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Disaster Management Communication System

A Special Problem in Partial Fulfillment

of the Requirements for the

Degree of Bachelor of Science in Computer Science

by

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ACCEPTANCE SHEET

The Special Problem entitled "Disaster Management Communication System" prepared and submitted by Maria Blessilda S. Gamboa in partial fulfillment 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 Disaster Management Communication System is a system that allows the different key players within the National Disaster Risk Reduction and Management council to effectively receive, process, store and disseminate disaster management related information. It allows the NDRRMC officers and other users to communicate with other key personnel using SMS messaging features and user to user messaging features within the system.

Keywords: disaster management, SMS messaging system, information system

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I. Introduction

A. Background of the Study

The Philippines is prone to many natural and human-induced disasters due to its geography and geology. The annual direct damages caused by disasters amount to PhP20 billion every year in the past decades, affecting more than 51 million families according to the National Disaster Risk Reduction and Management Council (NDRRMC) [1]. The United Nations International Strategy for Disaster Reduction Secretariat (UNISDR) classified the Philippines in the 'very high' category for the average number of citizens at risk of being affected by weather-related related hazards, based on a new Mortality Risk Index (MRI) [2].

Disaster management is described as the activities for sustaining control over disaster situations and frameworks for helping people at-risk to avoid or recover from the impact of disasters. It includes both pre-disaster and post-disaster activities like early warnings system, and evacuation and relief distribution [3].

The National Disaster Risk Reduction and Management Council (NDRRMC) is the highest policy making body in disaster management in the Philippines. According to the National Disaster Risk Reduction and Management Plan (NDRRMP) for 2011-2028, one of its priority areas is disaster preparedness. An expected outcome under their plans to enhance disaster preparedness is to foster the strengthened partnership and coordination among all key players and stakeholders. Another priority area under the NDRRMP is disaster response. Under disaster response some of the outcomes expected from their plan includes: integrated and coordinated Search, Rescue and Retrieval (SRR) capacity and; safe and timely evacuation of affected communities [1]. This is manifested in one of NDRRMP's flagship projects: the National Disaster Response Plan, a plan to include a system for Search, Rescue and Retrieval (SRR) and scenario-based preparedness and response plans.

One of the key elements of Community-Based Disaster Risk Management (CBDRM) is multi-stakeholder participation, where locals are the primary actors in reducing disaster risks in their community through multi-stakeholder participation and involvement in preparing for and mitigating disaster risks. Another key element of CBDRM is communication design, which influences a community's capacity in using early warning information and how they can disseminate information about mitigation measures, emergency response and recovery to the community for sustained public awareness [4].

Knowledge management is identified by Department of the Interior and Local Government (DILG) as one of the major gaps in disaster preparedness and mitigation activities of Local Government Units (LGUs). DILG pointed out that LGUs lack the skills in data banking and in determining what data to collect that will be useful in disaster management and public dissemination [4]. This resulted in the lack of documentation of the impacts of past disasters, and identification of trends to help them prepare for future disasters.

B. Statement of the Problem

There are issues and limitations with the available communication tools used by affected people to reach out for help from the disaster management officials. Rescue hotlines may not be able to accommodate the number of people trying to call at the same time and the time that it takes for the hotline workers to collect information from the caller adds to the limitation of how many callers they can accommodate in a timely manner [5]. The people affected by the disaster need reliable direct communication avenues with rescue officials that can help them.

There is a need for ways to quickly and efficiently communicate disaster-related information to the people who need and can utilize it. The disaster management personnel at the national level need a reliable direct way to share rescue mission details and instructions to the

local rescue officials and collect reports about the situation in an affected area from the local rescue officials to create the proper mitigation plans.

C. Objectives

The main goal of this project was to provide a system that serves as a convenient way of communication between people in need of help and disaster management officials in times of disasters, and automatically receive, process, and store information critical for planning rescue missions. The system was also intended to be used as a communication tool between national disaster management officials and local rescue officials.

The web system stored the disaster-related data collected from the received SMS messages in its database. It provided the user interface that the users can use to view the saved data and to communicate with the local rescue officials and other stakeholders for disaster management. The web system has the following functionalities:

1. Allowed the system administrator to:

   a. Create a user account

   b. Edit user account details

   c. Delete a user account

2. Allowed the National Disaster Risk Reduction and Management Council (NDRRMC) personnel to:

   a. View the disaster management dashboard that displays information records about the received message information from people affected by the disaster at a national level

b. Send instructions or messages to Regional Disaster Risk Reduction and Management Council (RDRRMC) personnel

c. Respond to received requests for manpower or resources from RDRRMCs

d. Generate reports about the information from the areas under its jurisdiction

e. Declare a state of calamity for an affected area under its jurisdiction

f. Remove a state of calamity for an affected area under its jurisdiction

3. Allowed the Regional Disaster Risk Reduction and Management Council (RDRRMC) personnel to:

   a. View the disaster management dashboard that displays information records about the received message information from people affected by the disaster at a regional level

