                            if(unlink('uploads/profile/'.$id.'.jpg')) {
             if($pType == 'Driver') {
                       ->
                                                                            $query
model('busdriver', '', TRUE);
                                                        buspersonnel -> del($id);
                $this -> busdriver -> add($id,
                                                                             echo "Bus Personnel Record
                                                        Deleted";
$licenseNo, $expDay);
                                                                         }
             }
                                                                         else
             $path
                          realpath(APPPATH
                                                                            echo "ERROR!!!";
"../uploads/profile/");
             $config = array(
                                                                      else {
                                                                         echo "Invalid";
                 'upload_path' => $path,
                 'allowed_types'
                                              =>
'jpg|jpeg|png',
                                                                  }
                'width' => '192',
'height' => '192',
                                                                  else {
                                                                      echo "Invalid";
                 'file_name' => $id . ".jpg"
             );
             $this
                         ->
                                   load
                                                               else {
library('upload', $config);
                                                                  show_404();
             if(!$this
                                   upload
                                                               }
do_upload()) {
                                                            }
                $data['error']
                                    $this
upload -> display_errors();
                                                            function editPhoto() {
                                                               $id = $this -> input -> post('epID');
                $this
view('templates/header_sAdmin', $data);
                                                               $path
                                                                         =
                                                                                realpath(APPPATH
                $this
                                    load
                                                        "../uploads/profile/");
                           ->
                                              ->
helper('form');
                                                               $config = array(
                                                                   'upload_path' => $path,
                $this
                                    load
                                              ->
                                                                   'allowed_types' => 'jpg|jpeg|png',
view('addPersonnel', $data);
                                                                   'width' => '192',
             }
                                                                   'height' => '192<sup>'</sup>
             else {
                                                                   'file_name' => $id . ".jpg",
                $this
                       ->
                              buspersonnel
                                                                   'overwrite' => TRUE
addPhoto($id);
                                                               $this -> load -> library('upload',
   header('Location:'.site_url('buspersonnels'
));
                                                        $config);
                                                               if(!$this -> upload -> do_upload()) {
         }
                                                                  echo "Error";
      }
                                                               else {
   }
                                                            header('Location:'.site_url('buspersonnels'
                                                        ));
```

```
if($data['usertype'] == 'sAdmin') {
      }
   }
                                                                   $this
                                                                              ->
                                                                                        load
                                                      view('templates/header_sAdmin', $data);
                                                                   $this -> load -> helper('form');
                                                                   $data['stops'] = $this
BusRoutes.php
                                                      busroute -> getPoints();
defined('BASEPATH') OR exit('No direct script
                                                                   $data['add'] = TRUE;
access allowed');
                                                                   $this
                                                                           ->
                                                                                        load
                                                      view('routeForm', $data);
class BusRoutes extends CI_Controller {
                                                                else {
   function __construct() {
                                                                   $data['bTerminalID']
      parent::__construct();
                                                      $session_data["bTerminalID"];
      $this -> load -> model('busroute', '',
                                                                   $this ->
                                                                                        load
                                                      view('templates/header_btAdmin', $data);
TRUE);
      $this -> load -> helper('html');
                                                                   $data["busRoutes"]
                                                                                       = $this
      $this -> load -> library('user_agent');
                                                      busroute -> viewAll();
                                                                   $this
                                                                                        load
                                                                                                   ->
                                                      model('busterminal', '', TRUE);
                                                                   $data["endPoints"]
   function index() {
                                                                                           $this
                                                                                                  ->
      $data['busRoutes'] = $this -> busroute -
                                                      busterminal
> viewAll();
                                                      getAvailableTerminals($session_data["bCompanyID
      $data['isAdmin'] = false;
                                                       "]);
      if($this
                 ->
                              session
                                                                   $this
                                                                               ->
userdata('logged_in')) {
                                                      view('addOutgoingRoute', $data);
         $session_data = $this -> session
                                                                }
userdata('logged_in');
         $data['username']
$session_data["uName"];
                                                                $this
                                                                            ->
                                                                                                   ->
         $data['userID']
                                                      view('templates/header default');
$session_data["userID"];
                                                                $this -> load -> view('error_page');
         $data['usertype']
$session_data["uType"];
                                                         }
         if($data['usertype'] == 'sAdmin') {
            $this
                       ->
                                                         function editRoute($id) {
view('templates/header_sAdmin', $data);
                                                             if($this ->
                                                                                     session
                                                                                                   ->
                                                      userdata('logged_in')) {
            $data['isAdmin'] = true;
            $this
                                                                $session_data = $this -> session ->
                   ->
                                            ->
view('viewall_routes', $data);
                                                      userdata('logged_in');
                                                                $data['username']
         }
                                                      $session_data["uName"];
         else {
                                                                $data['userID']
            $this
                        ->
                                 load
                                            ->
                                                      $session_data["userID"];
view('templates/header_btAdmin', $data);
                                                                $data['usertype']
            $data['busRoutes'] = $this
                                                      $session_data["uType"];
busroute
                                            ->
viewAll($session_data["bTerminalID"]);
                                                                if($data['usertype'] == 'sAdmin') {
            $this
                                                                   $data['routeInfo'] = $this
                    ->
                                load
                                            ->
                                                      busroute -> getMapInfo($id);
view('viewall_outgoingroutes', $data);
                                                                   $data['routeID'] = $id;
         }
      }
                                                                   $this
                                                                           ->
                                                                                        load
                                                      view('templates/header_sAdmin', $data);
      else {
         $this
                                load
                                                                   $this -> load -> helper('form');
                     ->
                                                                   $data['stops']
view('templates/header_default');
                                                                                         $this
         $this
                ->
                                                      busroute -> getPoints();
                                load
view('viewall_routes', $data);
                                                                   $data['add'] = FALSE;
                                                                   $this ->
      }
                                                                                        load
                                                                                                   ->
                                                      view('routeForm', $data);
   function addRoute() {
                                                                else {
      if($this ->
                                                                   $this
                              session
                                                                               ->
                                                                                        load
                                                                                                   ->
userdata('logged_in')) {
                                                      view('templates/header_btAdmin', $data);
         $session_data = $this -> session ->
                                                                   $this
                                                                               ->
                                                                                        load
                                                                                                   ->
userdata('logged_in');
                                                      view('error_page');
         $data['username']
                                                                }
$session_data["uName"];
         $data['userID']
                                                             else {
$session_data["userID"];
                                                                $this
                                                                                       load
                                                                                                   ->
         $data['usertype']
                                                      view('templates/header_default');
                                                                $this -> load -> view('error_page');
$session_data["uType"];
```

```
}
                                                         function delete() {
   }
                                                            if(isset($this
                                                                                       input
   function add() {
                                                      request_headers()['ajaxOnly'])) {
      if(isset($this
                                                               if($this
                                 input
                                                                                     session
                                                                           ->
request_headers()['ajaxOnly'])) {
                                                      userdata('logged_in')) {
         if($this
                                                                   $session_data = $this -> session
                     ->
                               session
                                            ->
userdata('logged_in')) {
                                                      -> userdata('logged_in');
                                                                  $data['usertype']
            $session_data = $this -> session
                                                      $session_data["uType"];
-> userdata('logged_in');
            $data['usertype']
                                                                   $data['username']
$session_data["uType"];
                                                      $session_data["uName"];
            $data['username']
$session_data["uName"];
                                                                  if($data['usertype'] == 'sAdmin')
            if($data['usertype'] == 'sAdmin')
                                                                      rid = this -> input ->
                                                      post('rID');
{
                $rTo = $this -> input
                                                                      $q = $this -> busroute ->
post('rTo');
                                                      delete($rID);
                                                                      if($q) {
                $rFrom = $this -> input ->
                                                                                "Bus
post('rFrom');
                                                                         echo
                                                                                      Route
                                                                                              Record
                $rDetails = $this -> input ->
                                                      Deleted";
post('rDetails');
                $i = 0;
                                                                      else {
                  = $this ->
                                                                         echo "ERROR!";
                $p
                                    input
post('lat'.$i);
                $rPoints = array();
                while($this
                                                                          if($data['usertype']
post('lat'.$i)) {
                                                      'btAdmin') {
                   $p = $this ->
                                                                      rID = this -> input
                                    input ->
post('lat'.$i);
                                                      post('rID');
                   $p2 = $this -> input ->
                                                                        = $this -> busroute
post('lng'.$i);
                                                      deleteT($rID);
                   array_push($rPoints,
                                                                      if($q) {
                                                                                "Bus
array("lat" => $p, "lng" => $p2));
                                                                         echo
                                                                                      Route
                                                                                              Record
                                                      Deleted";
                   $i++;
                $pointIDArray
                                    $this
                                                                      else {
fixPoints($rPoints);
                                                                         echo "ERROR!";
                $q = $this -> busroute ->
                     $rFrom,
addRoute($rTo,
                                    $rDetails,
                                                                  }
$pointIDArray);
                                                               }
                if($q) {
    echo "Route Added";
                                                            }
                                                         }
                                                         function edit() {
                   echo "ERROR!";
                                                            if(isset($this
                                                                               ->
                                                                                       input
                                                                                                  ->
                                                      request_headers()['ajaxOnly'])) {
                                                               if($this
                                                                            ->
                                                                                     session
                                                                                                  ->
                    if($data['usertype']
                                                      userdata('logged_in')) {
            else
'btAdmin') {
                                                                   $session_data = $this -> session
                $rID
                         $this
                                                      -> userdata('logged_in');
                                ->
                                     input
post('rID');
                                                                   $data['usertype']
                                                      $session_data["uType"];
                         $this
                epA =
                                ->
                                     input
post('endPA');
                                                                  $data['username']
                                                      $session_data["uName"];
                         $this ->
                $enB =
                                    input
post('endPB');
                $q = $this -> busroute ->
                                                                  if($data['usertype'] == 'sAdmin')
addOutgoingRoute($rID, $epA, $epB);
                                                      {
                if($q) {
                                                                      $rID = $this -> input
                   echo "Route Added";
                                                      post('rID');
                                                                      $rTo = $this ->
                                                                                          input
                                                      post('rTo');
                else {
                   echo "ERROR!";
                                                                      $rFrom = $this -> input ->
                                                      post('rFrom');
        }
                                                                      $rDetails = $this -> input ->
                                                      post('rDetails');
     }
                                                                      $i = 0;
   }
```

```
$this ->
                                                              $data['isAdmin'] = false;
                                     input
post('lat'.$i);
                                                              if($this
                                                                            ->
                                                                                      session
                $rPoints = array();
                                                       userdata('logged_in')) {
                                                                 $session_data = $this -> session ->
                while($this ->
                                     input
post('lat'.$i)) {
                                                       userdata('logged_in');
                   $p = $this -> input
                                                                 $data['username']
                                                       $session_data["uName"];
post('lat'.$i);
                   $p2 = $this -> input ->
                                                                 $data['userID']
                                                       $session_data["userID"];
post('lng'.$i);
                                                                 $data['usertype']
                   array_push($rPoints,
array("lat" => $p, "lng" => $p2));
                                                       $session_data["uType"];
                   $i++;
                                                                 if($data['usertype'] == 'sAdmin') {
                                                                    $this
                                                                                ->
                                                                                         load
                $pointIDArray
                                                       view('templates/header_sAdmin', $data);
                                     $this
fixPoints($rPoints);
                $q = $this -> busroute ->
                                                                 else {
editRoute($rID,
                         $rFrom,
                                     $rDetails,
                                                                    $this
                                                                                ->
                  $rTo,
$pointIDArray);
                                                       view('templates/header_btAdmin', $data);
                if($q) {
                   echo "Route Updated";
                                                              else {
                else {
                                                                 $this
                                                                              ->
                                                                                         load
                   echo "ERROR!";
                                                       view('templates/header_default');
                                                              $this
                                                                     -> load -> view('viewRoute',
            }
         }
                                                       $data);
      }
                                                           }
                                                       }
   function viewMap() {
      $rID = $this -> input -> post('rID');
      $rInfo = $this -> busroute
                                                       BusTerminals.php
getMapInfo($rID);
                                                       defined('BASEPATH') OR exit('No direct script
      echo json_encode($rInfo);
                                                       access allowed');
   function fixPoints($rPoints) {
                                                       class BusTerminals extends CI_Controller {
      $this -> load -> model('stoppoint');
      $extraPoints = array();
                                                           function __construct() {
      $pointsID = array();
                                                              parent::__construct();
      for($i = 0; $i < count($rPoints); $i++)</pre>
                                                              $this -> load -> model('busterminal',
                                                        '', TRUE);
{
         $r = $rPoints[$i];
                                                              $this -> load -> helper('html');
         $id = $this ->
                                 stoppoint
                                                              $this -> load -> library('user_agent');
getIdB($r['lat'], $r['lng']);
                                                           }
         if($id == -1) {
                                                          function index() {
             array_push($extraPoints, array(
                "stopPointType" => "Stop",
"stopPointLat" => $r['lat'],
                                                              $data['busTerminals']
                                                       busterminal -> viewAll();
                "stopPointLong" => $r['lng']
                                                              if($this
                                                                                      session
                                                       userdata('logged_in')) {
             ));
         }
                                                                 $session_data = $this -> session ->
                                                       userdata('logged_in');
      if(count($extraPoints) != 0)
                                                                 $data['username']
         $this
                     ->
                                                       $session_data["uName"];
addBatch($extraPoints);
                                                                 $data['userID']
      for($i = 0; $i < count($rPoints); $i++)</pre>
                                                       $session_data["userID"];
                                                                 $data['usertype']
         $r = $rPoints[$i];
                                                       $session_data["uType"];
         $id = $this ->
                                                                 if($data['usertype'] == 'sAdmin') {
                                 stoppoint
getIdB($r['lat'], $r['lng']);
                                                                    $this
                                                                                          load
                                                                                 ->
                                                       view('templates/header_sAdmin', $data);
         array_push($pointsID, $id);
      return $pointsID;
                                                                 else {
   }
                                                                    $this
                                                                                ->
                                                                                          load
                                                                                                     ->
                                                       view('templates/header_btAdmin', $data);
   function viewRouteInfo($rID) {
                                                                 }
      $data['busRoute'] = $this -> busroute ->
getRoute($rID);
                                                              else {
```

```
$this
                                                                     $this
                                                                                       load
                   ->
                               load
                                                                                                 ->
view('templates/header_default');
                                                     view('error_page');
                                                              }
      $this
                                                              else {
view('viewall_terminals', $data);
                                                                  $this
                                                                                      load
                                                     view('templates/header_btAdmin',
                                                                                     $data);
                                                                  $this
                                                                                      load
                                                                                                 ->
   function addTerminal() {
                                                     view('error_page');
      if($this ->
                             session
                                                              }
userdata('logged_in')) {
         $session_data = $this -> session ->
                                                           else {
userdata('logged_in');
                                                              $this
                                                                                     load
         $data['username']
                                                     view('templates/header_default');
$session_data["uName"];
                                                              $this -> load -> view('error_page');
         $data['userID']
$session_data["userID"];
                                                        }
         $data['usertype']
$session_data["uType"];
                                                        function add() {
         if($data['usertype'] == 'sAdmin') {
                                                           if(isset($this
                                load
                                                     request_headers()['ajaxOnly'])) {
            $this
                   ->
                                                              if($this
view('templates/header_sAdmin', $data);
                                                                         ->
                                                                                    session
            $this -> load -> helper('form');
                                                     userdata('logged_in')) {
            $this
                       ->
                               load
                                                                  $session_data = $this -> session
model('busCompany');
                                                     -> userdata('logged_in');
            $data['busCompanies'] = $this ->
                                                                  $data['usertype']
busCompany -> viewAll();
                                                     $session_data["uType"];
                                                                  $data['username']
            $this
                                 load
view('addTerminal', $data);
                                                     $session_data["uName"];
                                                                  if($data['usertype'] == 'sAdmin')
         else {
            $this
                                 load
view('templates/header_btAdmin',
                               $data);
                                                                     $btName = $this -> input ->
                                                     post('btName');
            $this
                                load
                                           ->
                                                                     $btType
                                                                             = $this -> input ->
view('error_page');
                                                     post('btType');
         }
                                                                     $bCompany
      }
                                                                                  = $this -> input
                                                      -> post('bCompany');
         $this
                                                                                  = $this -> input
                               load
                                                                     $htlat
                     ->
                                                     -> post('btLat');
view('templates/header_default');
         $this -> load -> view('error_page');
                                                                     $btLong = $this -> input ->
                                                     post('btLong');
   }
                                                                     $this
                                                                                       load
                                                                                                 ->
                                                     model('stoppoint', '', TRUE);
   function editTerminal($id) {
      if($this ->
                             session
                                                                     $q1 = $this -> stoppoint ->
userdata('logged_in')) {
         $session_data = $this -> session ->
                                                     add($btName, $btLat, $btLong);
userdata('logged_in');
         $data['username']
                                                                     if($q1) {
$session_data["uName"];
                                                                        $btID = 0;
         $data['userID']
                                                                        foreach($this -> stoppoint
$session_data["userID"];
                                                     -> getIdA($btName, $btLat, $btLong) as $s)
         $data['usertype']
                                                                           $btID
$session_data["uType"];
                                                     stopPointID;
         if($data['usertype'] == 'sAdmin') {
                                                                        $q2 = $this -> busterminal
                                                     -> add($btID, $btType, $bCompany);
            $this ->
                                load
if($q2) {
                                                                                   "Bus
                                                                                           Terminal
                                                                           echo
                       ->
                                load
                                                     Added";
model('busCompany');
            $data['busCompanies'] = $this ->
                                                                        else {
                                                                           echo "ERROR";
busCompany -> viewAll();
            $data['busTerminal'] = $this ->
busterminal -> getTerminal($id);
            if($data['busTerminal'])
                                                                     else {
               $this
                      ->
                                  load
                                                                        echo "ERROR";
view('editTerminal', $data);
            else
                                                                  }
                                                              }
```

```
}
                                                          function getLocation() {
   }
                                                             if(isset($this ->
                                                                                         input
                                                       request_headers()['ajaxOnly'])) {
   function edit() {
      if(isset($this
                                                                 $data['sLatitude'] = $this -> input -
                                  input
request_headers()['ajaxOnly'])) {
                                                       > request_headers()["sLat"];
         if($this
                                                                 $data['sLongitude'] = $this -> input
                     ->
                               session
userdata('logged_in')) {
                                                        -> request_headers()["sLong"];
                                                                 echo $data['sLatitude'] . " "
             $session_data = $this -> session
-> userdata('logged_in');
                                                       $data['sLongitude'];
             $data['usertype']
                                                             }
$session_data["uType"];
                                                          }
             $data['username']
                                                          function delete($id) {
$session_data["uName"];
                                                              if(isset($this
             if($data['usertype'] == 'sAdmin')
                                                       request_headers()['ajaxOnly'])) {
                                                                 if($this
                                                                                       session
                $btName = $this -> input ->
                                                       userdata('logged_in')) {
post('btName');
                                                                    $session_data = $this -> session
                                                       -> userdata('logged_in');
                $btType = $this -> input ->
post('btType');
                                                                    $data['usertype']
                $bCompany
                             = $this -> input
                                                       $session_data["uType"];
                                                                    if($data['usertype'] == 'sAdmin')
-> post('bCompany');
                $btLat
                             = $this -> input
                                                                       $query = $this -> busterminal
-> post('btLat');
                $btLong
                          = $this -> input ->
                                                       -> delete($id);
                                                                       if($query) {
post('btLong');
                $btID
                          = $this -> input ->
                                                                           $this
                                                       model('stoppoint', '', TRUE);
post('btID');
                                                                           $query = $this -> stoppoint
                $this
                                                       -> delete($id);
                                   load
model('stoppoint', '', TRUE);
                                                                           if($query)
                                                                                      "Bus
                                                                              echo
                                                                                              Terminal
                $q1 = $this -> stoppoint ->
                                                       Record Deleted";
edit($btID, $btName, $btLat, $btLong);
                                                                           else
                                                                              echo "ERROR!!!";
                if($q1) {
                   $q2 = $this -> busterminal
                                                                       else
-> edit($btID, $btType, $bCompany);
                                                                           echo "ERROR!!!";
                   if($q2) {
                               "Bus
                                       Terminal
                                                                    else {
                      echo
Updated";
                                                                       echo "Invalid";
                   else {
                      echo "ERROR";
                                                                 else {
                                                                    echo "Invalid";
                else {
                   echo "ERROR";
                                                              else {
                                                                 show_404();
            }
         }
                                                          }
   }
                                                       Home.php
   function getTerminals($bcID) {
                                                       defined('BASEPATH') OR exit('No direct script
      if(isset($this ->
                                                       access allowed');
                                 input
request_headers()['ajaxOnly'])) {
                                                       class Home extends CI_Controller {
         $busTerminals = $this -> busterminal
-> getAvailableTerminals($bcID);
                                                          function __construct() {
         echo "<option disabled selected>Bus
                                                              parent::__construct();
Terminal</option>";
         foreach($busTerminals as $b) {
   echo "<option value = \"" . $b ->
                                                          function index()
stopPointID . "\"> " . $b -> stopPointName . "
</option>";
                                                              if($this
                                                                                      session
                                                       userdata('logged_in')) {
                                                                 $session_data = $this -> session ->
      }
   }
                                                       userdata('logged_in');
```