   b. Send instructions or messages to Local Disaster Risk Reduction and Management Council (LDRRMC) personnel

   c. Respond to received requests for manpower or resources from LDRRMCs

   d. Generate reports about the information from the areas under its jurisdiction

   e. Declare a state of calamity for an affected area under its jurisdiction

   f. Remove a state of calamity for an affected area under its jurisdiction

4. Allowed the Local Disaster Risk Reduction and Management Council (LDRRMC) personnel to:

   a. View the disaster management dashboard that displays information records about the received message information from people affected by the disaster at a local level

   b. Dispatch local rescue officials and other manpower to an assignment in a location under its jurisdiction

c. Send SMS messages containing instructions or messages to local rescue officials using the website

d. Generate reports about the information from the areas under its jurisdiction

5. Allowed the Office of the President (OP) officers such as the Executive Secretary to:

   a. View reports generated from disaster affected areas

   b. Declare a state of calamity for an affected area

   c. Remove a state of calamity for an affected area

6. Allowed the officers from the Presidential Communications Operations Office (PCOO) such as the Press Secretary to:

   a. View reports generated from disaster affected areas

   b. Choose and filter the content of the generated reports that will be publicly accessible

   c. Create messages and announcements that can be viewed by public

7. Allowed the Department of Transportation and Communications (DOTC) officer to:

   a. View reports generated from disaster affected areas

   b. Create travel and transportation advisories about transportation means to and from affected areas that can be viewed by the public

8. Allowed the Department of National Defense (DND) officer to:

   a. View request for manpower back-up or resources from DRRMCs

b. Respond to the request for manpower back-up or resources from DRRMCs

c. Dispatch DND personnel to an assignment

d. Send SMS messages containing instructions or messages to its manpower using the website

9. Allowed the Philippine Red Cross (PRC) officer to:

   a. View request for manpower back-up or resources from DRRMCs

   b. Respond to the request for manpower back-up or resources from DRRMCs

   c. Dispatch PRC volunteers to an assignment

   d. Send SMS messages containing instructions or messages to its manpower using the website

10. Provided a SMS gateway for:

    a. Automatically sending SMS messages from the server to selected recipients

    b. Automatically receiving SMS messages from mobile phones sent to the server

11. Automatically saved the received information from the SMS gateway in the database. (The received information here may be the distress message details from a person affected by the disaster, assignment response details from a local rescue officer, or assignment report details from a local rescue officer.)

D. Significance of the Study

The effective sharing and exchanging of information during disasters is important for the effective planning and coordination of mitigation plans [6]. Providing a tool that allowed the people affected by disasters to have a direct avenue to communicate with disaster management officials can help the officials to quickly gather disaster related information which are critical for creating mitigation and rescue plans.

The national disaster management personnel and local rescue units can also benefit from an automated tool that has the ability to gather information can help reduce the time it takes for them to intercept and process the information needed for organizing rescue missions. The sooner they can receive and process the information from disaster victims, the sooner they can prepare plans for rescue and relief missions to help those people. Also, by providing an additional communication avenue between the national disaster management officials and the local rescue officials can help them execute appropriate mitigation plans faster and more effectively [5].

E. Scope and Limitations

1. The web server had a database that stored the message information uploaded by the mobile application.

2. The system administrator was in charge of creating, updating and deleting user accounts in the system.

3. The web system was used by the NDRRMC/RDRMMC/LDRRMC personnel to view the records containing the message information and to send dispatch assignments to the local recue officials.

4. The web system was used by the system administrator, NDRRMC personnel, RDRRMC personnel, LDRRMC personnel, local rescue officials, Department of National Defense (DND) personnel, Office of the President Representative, Department of Transportation

and Communications (DOTC) personnel, Presidential Communications Operations Office (PCOO), and the Philippine Red Cross personnel.

5. The system can only process and store textual data. Multimedia data cannot be processed or stored by the system.

6. The verification of the disaster reports received by the system was not included in the system's functionalities.

7. The process of prioritizing and planning rescue missions were not done by the system and are outside of the scope of the system's functionalities.

8. The cost of sending SMS messages from the server to the selected recipients was shouldered by the system.

9. This system did not aim to replace any existing disaster management or tools or communication method.

F. Assumptions

1. Network coverage was available for sending and receiving messages.

2. There was an internet connection available for the users to access the system.

3. There was always an internet connection or wi-fi available for the sms gateway components to properly function.

4. The server had sufficient credit to properly send the text messages from the server to the selected recipients.

II. Review of Related Literature

Disaster management includes both pre and post disaster activities like early warnings system, and evacuation and relief distribution [3] [7]. Community-based disaster preparedness (CBDP) is the manifestation of disaster management actions on a local-level [8]. CBDP strategies rely on the knowledge and capabilities of people in the local community. A successful implementation of CBDP also requires an understanding of the communities concerned and the involvement of the citizens there. An important part of disaster management is gathering and utilizing disaster-related data to help local government units to take action and form effective policies and to provide people affected by disasters with real time help [5].