```
$data['username']
                                                                  $data['userID']
$session_data["uName"];
                                                        $session_data["userID"];
         $data['userID']
                                                                  $data['usertype']
$session_data["userID"];
                                                        $session_data["uType"];
         $data['usertype']
                                                                  if($data['usertype'] == 'sAdmin') {
$session_data["uType"];
                                                                     $this
                                                                                 ->
                                                                                         load
                                                        view('templates/header_sAdmin', $data);
         if($data['usertype'] == 'sAdmin') {
             $this
                                                                  }
view('templates/header_sAdmin', $data);
                                                                  else {
             $this
                                                                     $this
                                                                                 ->
                                                                                                      ->
                                                        view('templates/header_btAdmin', $data);
view('home_sAdmin', $data);
          else {
                                                              else {
             $this
                         ->
                                  load
view('templates/header_btAdmin',
                                 $data);
                                                                  $this->load->helper(array('form',
                                                        'url'));
            $this
                                  load
                         ->
                                             ->
view('home_btAdmin');
                                                                  $this
                                                        view('templates/header_default');
          }
      else {
                                                              $this -> load -> view('about');
         $this
                                 load
                                                           }
view('templates/header_default');
         $this -> load -> view('home');
                                                           function logout() {
                                                              $this
                                                                           ->
                                                                                      session
                                                                                                      ->
   }
                                                        unset_userdata('logged_in');
                                                              session_destroy();
redirect('home', 'refresh');
   function complaint() {
      $data['isAdmin'] = false;
      if($this
                 ->
                               session
userdata('logged_in')) {
                                                        Login.php
          $session_data = $this -> session ->
                                                        <?php
userdata('logged_in');
                                                        defined('BASEPATH') OR exit('No direct script
         $data['username']
                                                        access allowed');
$session_data["uName"];
         $data['userID']
                                                        class Login extends CI_Controller {
$session_data["userID"];
         $data['usertype']
                                                           function __construct() {
$session_data["uType"];
                                                              parent::__construct();
         if($data['usertype'] == 'sAdmin') {
             $this
                     ->
                                  load
view('templates/header_sAdmin', $data);
                                                           function index()
             $this
                        ->
                                  load
                                              ->
view('error_page', $data);
                                                              if($this
                                                                              ->
                                                                                       session
                                                                                                      ->
                                                        userdata('logged_in')) {
                                                                  redirect('home', 'refresh');
          else {
             $this
view('templates/header_btAdmin', $data);
                                                              else {
            $this
                                                                  $this
                                                                                         load
                                                        helper(array('form'));
view('error_page');
         }
                                                                 $this
                                                                                         load
                                                                                                      ->
                                                        view('templates/header_default');
      else {
                                                                  $this -> load -> view('login_page');
          $this->load->helper(array('form',
                                                              }
'url'));
                                                           }
         $this
                     ->
view('templates/header_default');
                                                        Reports.php
         $this
                                                        <?php
view('complaintForm');
                                                        defined('BASEPATH') OR exit('No direct script
                                                        access allowed');
      }
   }
                                                        class Reports extends CI_Controller {
   function about() {
      $data['isAdmin'] = false;
                                                           function __construct() {
      if($this
                    ->
                                                              parent::__construct();
userdata('logged_in')) {
                                                              $this -> load -> model('report', '',
         $session_data = $this -> session ->
                                                        TRUE);
userdata('logged_in');
                                                              $this -> load -> helper('html');
         $data['username']
                                                              $this -> load -> library('user_agent');
$session_data["uName"];
```

```
if($this
                                                                             ->
                                                                                      session
   function viewAllReports() {
                                                       userdata('logged_in')) {
                                                                 $session_data = $this -> session ->
      $data['isAdmin'] = false;
                                                       userdata('logged_in');
      if($this
                                                                 $data['username']
                               session
userdata('logged_in')) {
                                                       $session_data["uName"];
         $session_data = $this -> session ->
                                                                 $data['userID']
userdata('logged_in');
                                                       $session_data["userID"];
         $data['username']
                                                                 $data['usertype']
$session_data["uName"];
                                                       $session_data["uType"];
         $data['userID']
                                                                 if($data['usertype'] == 'sAdmin') {
$session_data["userID"];
                                                                    $data['complaints'] = $this
         $data['usertype']
                                                       report -> viewAllComplaints();
$session_data["uType"];
                                                                    $this
                                                                                          load
                                                                                                     ->
         if($data['usertype'] == 'sAdmin') {
                                                       view('templates/header_sAdmin', $data);
                                                                    $this
                                                                               ->
                                                                                          load
                                                                                                     ->
   date_default_timezone_set('Asia/Manila');
                                                       view('viewall_complaints', $data);
            if($this
                        ->
                                 report
                                                                 }
viewAllReports() == null) {
                $this
                                                                    $this
                          ->
                                  report
                                                                                ->
                                                                                         load
                                                                                                     ->
addReport((date('m')-1), date('Y'));
                                                       view('templates/header_btAdmin', $data);
                                                                    $this
                                                                                ->
                                                                                         load
                                                                                                     - >
             else {
                                                       view('error_page');
                $data['reports']
                                    = $this ->
report -> viewAllReports();
                $month = $data['reports'][0] ->
                                                              else {
                                                                 $this
reportMonth;
                $year = $data['reports'][0] ->
                                                       view('templates/header_default');
reportYear;
                                                                 $this -> load -> view('error_page');
                if($month !=
                                date('m')
                                                          }
$year != date('Y')) {
                   m = month+1;
                   y = year;
                                                          function viewComplaint($complaintID) {
                   while($m != (date('m')) ||
                                                              $data['isAdmin'] = false;
$y != date('Y')) {
                                                              if($this
                                                                             ->
                                                                                      session
                       if($m == 13) {
                                                       userdata('logged_in')) {
                                                                 $session_data = $this -> session ->
                          $y++;
                          m = 1;
                                                       userdata('logged_in');
                                                                 $data['usertype']
                       $this
                                                       $session_data["uType"];
                                    report
addReport($m, $y);
                                                                 if($data['usertype'] == 'sAdmin') {
                                                                    $cInfo = $this -> report ->
                       $m++;
                                                       getComplaint($complaintID);
                   }
                                                                     foreach($cInfo as $c) {
                                                                        echo json_encode($c);
             $data['reports']
                                     $this
                                                                        break;
report -> viewAllReports();
             $this
                                                                 }
view('templates/header_sAdmin',
                                                              }
                               $data);
             $this
                         ->
                                  load
                                                          }
view('viewall_reports', $data);
                                                           function viewReport($reportID) {
         }
                                                              $data['isAdmin'] = false;
         else {
             $this
                                                              if($this
                         ->
                                                                        ->
                                                                                      session
                                  load
                                             ->
                                                       userdata('logged_in')) {
view('templates/header_btAdmin', $data);
                                                                 $session_data = $this -> session ->
            $this
                         ->
                                  load
                                             ->
                                                       userdata('logged_in');
view('error_page');
                                                                 $data['username']
         }
                                                       $session_data["uName"];
                                                                 $data['userID']
      else {
                                                       $session_data["userID"];
         $this
                                 load
view('templates/header_default');
                                                                 $data['usertype']
                                                       $session_data["uType"];
         $this -> load -> view('error_page');
                                                                 if($data['usertype'] == 'sAdmin') {
                                                                    $data['report'] = $this -> report
   }
                                                        -> getReport($reportID);
   function viewAllComplaints() {
                                                                    $this
                                                                                         load
      $data['isAdmin'] = false;
                                                       view('templates/header_sAdmin', $data);
```

```
$this
                                  load
                                                                  $session_data = $this -> session ->
view('view_report', $data);
                                                        userdata('logged_in');
                                                                  $data['username']
                                                        $session_data["uName"];
          else {
                                                                  $data['userID']
             $this
                                  load
                                              ->
view('templates/header_btAdmin',
                                 $data);
                                                        $session_data["userID"];
                                                                  $data['usertype']
                                  load
            $this
                        ->
                                              ->
                                                        $session_data["uType"];
view('error_page');
                                                                  if($data['usertype'] == 'sAdmin') {
         }
                                                        $this ->
model('busTerminal', '', TRUE);
                                                                                           load
      else {
         $this
                                 load
                                                                     $data['busTerminals'] = $this
                       ->
view('templates/header_default');
                                                        busTerminal -> viewAll();
        $this -> load -> view('error_page');
                                                                     $this
                                                                                           load
                                                                                                       ->
                                                        view('templates/header_sAdmin', $data);
   }
                                                                  else {
   function addComplaint(){
                                                                     $data['bTerminalID']
      $data['isAdmin'] = false;
                                                        $session_data["bTerminalID"];
                                                                     $data['triplist']['outgoing']
      if($this
                 ->
                               session
                                              ->
userdata('logged_in')) {
                                                                       ->
                                                                                   trip
                                                        getOutgoingTrips($data['bTerminalID']);
         return false;
                                                                     $data['triplist']['incoming']
      else {
                                                                        ->
                                                                                      trip
         $cSender =
                        $this
                                                        getIncomingTrips($data['bTerminalID']);
                                ->
                                     input
post('cSender');
                                                                     $this
                                                                                 ->
                                                                                           load
                                                        view('templates/header_btAdmin', $data);
         $cIssue
                          $this
                                      input
                                              ->
post('cIssue');
                                                                  }
         $cDetails =
                        $this
                                     input
                                              ->
                                                               else {
post('cDetails');
                                                                  $this -> load -> model('busTerminal',
          $query = $this ->
                                    report
                                                                  $data['busTerminals'] = $this
addComplaint($cSender, $cIssue, $cDetails);
         if($query) {
                                                        busTerminal -> viewAll();
             echo "Report Sent";
                                                                  $this
                                                        view('templates/header_default');
         else {
             echo "ERROR!";
                                                               $this -> load -> view('viewall_trips',
                                                        $data);
      }
                                                           }
   }
}
                                                           function getTrips() {
                                                               if(isset($this
                                                                                           input
                                                        request_headers()['ajaxOnly'])) {
Trips.php
                                                                  $bTerminalID = $this -> input ->
defined('BASEPATH') OR exit('No direct script
                                                        post('bTerminalID');
                                                                  $this -> load -> model('busterminal',
access allowed');
                                                         '', TRUE);
class Trips extends CI Controller {
                                                                  $trips['outgoing']
                                                        trip -> getOutgoingTrips($bTerminalID);
   function __construct() {
                                                                  $trips['incoming']
                                                                                            = $this ->
      parent::__construct();
                                                        trip -> getIncomingTrips($bTerminalID);
      $this -> load -> model('trip',
                                                                  $trips['bTerminalData'] = $this ->
TRUE);
                                                        busterminal -> getTerminal($bTerminalID);
      $this -> load -> helper('html');
                                                                  echo json_encode($trips);
      $this -> load -> library('user_agent');
                                                           }
                                                           function departTrip() {
   function index() {
      $data = array();
                                                               if(isset($this
                                                                                           input
      $data['usertype'] = "Public";
                                                        request_headers()['ajaxOnly'])) {
      $data['bTerminalID'] = -1;
                                                                  $tripID = $this ->
                                                                                              input
                                                                                                       ->
      $data['busTerminals'] = array();
                                                        post('tripID');
      $data['tripList'] = array();
$data['triplist']['outgoing'] = null;
$data['triplist']['incoming'] = null;
                                                                 $q =
                                                                              $this
                                                                                              trip
                                                                                                      ->
                                                        departTrip($tripID);
                                                                  if($q) {
                                                                     echo "success";
      if($this
                               session
userdata('logged_in')) {
```

```
else
                                                                 }
             echo "ERROR";
                                                              }
                                                          }
      }
   }
                                                          function updateSeat() {
   function arriveTrip() {
                                                              if(isset($this
      if(isset($this ->
                                                       request_headers()['ajaxOnly'])) {
                                  input
request_headers()['ajaxOnly'])) {
                                                                 $tID
                                                                             $this
                                                                                            input
                                                       post("tripID");
         $tripID = $this
                                ->
                                     input
post('tripID');
                                                                 $num
                                                                             $this
                                                                                      ->
                                                                                            input
                                                       post("numSeats");
         $q =
                     $this
                                    trip
                                             ->
arriveTrip($tripID);
         if($q) {
                                                                 $q
                                                                            $this
                                                                                            trip
                                                                                                    ->
            echo "success";
                                                       updateSeat($tID, $num);
                                                                 if($q) {
         else
                                                                    echo "Success";
             echo "ERROR";
      }
                                                                 else {
   }
                                                                    echo "ERROR";
   function getRouteID() {
                                                              }
                                                          }
      if(isset($this
                                  input
request_headers()['ajaxOnly'])) {
         $terminalRouteID = $this -> input ->
                                                          function dispatch() {
                                                              $data = array();
$data['usertype'] = "Public";
post('trID');
         $route
                 = $this
                                                              $data['bTerminalID'] = -1;
getRouteID($terminalRouteID);
         foreach($route as $r) {
                                                              $data['busTerminals'] = array();
                                                              $data['tripList'] = array();
             echo $r -> routeID;
                                                              if($this ->
             break;
                                                       userdata('logged_in')) {
         }
      }
                                                                 $session data = $this -> session ->
                                                       userdata('logged_in');
                                                                 $data['username']
                                                       $session_data["uName"];
   function getPersonnelInfo() {
                                  input
                                                                 $data['userID']
      if(isset($this ->
request_headers()['ajaxOnly'])) {
                                                       $session_data["userID"];
         $personnelID = $this -> input
                                                                 $data['usertype']
                                                       $session_data["uType"];
post('pID');
                                                                 if($data['usertype'] == 'sAdmin') {
        $this
                                 load
model('buspersonnel', '', TRUE);
                                                                    $this
                                                                           ->
         $pInfo = $this -> buspersonnel ->
                                                       view('templates/header_sAdmin', $data);
                                                                    $this
                                                                                ->
get($personnelID);
         foreach($pInfo as $p) {
                                                       view('error_page');
                  -> busPersonnelID
                                                                 }
$personnelID;
                                                                    $data['bTerminalID']
             echo json_encode($p);
                                                       $session_data["bTerminalID"];
             break;
         }
                                                                    $this -> load -> model('bus', '',
                                                       TRUE);
      }
                                                                    $data['buses'] = $this -> bus ->
                                                       viewAll($session_data["bCompanyID"]);
                                                       $this ->
model('busroute', '', TRUE);
   function dispatchBus() {
                                                                                         load
      if(isset($this ->
                                  input
                                                                    $data['busRoutes'] = $this
request_headers()['ajaxOnly'])) {
         $pNo = $this -> input -> post("pNo");
                                                       husroute
                                                                                                    ->
         $rID = $this -> input -> post("rID");
                                                       viewAll($session_data["bTerminalID"]);
         $dID = $this -> input -> post("dID");
                                                       $this ->
model('buspersonnel', '', TRUE);
                                                                                         load
                                                                                                    ->
         $cID = $this -> input -> post("cID");
         $num =
                                                                    $data['busDrivers'] = $this
                    $this ->
                                   input ->
                                                                                                    ->
post("numSeats");
                                                       buspersonnel
                                                       getDrivers($session_data["bCompanyID"]);
         $q = $this -> trip -> dispatch($pNo,
                                                                    $data['busConductors'] = $this ->
$rID, $dID, $cID, $num);
                                                       buspersonnel
         if($q) {
   echo "Trip Added";
                                                       getConductors($session_data["bCompanyID"]);
                                                                    $this
                                                                               ->
                                                                                         load
                                                                                                    ->
                                                       view('templates/header_btAdmin', $data);
         else {
                                                                    $this
             echo "ERROR";
                                                       view('dispatchBus');
```

```
}
                                                        Users.php
      else {
                                                        <?php
                                                        defined('BASEPATH') OR exit('No direct script
         $this
                                 load
view('templates/header_default');
                                                        access allowed');
         $this -> load -> view('error page');
                                                        class Users extends CI_Controller {
   }
                                                            function __construct() {
                                                               parent::__construct();
   function viewHistory() {
                                                               $this -> load -> model('user', '',
                                                        TRUE);
      if($this
                               session
userdata('logged_in')) {
                                                               $this -> load -> helper('html');
          $session_data = $this -> session ->
                                                               $this -> load -> library('user_agent');
userdata('logged_in');
         $data['username']
$session_data["uName"];
                                                            function index() {
          $data['userID']
                                                               if($this
$session_data["userID"];
                                                        userdata('logged_in')) {
         $data['usertype']
                                                                  $session_data = $this -> session ->
$session_data["uType"];
                                                        userdata('logged_in');
                                                                  $data['username']
          if($data['usertype'] == 'sAdmin') {
                                                        $session_data["uName"];
             $this
                        ->
                                 load
view('templates/header_sAdmin', $data);
                                                                  $data['userID']
             $data['bTerminalID'] = "null";
                                                        $session_data["userID"];
             $data['trips'] = $this -> trip ->
                                                                  $data['usertype']
getHistory();
                                                        $session_data["uType"];
                                                                  if($data['usertype'] == 'sAdmin') {
                                                                      $data['users'] = $this -> user ->
             $data['bTerminalID']
                                                        viewAll();
$session data["bTerminalID"];
                                                                      $this
                                                                                           load
             $data['bCompanyID'] =
                                                        view('templates/header_sAdmin', $data);
$session_data["bCompanyID"];
                                                                      $this
                                                                                 ->
             $this
                                                        view('viewall_users', $data);
view('templates/header_btAdmin', $data);
             $data['trips'] = $this -> trip ->
                                                                  else {
getHistory($data['bTerminalID']);
                                                                      $this
                                                                                  ->
                                                                                                       ->
                                                        view('templates/header_btAdmin', $data);
          $this -> load -> view('viewHistory',
                                                                      $this
                                                                                  ->
                                                                                                       ->
$data);
                                                        view('error_page');
                                                                  }
      else {
         $this
                       ->
                                                               else {
view('templates/header_default');
                                                                  $this
                                                                                          load
         $this -> load -> view('error_page');
                                                        view('templates/header_default');
                                                                  $this -> load -> view('error_page');
   }
                                                            }
   function getHistory() {
                                                            function view($id) {
      if($this
                               session
userdata('logged in')) {
                                                               if(isset($this
                                                                                           input
                                                        request_headers()['ajaxOnly'])) {
   date_default_timezone_set('Asia/Manila');
                                                                  if($this
                                                                                         session
          $session_data = $this -> session ->
                                                        userdata('logged_in')) {
userdata('logged_in');
                                                                      $session_data = $this -> session
          $data['usertype']
                                                         -> userdata('logged_in');
$session_data["uType"];
                                                                      $data['username']
         if($data['usertype'] == 'sAdmin') {
   $data['trips'] = $this -> trip ->
                                                        $session_data["uName"];
                                                                      $data['userID']
getHistory();
                                                        $session_data["userID"];
                                                                      $data['usertype']
          else {
                                                        $session_data["uType"];
             $data['trips'] = $this -> trip ->
                                                                      if($data['usertype'] == 'sAdmin')
getHistory(array($session_data['bTerminalID'],
$session_data['bCompanyID']));
                                                                         foreach($this
                                                        view($id) as $u) {
          $data['date'] = date("Y-m-d h:i:s");
                                                                             $data['user'] = $u;
          echo json_encode($data);
                                                                             u \rightarrow userID = id;
   }
```

```
$this
                                load
                                                        $this
                                                                 -> form_validation ->
view('view_user', $data);
                                                   set_rules('pWord',
                                                                                    'Password',
                                                   trim|required|callback_cp');
                                                        $this -> form_validation -> run();
                                                        redirect('home', 'refresh');
      else {
        show_404();
                                                     function addUser() {
                                                        if(isset($this ->
  }
                                                                                 input
                                                   request_headers()['ajaxOnly'])) {
  function reset($id) {
   if(isset($this ->
                                                           if($this ->
                                                                                session
                               input
                                                   userdata('logged_in')) {
request_headers()['ajaxOnly'])) {
                                                              $session_data = $this -> session
        if($this -> session
                                                   -> userdata('logged_in');
userdata('logged_in')) {
                                                              $data['usertype']
           $session_data = $this -> session
                                                  $session_data["uType"];
-> userdata('logged_in');
                                                              $data['username']
           $data['usertype']
                                                  $session_data["uName"];
$session_data["uType"];
           if($data['usertype'] == 'sAdmin')
                                                              $this
                                                                                  load
                                                  model('buscompany', '', TRUE);
{
               $query = $this -> user ->
                                                              $data['busCompanies'] = $this ->
reset($id);
               if($query)
                                                  buscompany -> viewAll();
                 echo "Password was reset.";
                                                              $this
                                                                                  load
               else
                                                  helper(array('form'));
                                                              if($data['usertype'] == 'sAdmin')
                 echo "ERROR!!!";
                                                                 $this
            else {
                                                                                   load
                                                  view('addUser', $data);
              $this
                        ->
                                load
view('templates/header_btAdmin', $data);
            $this ->
view('error_page');
           }
        else {
                                                     function au() {
                                                        if(isset($this -> input
           $this
view('templates/header_default');
                                                   request_headers()['ajaxOnly'])) {
                                                           if($this -> session
          $this
                               load
                                                   userdata('logged_in')) {
view('error_page');
                                                              $session_data = $this -> session
        }
                                                   -> userdata('logged_in');
     else {
                                                              $data['usertype']
                                                  $session_data["uType"];
        show_404();
                                                              $data['username']
                                                  function changePassword() {
                                                   request_headers()["uType"];
    if($this -> session
                                                              $uName = $this -> input ->
                                                   request_headers()["uName"];
userdata('logged_in')) {
        $session_data = $this -> session ->
                                                              $bCompany = $this -> input ->
                                                  request_headers()["bCompany"];
userdata('logged_in');
                                                              $bTerminal = $this -> input ->
        $data['usertype']
$session_data["uType"];
                                                  request_headers()["bTerminal"];
        $data['username']
                                                              if($data['usertype'] == 'sAdmin')
$session_data["uName"];
        $this
                                                                 $exist = $this -> user ->
helper(array('form'));
                                                  existing($uName);
        if($data['usertype'] == 'sAdmin') {
                                                                  if($exist) {
                            load
           $this ->
                                                                                      "Username
                                                                    echo
view('templates/header_sAdmin', $data);
                                                  exists.<br>";
         $this -> load -> view('changePass');
                                                                    $q1 = $this -> user ->
  }
                                                  add($uName, $uType);
                                                                  if($uType == "btAdmin") {
  function cpass() {
                                                                    if($bCompany ==
     $this ->
                             load
                                                  Company") {
library('form_validation');
```

```
echo "Please select the
                                                                        echo
                                                                                  "User
                                                                                            Account
company. <br>";
                                                     Deleted";
                                                                     else
                   if($bTerminal
                                                                        echo "ERROR!!!";
                                          "Bus
Terminal") {
                                                                  }
                      echo "Please select the
                                                                  else {
terminal.";
                                                                     echo "Invalid";
                   if(!$exist && $bCompany !=
                                                               }
"Bus Company" && $bTerminal != "Bus Terminal")
                                                               else {
                                                                  echo "Invalid";
                      foreach($this -> user ->
getID($uName) as $u)
                         uID = u -> userID;
                                                           else {
                      $this -> load ->
                                                               show_404();
}
busterminaladmin
                      add($uID,
                                  $bCompany,
                   ->
$bTerminal);
                                                     VerifyLogin.php
                   }
               }
                                                     <?php
                                                     defined('BASEPATH') OR exit('No direct script
               if(isset($q1)) {
                                                     access allowed');
                   if($q1) {
                              "User
                                       added.
                                                     class VerifyLogin extends CI_Controller {
                      echo
Refreshing Page.";
                                                        function __construct() {
                   else
                                                           parent::__construct();
                      echo "ERROR";
                                                           $this -> load -> model('user', '',
                                                     TRUE);
               }
                        if(isset($q1)
                                           &&
               else
                                                        }
isset($q2)) {
                   if($q1 && $q2) {
                                                        function index() {
                      echo
                              "User
                                       added.
                                                           $this
                                                                        ->
                                                                                    load
                                                                                                 ->
                                                     library('form_validation');
Refreshing Page.";
                   else
                                                           $this
                                                                             form_validation
                                                     set_rules('uName',
                      echo "ERROR";
                                                                                        'Username',
                                                      'trim|required');
            }
                                                           $this
                                                                             form_validation
                                                     set_rules('pWord',
         }
                                                                                        'Password',
      }
                                                      'trim|required|callback_check_database');
   }
                                                           if($this -> form_validation -> run() ==
                                                     FALSE) {
   function cp($password) {
                             session
                                                               $this
      if($this
                                                                                     load
userdata('logged_in')) {
                                                     view('templates/header_default');
         $session_data = $this -> session ->
                                                               $this -> load -> view('login_page');
userdata('logged_in');
         $id = $session data["userID"];
                                                           else {
         $result = $this -> user -> cp($id,
                                                              if($this -> input -> post('pWord') !=
$password);
                                                     "default")
                                                                  redirect('home', 'refresh');
      }
   }
                                                                  redirect('users/changePassword',
   function delete($id) {
                                                      'refresh');
      if(isset($this
                                                           }
request_headers()['ajaxOnly'])) {
                                                        }
         if($this
                     ->
userdata('logged_in')) {
                                                        function check_database($password) {
            $session_data = $this -> session
                                                           $username = $this ->
                                                                                         input
-> userdata('logged_in');
                                                     post('uName');
            $data['usertype']
$session_data["uType"];
                                                           $result =
                                                                           $this
                                                                                         user
                                                                                                 ->
            if($data['usertype'] == 'sAdmin')
                                                     login($username, $password);
               $query = $this -> user ->
                                                           if($result) {
delete($id);
                                                               $sess_array = array();
                                                               foreach($result as $row) {
               if($query)
```

```
$sess_array = array(
                                                             $query = $mainDB -> get();
                'userID'
                                    $row
userID,
                                                             return $query -> result();
                'uName'
                             => $row -> uName,
                'uType'
                            => $row -> uType,
                'bCompanyID' =>
                                   $row
                                                          function getLocations($busPlateNos) {
                                                      $busDB = $this -> load ->
database('busDB', TRUE);
busCompanyID,
                'bTerminalID'=>
busTerminalID
                                                             $busDB -> select('*');
            $this
                                                             $busDB -> from('bus');
                    ->
                               session
                                            ->
set_userdata('logged_in', $sess_array);
                                                             $busDB
                                                                       ->
                                                                               where in('busPlateNo',
                                                      $busPlateNos);
         return TRUE;
                                                             $query = $busDB -> get();
      }
      else {
                                                             return $query -> result();
         $this
                ->
                         form_validation
set_message('check_database', '<div class =</pre>
\'alert alert-danger\'>Invalid Username or
                                                          function getPlateNos($id = null) {
Password</div>');
                                                             $mainDB = $this ->
                                                                                           load
                                                      database('default', TRUE);
        return FALSE;
                                                             $mainDB -> select('*');
   }
                                                             $mainDB -> from('bus');
$mainDB -> join('buscompany',
Bus.php
                                                       'buscompany.busCompanyID = bus.busCompanyID');
                                                             if($id === null) {}
<?php
                                                             else {
class Bus extends CI_Model {
                                                                $mainDB -> where('bus.busCompanyID',
                                                      $id);
   function viewAll($id = null) {
      $mainDB = $this ->
                                    load
                                                             $mainDB
                                                                                                   ->
database('default', TRUE);
                                                      order_by('busCompanyName','busPlateNo');
                                                             $query = $mainDB -> get();
      $mainDB -> select('*');
                                                             $result = $query -> result();
      $mainDB -> from('bus');
      $mainDB -> join('buscompany',
                                                             $plateNos = [];
'buscompany.busCompanyID = bus.busCompanyID');
      if($id === null) {}
                                                             foreach($result as $r) {
                                                                array_push($plateNos,
      else {
         $mainDB -> where('bus.busCompanyID',
                                                      busPlateNo);
$id);
                                                             }
         $mainDB -> where('bus.busAvailable',
1);
                                                             return $plateNos;
         $mainDB -> where('bus.busSuspended',
0);
                                                          function inTrip($id) {
      $mainDB
                                                             $this -> db -> select('*');
order_by('busCompanyName','busPlateNo');
                                                             $this -> db -> from('trip');
      $query = $mainDB -> get();
                                                             $this -> db -> where('busPlateNo', $id);
                                                             $this -> db -> where('timeArrived',
      return $query -> result();
                                                      null);
                                                             $q = $this -> db -> get();
   function viewAllComp($id = null) {
                                                             if(q \rightarrow num_rows() == 0)
     $mainDB = $this ->
                                    load
                                                                return false;
database('default', TRUE);
                                                             else
                                                                return true;
      $mainDB -> select('*');
      $mainDB -> from('bus');
$mainDB -> join('buscompany',
                                                          function getRegisteredBuses() {
'buscompany.busCompanyID');
                                                                                            load ->
                                                             $busDB = $this ->
      if($id === null) {}
                                                      database('busDB', TRUE);
                                                             $busDB -> select('*');
         $mainDB -> where('bus.busCompanyID',
$id);
                                                             $busDB -> from('bus');
                                                             $query = $busDB -> get();
      $mainDB
order_by('busCompanyName','busPlateNo');
                                                             return $query -> result();
```

```
}
                                                           $query = $this -> db -> get();
   function add($plateNo, $busCompanyID) {
      $mainDB = $this
                            -> load
                                                           if($query -> num_rows() > 0) {
database('default', TRUE);
                                                              return $query -> result();
      $data = array(
                                                        }
         'busPlateNo' => $plateNo,
         'busCompanyID' => $busCompanyID,
                                                        function check($bcName) {
                                                           $this -> db -> select('*');
         'busAvailable' => TRUE
                                                           $this -> db -> from('buscompany');
      $query = $mainDB -> insert('bus',
                                                           $this -> db -> where('busCompanyName',
$data);
                                                     $bcName);
      return $query;
                                                           $query = $this -> db -> get();
                                                           if($query -> num_rows() > 0) {
   function setStatus($plateNo, $suspended) {
                                                               return FALSE;
      $mainDB = $this -> load ->
database('default', TRUE);
                                                           else
      $data = array(
                                                               return TRUE;
                                                        }
        'busSuspended' => $suspended
      $mainDB
                          where('busPlateNo',
                                                        function add($bcName) {
                   ->
$plateNo);
                                                            $data = array(
      $query = $mainDB -> update('bus',
                                                               'busCompanyName' => $bcName,
$data);
                                                               'busCompanyStatus' => 'Active'
      return $query;
                                                           $query
                                                                           $this
                                                     insert('buscompany', $data);
   function setStatusA($plateNo, $available) {
                                                           return $query;
     $mainDB = $this
                            -> load ->
database('default', TRUE);
      if($available == "true")
                                                        function edit($id, $bcName) {
         $data = array(
                                                            $data = array(
            'busAvailable' => true
                                                               'busCompanyName' => $bcName
         );
                                                            $this -> db -> where('busCompanyID',
                                                     $id);
         $data = array(
            'busAvailable' => false
                                                           $query
                                                                           $this
                                                     update('buscompany', $data);
      $mainDB
                           where('busPlateNo',
                                                           return $query;
$plateNo);
      $query = $mainDB -> update('bus',
$data);
                                                        function setStatus($id, $status) {
                                                           $data = array(
      return $query;
                                                               'busCompanyStatus' => $status
   function delete($plateNo) {
                                                           $this -> db -> where('busCompanyID',
     $mainDB = $this
                                                     $id);
                                   load
database('default', TRUE);
                                                                           $this
                                                           $query
                                                                   =
                                                     update('buscompany', $data);
                          where('busPlateNo',
      $mainDB
                  ->
$plateNo);
                                                           return $query;
      $query = $mainDB -> delete('bus');
      return $query;
   }
                                                        function del($id) {
                                                           $this -> db -> where('busCompanyID',
}
                                                           $query =
                                                                           $this
                                                                                          db
                                                     delete('buscompany');
BusCompany.php
                                                           return $query;
<?php
class BusCompany extends CI_Model {
                                                     }
   function viewAll() {
      $this -> db -> select('*');
                                                     BusDriver.php
      $this -> db -> from('buscompany');
                                                     <?php
      $this
                 ->
                               db
order_by('busCompanyName', 'asc');
                                                     class BusDriver extends CI Model {
```

```
$this
                                                                             ->
                                                                                                     ->
                                                        order_by('busPersonnelFName', 'asc');
   function add($id, $licenseNo, $expDay) {
      $data = array(
                                                              $this
                                                                           ->
                                                                                         db
          'busPersonnelID'
                                                        order_by('busPersonnelMName', 'asc');
                                 => $id,
          'licenseNo'
                                 => $licenseNo,
          'expirationDate'
                             => $expDay
                                                              $query = $this -> db -> get();
      );
                                                              if($query -> num_rows() > 0) {
      $this -> db -> insert('busdriver',
                                                                 return $query -> result();
$data);
                                                           }
      return $this -> db -> insert_id();
   }
                                                           function getConductors($bcID) {
   function delete($id) {
                                                              $this -> db -> select('*');
      $this -> db -> where('busPersonnelID',
                                                              $this -> db -> from('buspersonnel');
                                                              $this -> db -> where('busPersonnelType',
$id):
      $query
                      $this
                                       db
                                                        'Conductor');
delete('busdriver');
                                                              $this -> db -> where('busCompanyID',
      return $query;
                                                        $bcID);
                                                              $this
   }
                                                                             ->
                                                                                                     ->
                                                        order_by('busPersonnelLName', 'asc');
   function update($id, $licenseNo, $expDay) {
                                                              $this
                                                                            ->
                                                                                         dh
                                                                                                      - >
      $data = array(
                                                        order_by('busPersonnelFName', 'asc');
          'licenseNo
                                 => $licenseNo.
                                                              $this
                                                                             ->
                                                                                         db
                                                                                                     ->
          'expirationDate'
                             => $expDay
                                                        order_by('busPersonnelMName', 'asc');
                                                              $query = $this -> db -> get();
      $this -> db -> where('busPersonnelID',
$id);
                                                              if($query -> num_rows() > 0) {
                                                                 return $query -> result();
      $query
                      $this
                                       db
update('busdriver', $data);
                                                           }
      return $query;
   }
                                                           function add($1Name, $fName, $mName, $ssn,
                                                        $bDay, $address, $bCompany, $pType) {
}
                                                              $data = array(
                                                                  'busPersonnelFName'
                                                                                         => $fName,
                                                                  'busPersonnelMName'
                                                                                         => $mName,
2>
BusPersonnel.php
                                                                  'busPersonnelLName'
                                                                                         => $1Name,
                                                                  'busPersonnelSSN'
                                                                                         => $ssn,
<?php
                                                                  'busPersonnelBDay'
                                                                                         => $bDay,
class BusPersonnel extends CI_Model {
                                                                  'busPersonnelAddress'
                                                                                        => $address,
                                                                  'busPersonnelType'
                                                                                         => $pTvpe,
   function viewAll() {
                                                                  'busCompanyID'
                                                                                         => $bCompany
      $this -> db -> select('*');
                                                              );
      $this -> db -> from('buspersonnel');
                                                              $this -> db -> insert('buspersonnel',
      $this
                ->
                                db
                                              ->
order_by('busPersonnelLName', 'asc');
                                                        $data);
                                                              return $this -> db -> insert_id();
      $this ->
                                 dh
order_by('busPersonnelFName', 'asc');
                                 db
      $this
                  ->
                                             ->
                                                           }
order_by('busPersonnelMName', 'asc');
                                                           function edit($bpID, $1Name,
                                                                                                $fName.
      $query = $this -> db -> get();
                                                        $mName, $ssn, $bDay, $address, $bCompany,
                                                        $pType) {
      if($query -> num_rows() > 0) {
                                                              $data = array(
         return $query -> result();
                                                                  'busPersonnelFName'
                                                                                         => $fName,
                                                                  'busPersonnelMName'
                                                                                         => $mName,
   }
                                                                  'busPersonnelLName'
                                                                                         => $1Name,
                                                                  'busPersonnelSSN'
                                                                                         => $ssn,
   function getDrivers($bcID) {
   $this -> db -> select('*');
                                                                  'busPersonnelBDay'
                                                                                         => $bDay,
                                                                  'busPersonnelAddress'
                                                                                        => $address,
      $this -> db -> from('buspersonnel');
                                                                  'busPersonnelType'
                                                                                         => $pType,
                                                                  'busCompanyID'
      $this -> db -> where('busPersonnelType',
                                                                                         => $bCompany
'Driver');
                                                              );
      $this -> db -> where('busCompanyID',
$bcID);
                                                              $this -> db -> where('busPersonnelID',
      $this
                     ->
                                                        $bpID);
order_by('busPersonnelLName', 'asc');
```

```
$this
                                     db
      $a
           =
update('buspersonnel', $data);
                                                                return $query -> result();
      return $q;
                                                             }
                                                          }
   function addPhoto($id) {
                                                          function getRoute($rID) {
                                                             $this -> db -> select('*');
      $this -> db -> where ('busPersonnelID',
                                                             $this -> db -> from('route');
                                                             $this -> db -> where('routeID', $rID);
      $this -> db -> update('buspersonnel',
array('busPersonnelProfilePath'
                                                             $q = $this -> db -> get();
"/uploads/profile/" . $id . ".jpg"));
                                                             $data = array();
                                                             $data["routeInfo"] = $q -> result();
   function get($id) {
      $this -> db -> select('*');
                                                             $this -> db -> select('*');
      $this -> db -> from('buspersonnel');
$this -> db -> join('busdriver',
                                                             $this -> db -> from('routepoint');
                                                             $this
'buspersonnel.busPersonnelID
                                                       join('stoppoint','stoppoint.stopPointID
busdriver.busPersonnelID', 'left');
                                                       routepoint.stopPointID');
                                                             $this -> db -> where('routeID', $rID);
      $this
                ->
                                dh
join('buscompany','buspersonnel.busCompanyID =
                                                             $this
                                                                          ->
                                                                                        db
                                                       order_by('orderNo', 'asc');
buscompany.busCompanyID');
                                                             $q2 = $this -> db -> get();
      $this ->
where('buspersonnel.busPersonnelID', $id);
      $query = $this -> db -> get();
                                                             $data["routePoints"] = $q2 -> result();
      if($query -> num_rows() > 0) {
                                                             return $data;
         return $query -> result();
                                                          function addOutgoingRoute($rID, $epA, $epB)
   }
   function del($id) {
                                                             $data = array(
      $this -> db -> where('busPersonnelID',
                                                                 "routeID"
                                                                                 => $rID,
                                                                 "endpointTerminalA" => $epA,
                                                                 "endpointTerminalB" => $epB
      $query
              =
                   $this
                              -> db
delete(array('buspersonnel', 'busdriver'));
                                                             );
                                                             $q
      return $query;
                                                                          $this
                                                       insert('terminalroute', $data);
   }
                                                             return $q;
}
                                                          function getPoints() {
?>
BusRoute.php
                                                             $this -> db -> select('*');
                                                             $this -> db -> from('stoppoint');
<?php
                                                             $query = $this -> db -> get();
class BusRoute extends CI_Model {
                                                             return $query -> result();
   function viewAll($id = null) {
      if($id === null) {
         $this -> db -> select('*');
                                                          function getMapInfo($rID) {
         $this -> db -> from('route');
                                                             $data = array();
         $this -> db -> order_by('routeFrom',
                                                             $this -> db -> select('*');
                                                             $this -> db -> from('route');
'asc');
                                                             $this -> db -> where('routeID', $rID);
         $this -> db -> order_by('routeTo',
'asc');
                                                             $query = $this -> db -> get();
         $this
                                                             $d = $query -> result();
order_by('routeDetails', 'asc');
                                                             $data['mainInfo']['rTo']
                                                                                           = $d[0] \rightarrow
         $query = $this -> db -> get();
                                                       routeTo;
                                                             $data['mainInfo']['rFrom']
                                                                                              = $d[0]
         return $query -> result();
                                                       -> routeFrom;
                                                             $data['mainInfo']['rDetails']
      }
                                                                                              = $d[0]
      else {
                                                       -> routeDetails;
         $this -> db -> select('*');
         $this -> db -> from('terminalroute');
         $this -> db -> join('route',
                                                             $this -> db -> select('*');
'terminalroute.routeID = route.routeID');
                                                             $this -> db -> from('routepoint');
                                                             $this -> db -> join('stoppoint',
         $this ->
where('endpointTerminalA', $id);
                                                       'stoppoint.stopPointID
         $query = $this -> db -> get();
                                                       routepoint.stopPointID');
```

```
$this -> db -> where('routeID', $rID);
      $this -> db -> order_by('orderNo',
                                                               $pointsArray = array();
'asc');
                                                               $i = 0;
      $query = $this -> db -> get();
                                                               foreach($pointIDArray as $p) {
      $dp = $query -> result();
                                                                  array_push($pointsArray,array(
                                                                      "routeID"
                                                                                     => $rID,
      $data['routePoints'] = array();
                                                                      "stopPointID"=> $p,
      foreach($dp as $p) {
                                                                      "orderNo"
                                                                                 => $i
          array_push($data['routePoints'],
                                                                  ));
array('lat' => $p -> stopPointLat, 'lng' => $p
                                                                  $i++;
-> stopPointLong));
      }
                                                               $query
                                                                               $this
                                                                                        ->
                                                                                                       ->
                                                        insert_batch('routepoint', $pointsArray);
      return $data;
                                                               return $query;
   function delete($rID) {
                                                        }
      $q = $this -> db -> delete('routepoint',
array('routeID' => $rID));
      if($q) {
                                                        BusTerminal.php
$q = $this -> db -> delete('route',
array('routeID' => $rID));
                                                         <?php
                                                        class BusTerminal extends CI Model {
      }
      return $q;
                                                            function viewAll() {
   }
                                                               $this -> db -> select('*');
                                                               $this -> db -> from('busterminal');
   function deleteT($rID) {
            = $this
                              ->
                                                               $this -> db -> join('stoppoint',
delete('terminalroute', array('terminalRouteID'
                                                         'stoppoint.stopPointID
                                                        busterminal.stopPointID');
=> $rID));
                                                               $query = $this -> db -> get();
      return $q;
                                                               if($query -> num_rows() > 0) {
   function addRoute($rTo, $rFrom, $rDetails,
                                                                  return $query -> result();
$pointIDArray) {
      $data = array(
                                                               else
          "routeFrom"
                         => $rFrom,
                                                                  return FALSE;
          "routeTo"
                         => $rTo,
                                                            }
          "routeDetails" => $rDetails
                                                            function getAvailableTerminals($bcID) {
      $this -> db -> insert('route', $data);
                                                               $this -> db -> select('*');
      $routeID = $this -> db -> insert_id();
                                                               $this -> db -> from('busterminal');
                                                               $this -> db -> join('stoppoint',
      $pointsArray = array();
      $i = 0;
                                                         'stoppoint.stopPointID
      foreach($pointIDArray as $p) {
                                                        busterminal.stopPointID');
          array_push($pointsArray,array(
                                                               $this
                                                                             ->
                                                                                                       ->
             "routeID" => $routeID,
                                                         where('busterminal.busCompanyID', $bcID);
             "stopPointID"=> $p,
                                                               $this
                                                                                          db
                                                                              ->
             "orderNo" => $i
                                                        or_where('busterminal.busTerminalType'
                                                         'Shared');
          ));
          $i++;
                                                               $this
                                                                              ->
                                                        order_by('stoppoint.stopPointName', 'asc');
      $query
                =
                      $this
                              ->
                                       db
insert_batch('routepoint', $pointsArray);
                                                               $query = $this -> db -> get();
      return $query;
   }
                                                               if($query -> num_rows() > 0) {
                                                                  return $query -> result();
   function editRoute($rID,
                                $rTo,
                                         $rFrom.
$rDetails, $pointIDArray) {
                                                               else
      $data = array(
                                                                  return FALSE;
          "routeFrom"
                         => $rFrom,
                                                            }
          "routeTo"
                         => $rTo,
          "routeDetails" => $rDetails
                                                            function getTerminal($btID) {
                                                               $this -> db -> select('*');
      $this -> db -> where('routeID', $rID);
$this -> db -> update('route', $data);
                                                               $this -> db -> from('busterminal');
$this -> db -> join('stoppoint',
                                                         'stoppoint.stopPointID
      $this -> db -> where('routeID', $rID);
                                                        busterminal.stopPointID');
      $this -> db -> delete('routepoint');
```

```
->
                                 dh
                                                        <?php
                                             ->
where('busterminal.stopPointID', $btID);
                                                        class Report extends CI_Model {
      $query = $this -> db -> get();
                                                           function viewAllReports() {
                                                              $this -> db -> select('*');
      if($query -> num_rows() > 0) {
                                                              $this -> db -> from('report');
                                                              $this -> db -> order_by('reportYear',
         return $query -> result();
                                                              $this -> db -> order_by('reportMonth',
      else
          return FALSE;
                                                        'desc');
   }
                                                              $query = $this -> db -> get();
   function add($btID, $btType, $bCompany) {
                                                              if($query -> num_rows() > 0) {
      if($bCompany == "Bus Company")
                                                                  return $query -> result();
          $bCompany = null;
      $data = array(
                                                              else return null;
          'stopPointID' => $btID,
          'busTerminalType' => $btType,
          'busCompanyID' => $bCompany
                                                           function viewAllComplaints() {
                                                              $this -> db -> select('*');
                                                               $this -> db -> from('complaint');
      $query
                      $this
                                       db
                                ->
                                              ->
insert('busterminal', $data);
                                                              $this -> db -> order_by('complaintDate',
      return $query;
                                                        'desc');
                                                              $query = $this -> db -> get();
   function edit($btID, $btType, $bCompany) {
                                                              if($query -> num_rows() > 0) {
      if($btType == "Shared")
                                                                  return $query -> result();
          $bCompany = null;
      $data = array(
                                                              else return null;
          'busTerminalType' => $btType,
                                                           }
          'busCompanyID' => $bCompany
                                                           function
                                                                      addComplaint($cSender,
                                                                                                $cIssue,
      $this -> db -> where('stopPointID',
                                                        $cDetails) {
$btID);
      $query
                      $this
                                       db
                                                           date_default_timezone_set('Asia/Manila');
update('busterminal', $data);
                                                              $data = array(
                                                                  "complaintSender" => $cSender,
      return $query;
                                                                  "complaintIssue" => $cIssue,
   }
                                                                  "complaintDetails" => $cDetails,
                                                                  "complaintDate"
                                                                                            date("Y-m-d
   function delete($id) {
                                                                                     =>
      $this -> db -> where('stopPointID',
                                                        h:i:s")
$id);
                      $this
                                       db
                                                                               $this
                                                                                               db
      $auerv
                                                              $query
                                                                        =
                                                                                         ->
                                                                                                      ->
delete('busterminal');
                                                        insert('complaint', $data);
      return $query;
                                                              return $query;
                                                           }
}
                                                           function addReport($month, $year) {
                                                              $data = array(
BusTerminalAdmin.php
                                                                  "reportMonth"=> $month,
                                                                  "reportYear" => $year
<?php
class BusTerminalAdmin extends CI_Model {
                                                              $query = $this -> db -> insert('report',
                                                        $data);
   function add($uID, $bCompany, $bTerminal) {
                                                               $reportID = $this -> db -> insert_id();
      $data = array(
          'userID' => $uID,
                                                               $yearA = $year;
          'busTerminalID' => $bTerminal,
                                                               $yearB = $year;
          'busCompanyID' => $bCompany
                                                               $monthA = $month - 1;
                                                              $monthB = $month + 1;
                                                               if(\$monthA == 0) {
      $query
                =
                      $this
                                ->
                                       db
                                              ->
insert('busterminaladmin', $data);
                                                                  $monthA = 12;
      return $query;
                                                                  $yearA--;
   }
                                                              if($monthB == 13) {
}
                                                                  monthB = 1;
                                                                  $yearB++;
?>
                                                              }
Report.php
```

```
$this -> db -> select('*');
                                                                    'totalTripCount' => $totalTrips,
      $this -> db -> from('route');
                                                                    'averageTripCount' =>
                                                      ($totalTrips/$numDays)
      $query2 = $this -> db -> get();
      $routeIDs = $query2 -> result();
      $dateA = $yearA . "-" . $monthA . "-31
                                                                $iQuery =
                                                                               $this
                                                                                             db
                                                                                                   ->
00:00:00";
                                                      insert('reportline', $data);
      $dateB = $yearB . "-" . $monthB . "-01
00:00:00";
                                                             return $query;
      numDays = 0;
                                                          }
      if($month == 1 || $month == 3 || $month
                                                          function getComplaint($complaintID) {
== 5 || $month == 7 || $month == 8 || $month ==
                                                             $this -> db -> select('*');
10 || $month == 12)
                                                             $this -> db -> from('complaint');
         numDays = 31;
                                                             $this -> db -> where('complaintID',
      else
                                                      $complaintID);
         numDays = 30;
                                                             $query = $this -> db -> get();
      foreach($routeIDs as $r) {
         $this -> db -> select('*');
                                                             if($query -> num_rows() > 0) {
         $this -> db -> from('trip');
                                                                return $query -> result();
         $this -> db -> join('terminalroute',
'terminalroute.terminalRouteID
                                                             else return null;
trip.terminalRouteID');
                                                          }
         $this -> db -> where('routeID', $r ->
                                                          function getReport($reportID) {
routeID);
                    "(timeDeparted
                                                             $this -> db -> select('*');
'".$dateA."' AND '".$dateB."' OR timeArrived
                                                             $this -> db -> from('report');
BETWEEN '".$dateA."' AND '".$dateB."')";
                                                             $this -> db -> where('reportID',
         $this -> db -> where($w);
                                                      $reportID);
         $q = $this -> db -> get();
                                                             $query = $this -> db -> get();
                                                             if($query -> num_rows() > 0) {
         $trips = $q -> result();
                                                                $data['rDate'] = $query
                                                      result()[0];
         $totalTrips = $q -> num_rows();
         $totalTime = 0;
         $aTime
                                 date('H:i:s',
                                                                $this -> db -> select('*');
strtotime("00:00:00"));
                                                                $this -> db -> from('reportline');
         if($totalTrips != 0) {
                                                                $this -> db -> join('route',
             foreach($trips as $t) {
                                                       'reportline.routeID = route.routeID');
                $tD
                            strtotime($t
                                                                $this -> db -> where('reportID',
timeDeparted);
                                                      $reportID);
                $tA
                             strtotime($t
                                                                $this -> db -> order_by('routeFrom',
timeArrived);
                                                       'asc');
                $totalTime += ($tA - $tD);
                                                                $this -> db -> order_by('routeTo',
                                                       'asc');
             $averageTime
                                                                $query2 = $this -> db -> get();
$totalTime/$totalTrips;
             $hrs = round($averageTime/3600);
                                                                $data['reportLines'] = $query2 ->
             $min = round(($averageTime
                                                      result();
($hrs * 3600))/60);
                                                                return $data;
            $sec = round(($averageTime
($hrs * 3600) - ($min * 60)));
                                                             else return null;
             if($sec < 0) {
                \$sec = 60 + \$sec;
                                                      }
                $min--;
             if($min < 0) {
                                                      StopPoint.php
                min = 60 + min;
                                                       <?php
                $hrs--;
                                                      class StopPoint extends CI_Model {
                                                          function add($btName, $btLat, $btLong) {
            $aString
$hrs.":".$min.":".$sec;
                                                             $data = array(
                                 date('H:i:s',
                                                                 'stopPointName' => $btName,
            $aTime
strtotime($aString));
                                                                'stopPointLat' => $btLat,
                                                                'stopPointLong' => $btLong,
                                                                 'stopPointType' => 'Terminal'
         $data = array(
             'reportID'
                                                                            $this
                                                                                            db
                                => $reportID.
                                                             $query
                                                                                      ->
                                                                                                   ->
                                                      insert('stoppoint', $data);
             'routeID'
                            => $r -> routeID,
             'averageTravelTime' => $aTime,
                                                             return $query;
```

```
}
                                                       class Trip extends CI_Model {
   function
             edit($btID,
                            $btName,
                                        $btLat,
                                                          function getOutgoingTrips($bTerminalID) {
$btLong) {
                                                       $busDB = $this -> load
database('busDB', TRUE);
      $data = array(
         'stopPointName' => $btName,
         'stopPointLat' => $btLat,
'stopPointLong' => $btLong,
'stopPointType' => 'Terminal'
                                                              $data = [];
                                                              $this -> db -> select('*');
                                                              $this -> db -> from('trip');
      $this -> db -> where('stopPointID',
                                                              $this
                                                                                         dh
                                                                           ->
$btID);
                                                       join('terminalRoute','trip.terminalRouteID
      $query
                      $this
                                      db
                                                       terminalRoute.terminalRouteID');
update('stoppoint', $data);
                                                              $this
                                                                      ->
                                                                                                     ->
                                                       join('route','terminalRoute.routeID
      return $query;
                                                       route.routeID');
                                                              $this ->
                                                                           db -> join('stoppoint',
   function getIdA($btName) {
                                                        'terminalRoute.endpointTerminalB
      $this -> db -> select ('*');
                                                       stoppoint.stopPointID');
      $this -> db -> from ('stoppoint');
                                                              $this
                                                                                         dh
                                                                            ->
                                                                                                     ->
      $this -> db -> where('stopPointName',
                                                       where('terminalRoute.endpointTerminalA',
                                                       $bTerminalID);
$btName);
                                                              $this -> db -> where('timeArrived',
      $query = $this -> db -> get();
                                                              $this -> db -> order_by('stopPointName',
      if($query -> num_rows() > 0) {
                                                              $this -> db -> order_by('busPlateNo',
         return $query -> result();
      e1se
                                                              $this ->
                                                                         db
                                                                              -> order_by('routeTo',
         return -1;
                                                              $this -> db -> order_by('routeDetails',
   }
                                                              $query = $this -> db -> get();
   function getIdB($lat, $lng) {
      $this -> db -> select('stopPointID');
      $this -> db -> from ('stoppoint');
                                                              pno = [];
      $this -> db -> where('stopPointLat',
                                                              if($query -> num_rows() > 0) {
$lat);
                                                                 foreach(($query -> result()) as $row)
      $this -> db -> where('stopPointLong',
                                                       {
$1ng);
                                                                    array_push($bpNo,
                                                                                           $row
                                                       busPlateNo);
      $query = $this -> db -> get();
      if($query -> num_rows() > 0) {
                                                                 $busDB -> select('*');
         foreach($query -> result() as $q) {
                                                                 $busDB -> from('bus');
            return $q -> stopPointID;
                                                                 $busDB -> where_in('busPlateNo',
                                                       $bpNo);
                                                                 $query2 = $busDB -> get();
      }
      else
                                                                 $data["locationData"] = $query2 ->
                                                       result();
         return -1;
                                                              }
                                                              else {
   function addBatch($points) {
                                                                 $data["locationData"] = [];
      $query =
                      $this
                                      db
insert_batch('stoppoint', $points);
      return $query;
                                                              $data["busData"] = $query -> result();
   }
                                                              return $data;
   function delete($id) {
                                                          }
      $this -> db -> where('stopPointID',
                                                          function getIncomingTrips($bTerminalID) {
                                                                      = $this -> load
      $query
                      $this
                                                              $busDB
                                                       database('busDB', TRUE);
delete('stoppoint');
      return $query;
                                                              $data = [];
                                                              $this -> db -> select('*');
}
                                                              $this -> db -> from('trip');
                                                              $this
                                                                            ->
                                                       join('terminalRoute','trip.terminalRouteID
Trip.php
                                                       terminalRoute.terminalRouteID');
<?php
```

```
->
                                                            $data = array(
join('route','terminalRoute.routeID
                                                                "busPlateNo"
                                                                                => $pNo,
route.routeID');
                                                                "terminalRouteID" => $rID,
      $this ->
                   db -> join('stoppoint',
                                                                "driverID"
                                                                                   => $dID.
'terminalRoute.endpointTerminalA
                                                                "conductorID"
                                                                                => $cID,
                                                                "numAvailableSeats" => $numSeats
stoppoint.stopPointID');
      $this
                                db
                ->
                                            ->
                                                            );
where('terminalRoute.endpointTerminalB',
                                                            $query = $this -> db -> insert('trip',
$bTerminalID);
                                                      $data):
      $this -> db -> where('timeArrived',
                                                            return $query;
null);
                                                         }
      $this -> db -> where('timeDeparted is
NOT NULL', null, false);
                                                         function departTrip($tripID) {
      $this -> db -> order by('stopPointName',
'asc');
                                                         date_default_timezone_set('Asia/Manila');
      $this -> db -> order bv('busPlateNo'.
                                                             $data = array(
'asc');
                                                                "timeDeparted" => date("Y-m-d H:i:s")
      $this -> db -> order by('routeTo',
                                                             $this -> db -> where("tripID", $tripID);
      $this -> db -> order by('routeDetails',
                                                            $query = $this -> db -> update("trip",
'asc');
                                                      $data);
      $query = $this -> db -> get();
                                                            return $query;
                                                         }
      $bpNo = [];
      if($query -> num_rows() > 0) {
                                                         function arriveTrip($tripID) {
         foreach(($query -> result()) as $row)
                                                         date_default_timezone_set('Asia/Manila');
{
            array_push($bpNo,
                                                             $data = array(
busPlateNo);
                                                                "timeArrived" => date("Y-m-d H:i:s")
                                                            $this -> db -> where("tripID", $tripID);
         $busDB -> select('*');
         $busDB -> from('bus');
                                                            $query = $this -> db -> update("trip",
         $busDB -> where_in('busPlateNo',
                                                      $data);
$bpNo);
                                                            return $query;
         $query2 = $busDB -> get();
         $data["locationData"] = $query2 ->
result();
                                                         function getHistory($bIDs = null) {
                                                            $this -> db -> select('tripID,
      else {
                                                      timeDeparted,
                                                                     timeArrived, trip.busPlateNo,
         $data["locationData"] = [];
                                                      routeTo, routeFrom, d.busPersonnelFName as df,
                                                      d.busPersonnelMName as dm, d.busPersonnelLName
                                                            dl,
                                                                    c.busPersonnelFName
                                                                                         as
      $data["busData"] = $query -> result();
                                                      c.busPersonnelMName as cm, c.busPersonnelLName
                                                      as cl');
                                                            $this -> db -> from('trip');
      return $data;
   }
                                                            $this
                                                                          ->
                                                      join('terminalRoute','trip.terminalRouteID
   function getRouteID($terminalRouteID) {
                                                      terminalRoute.terminalRouteID');
      $this -> db -> select('*');
                                                            $this
                                                                          ->
                                                                                                   ->
                                                      join('route','terminalRoute.routeID
      $this -> db -> from('terminalRoute');
                                                      route.routeID');
      $this -> db -> where('terminalRouteID',
$terminalRouteID);
                                                            $this ->
                                                                         db -> join('stoppoint',
      $query = $this -> db -> get();
                                                       'terminalRoute.endpointTerminalA
                                                      stoppoint.stopPointID');
      return $query -> result();
                                                            $this -> db -> join('buspersonnel AS c',
   }
                                                       'c.busPersonnelID = trip.conductorID');
                                                            $this -> db -> join('buspersonnel AS d',
                                                       'd.busPersonnelID = trip.driverID');
   function updateSeat($tID, $num) {
                                                            $this -> db ->
      $data = array (
                                                                                        join('bus',
         "numAvailableSeats" => $num
                                                      'trip.busPlateNo = bus.busPlateNo');
                                                            if($bIDs === null) {
      $this -> db -> where('tripID', $tID);
                                                                //sAdmin
      $q = $this -> db -> update('trip',
                                                            }
$data);
                                                             else {
                                                                //btAdmin
      return $q;
                                                                $where
                                                      "(terminalRoute.endpointTerminalA
                                                      '".$bIDs[0]."'
   function dispatch($pNo, $rID, $dID, $cID,
                                                                                                  OR
$numSeats) {
```

```
terminalRoute.endpointTerminalB
                                                                else if($indB == $numB) {
'".$bIDs[0]."')";
                                                                   array_push($data,
                                                      array($res1[$indA], "Departed"));
        $this
where('bus.busCompanyID', $bIDs[1]);
                                                                   $indA++;
         $this -> db -> where($where);
                                                                else {
                                                                   if($res1[$indA] -> timeDeparted >
      $this
                                             ->
order_by('timeDeparted','desc');
                                                      $res2[$indB] -> timeArrived) {
      $query1 = $this -> db -> get();
                                                                      array_push($data,
                                                      array($res1[$indA], "Departed"));
                                                                      $indA++;
      $this -> db -> select('timeDeparted,
timeArrived,
               trip.busPlateNo, routeTo,
routeFrom,
              d.busPersonnelFName
                                     as
                                         df,
                                                                   else {
d.busPersonnelMName as dm, d.busPersonnelLName
                                                                      array_push($data,
as dl,
            c.busPersonnelFName
                                  as
                                                      array($res2[$indB], "Arrived"));
c.busPersonnelMName as cm, c.busPersonnelLName
                                                                      $indB++;
      $this -> db -> from('trip');
                                                                }
                  ->
                                                             }
join('terminalRoute','trip.terminalRouteID
terminalRoute.terminalRouteID');
                                                             return $data;
                                                          }
      $this
                 ->
                                             ->
join('route','terminalRoute.routeID
route.routeID');
                                                      }
      $this ->
                  db -> join('stoppoint',
'terminalRoute.endpointTerminalA
                                                      ?>
stoppoint.stopPointID');
                                                      User.php
      $this -> db -> join('buspersonnel AS c',
                                                      <?php
'c.busPersonnelID = trip.conductorID');
      $this -> db -> join('buspersonnel AS d',
                                                      class User extends CI Model {
'd.busPersonnelID = trip.driverID');
      $this -> db ->
                                   join('bus',
                                                          function login($username, $password) {
'trip.busPlateNo = bus.busPlateNo');
                                                             $this -> db -> select('*');
      $this -> db -> where('timeArrived is NOT
                                                             $this -> db -> from('user');
NULL', null, false);
                                                             $this -> db -> join('busterminaladmin',
      if($bIDs === null) {
                                                       'user.userID = busterminaladmin.userID',
         //sAdmin
                                                             $this -> db -> join('stoppoint',
      else {
                                                       busterminaladmin.busterminalID
         //btAdmin
                                                      stoppoint.stopPointID', 'left');
         $where
                                                             $this
                                                                    ->
                                                                           db
                                                                                 ->
                                                                                       where('uName',
"(terminalRoute.endpointTerminalA
                                                      $username);
'".$bIDs[0]."'
                                            OR
                                                             $this
                                                                                       where('pWord',
                                                                     ->
                                                                           db
                                                                                 ->
terminalRoute.endpointTerminalB
                                                      md5($password));
'".$bIDs[0]."')";
                                                             $this -> db -> limit(1);
        $this
where('bus.busCompanyID', $bIDs[1]);
                                                             $query = $this -> db -> get();
         $this -> db -> where($where);
                                                             if($query -> num_rows() == 1) {
      $this
                                                                return $query -> result();
                    ->
order_by('timeArrived','desc');
      $query2 = $this -> db -> get();
                                                             else {
                                                                return false;
      \frac{1}{2} $indA = 0;
                                                             }
      $indB = 0;
      $numA = $query1 -> num_rows();
      $numB = $query2 -> num_rows();
                                                          function cp($id, $password) {
      $res1 = $query1 -> result();
                                                             $this -> db -> where('userID', $id);
      $res2 = $query2 -> result();
                                                             $query = $this -> db -> update('user',
                                                      array('pWord' => md5($password)));
                                                             return $query;
      $data = array();
      while($indA < $numA || $indB < $numB) {
                                                          function viewAll() {
         if($indA == $numA) {
                                                             $this -> db -> select('*');
            array_push($data,
                                                             $this -> db -> from('user');
array($res2[$indB], "Arrived"));
                                                             $this -> db -> order by('userID',
            $indB++;
                                                       'asc');
```

```
$query = $this -> db -> get();
                                                              return $query;
                                                           }
      if($query -> num_rows() > 0) {
          return $query -> result();
                                                           function delete($id) {
                                                              $this -> db -> where('userID', $id);
   }
                                                              $query
                                                                              $this
                                                       delete('busTerminalAdmin');
   function existing($uName) {
      $this -> db -> where('uName', $uName);
                                                              $this -> db -> where('userID', $id);
      $this -> db -> from('user');
                                                              $query = $this -> db -> delete('user');
      if($this -> db -> count_all_results() ==
0)
          return FALSE;
                                                              return $query;
      else
                                                           }
          return TRUE;
   }
                                                       }
   function add($uName, $uType) {
                                                       2>
      $data = array(
                                                       update_history.js
                                                       var xhttp = [];
          'uName' => $uName,
          'pWord' => md5('default'),
                                                       var xhttp2 = [];
          'uType' => $uType
                                                       self.addEventListener('message',
                                                                                               function
                                                       (event) {
      $query = $this -> db -> insert('user',
$data);
      return $query;
                                                           function handler() {
                                                              if(this.readyState == 4) {
   }
                                                                  if(this.status == 200) {
   function getID($uName) {
                                                                                   history
                                                                     var
      $this -> db -> select('*');
                                                       JSON.parse(this.responseText)
      $this -> db -> from('user');
                                                                     postMessage(history);
      $this -> db -> where('uName', $uName);
                                                                 xhttp.splice(xhttp.indexOf(this), 1);
      $query = $this -> db -> get();
                                                              }
                                                           }
      if(\text{query -> num rows() > 0)} {
          return $query -> result();
                                                           function sendRequest() {
      }
                                                              var x = new XMLHttpRequest();
                                                              x.open("POST",
      else
                                                                                 "../trips/getHistory",
         return -1;
                                                       true);
                                                              x.setRequestHeader("ajaxOnly", true);
   }
                                                              x.setRequestHeader("Content-type",
   function view($id) {
                                                        "application/x-www-form-urlencoded");
      $this -> db -> select('*');
                                                              x.onreadystatechange = handler;
      $this -> db -> from('user');
                                                              x.send();
      $this -> db -> join('busterminaladmin',
                                                              xhttp.push(x);
               = busterminaladmin.userID',
'user.userID
                                                           }
'left');
      $this -> db -> join('stoppoint',
                                                           var timer = setInterval(sendRequest, 2000);
'busterminaladmin.busterminalID
stoppoint.stopPointID', 'left');
                                                       }, false);
      $this -> db -> where('user.userID',
                                                       update map.js
$id);
                                                       var xhttp = [];
      $this -> db -> limit(1);
                                                       var date = null;
      $query = $this -> db -> get();
                                                       self.addEventListener('message',
                                                                                               function
                                                        (event) {
      if($query -> num_rows() == 1) {
                                                           function handler() {
         return $query -> result();
                                                              if(this.readyState == 4) {
                                                                 if(this.status == 200) {
      else {
                                                                     var
                                                                                   locArray
          return FALSE;
                                                       JSON.parse(this.responseText);
                                                                     if(date == null ||
                                                                                               date
                                                                                                     <
   }
                                                       locArray[0]) {
                                                                        date = locArray[0];
   function reset($id) {
                                                                        postMessage(locArray);
      $this -> db -> where('userID', $id);
                                                                     }
      $query = $this -> db -> update('user',
array('pWord' => md5('default')));
                                                                 xhttp.splice(xhttp.indexOf(this), 1);
```

```
}
   }
                                                                     for(var
                                                                              i =
                                                       tripData["incoming"]["busData"].length; i++) {
   function sendRequest() {
      var x = new XMLHttpRequest();
                                                           inc.push(tripData["incoming"]["busData"][i]
      x.open("POST",
                                                        .busPlateNo);
                        "../buses/getLocation",
true);
      x.setRequestHeader("ajaxOnly", true);
                                                                     bpNos.outgoing = out;
      x.setRequestHeader("Content-type",
                                                                     bpNos.incoming = inc;
"application/x-www-form-urlencoded");
      x.onreadystatechange = handler;
                                                                     var Tdata = {};
      x.send();
                                                                     Tdata.time
      xhttp.push(x);
                                                                                                    new
   }
                                                       Date().getTime();
                                                                     Tdata.bTerminalID = bTerminalID;
   var timer = setInterval(sendRequest, 2000);
                                                                     Tdata.tripData
                                                                                       = tripData;
                                                                     Tdata.bpData
                                                                                     = bpNos;
}, false);
update_terminal.js
                                                                     postMessage(Tdata);
var xhttp = [];
var xhttp2 = [];
                                                                 xhttp.splice(xhttp.indexOf(this), 1);
var date = null;
                                                              }
var bTerminalID;
                                                           }
var times = 0;
                                                           function sendRequest() {
self.addEventListener('message',
                                       function
                                                              bTerminalID = event.data;
(event) {
                                                              var x = new XMLHttpRequest();
                                                              var param = "bTerminalID="+bTerminalID;
   function handler() {
                                                              x.open("POST",
                                                                                   "../trips/getTrips",
      if(this.readyState == 4) {
                                                       true);
                                                              x.setRequestHeader("ajaxOnly", true);
         if(this.status == 200) {
                                                              x.setRequestHeader("Content-type",
                                                       "application/x-www-form-urlencoded");
             var
                           tripData
JSON.parse(this.responseText);
                                                              x.onreadystatechange = handler;
             var bpNos = {};
                                                              x.send(param);
             var out = [];
                                                              xhttp.push(x);
             var inc = [];
                                                           }
                                                           var timer = setInterval(sendRequest, 2000);
             for(var
                        i
                                  0;
                                                       }, false);
tripData["outgoing"]["busData"].length; i++) {
   out.push(tripData["outgoing"]["busData"][i]
.busPlateNo);
```