Disaster management systems (DMS) are primarily used to handle and process information used in disaster management processes [9]. One of the important functions of DMS is to gather and utilize post-disaster data [10]. Logistics and transportation routes, human and material response resources and communication facilities are identified as some of the key components that would be found in a DMS database [11].

There are some DMS deployed in the Philippines. In 2000, the National Disaster Risk Reduction and Management Council (NDRRMC) developed an Emergency Management Information System that will allow regional centers to connect and share information to the public using the internet [12]. The Department of Science and Technology has developed Project NOAH, a project that utilizes technologies and management services for disaster risk reduction activities to collect information about the weather, amount of rainfall and flooding conditions and outputs these data on a map of the Philippines available online [13].

Although there are available DMS, most of these systems found in the Philippines are web applications or are highly dependent on having web-connectivity capabilities. For the improvement and larger scope of use of DMS, the utilization of other forms of communication

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technologies is recommended [14].

Wireless mobile technologies for disaster information management can be used for the transmission and collection of information before and after disasters. The primary applications of mobile technology for disaster management are for broadcasting pre-disaster and post-disaster announcements, and for gathering information that can be used for relief operations and rescue missions [15].

There was a study in Bangladesh that included mobile technology as a part of the proposed model for disaster information management. Mobile technology was used as the tool for coordination and dissemination of information among the national and local government authorities. The model also includes an approach where messages about disaster warnings, rescue and recovery operations can be directly sent to the people affected using mobile phones [16].

Emergency message broadcasting is also one of the features of an ideal DMS. In the Philippines, Cellular Mobile Telephone Service (CMTS) operators work with the National Telecommunications Commission (NTC) and the Philippine Information Agency (PIA) to create and broadcast public safety broadcast text messages to the public during emergencies and when there are malicious text messages [8]. In Hong Kong and UK, there are also similar emergency message broadcasting systems used by the government and private corporations which disseminate text messages to the public containing real time information about dangerous locations or situations [14].

Communication and the proper dissemination of information to appropriate people who need it are important during disasters [17]. In Japan, they've developed a message board system called i-mode Disaster Message Board service which allows i-mode subscribers within the disaster area to place and check messages in a virtual message board to inform relatives of their

situation using their mobile phones [18]. This system allows its subscribers to post text messages on a special i-mode site, instead of making voice calls, to help avoid network congestion [19].

Although the broadcasted text messages received by the public are important disaster-related information, there is still a need to develop a more specialized way of receiving and sending information [20]. Disaster management systems have to consider user as more than an inactive component in communicating [21]. Using mobile technology, a person can send and receive information, which are nuanced to the context of their situation or what they need, to authorities.

III. Theoretical Framework

A. National Disaster Risk Reduction and Management Council

The National Disaster Coordinating Council (NDCC) was established through Presidential Decree 1566 as the highest policy making body and the focal organization for the Philippines' disaster management in 1978 [22]. The PD 1566 also granted the establishment of regional, provincial, city, municipal and barangay disaster coordinating councils. These Disaster Coordinating Councils (DCCs) were formed to advise the President and local chief executive on all natural disaster preparedness and management plans, and recommend the declaration of state of calamity and the release of calamity funds for relief and rescue operations.

Under Republic Act 10121 or the Philippine Disaster Risk Reduction and Management (PDRRM) Act of 2010, the NDCC was now known as the National Disaster Risk Reduction and Management Council (NDRRMC). The PDRRM Act paved the way for the need to adopt a disaster risk reduction and management approach that is holistic, comprehensive, integrated, and proactive in lessening the socio-economic and environmental impacts of disasters, and promote the involvement and participation of all sectors and stakeholders concerned at all levels, especially the local community [22]. The Act provides for the development of policies and plans and the implementation of actions for disaster risk reduction and management.

The NDRRMC is equipped with the authority for policy-making, coordination, integration, supervision, monitoring and evaluation functions [23]. Some of the NDRRMC's responsibilities include:

a. Develop a National Disaster Risk Reduction and Management Framework (NDRRMF) which shall provide for a comprehensive, all-hazards, multi-sectoral, inter-agency and community-based approach to disaster risk reduction and management.

b. Ensure that the National Disaster Risk Reduction and Management Plan (NDRRMP) is consistent with the NDRRMF

c. Advise the President on the status of disaster preparedness, prevention, mitigation, response and rehabilitation operations being undertaken by the government, Civil Society Organizations (CSOs), private sector, and volunteers; recommend to the President the declaration of a state of calamity in areas extensively damaged; and submit proposals to restore normalcy in the affected areas, to include calamity fund allocation

d. Ensure a multi-stakeholder participation in the development, updating, and sharing of a Disaster Risk Reduction and Management Information System and Geographic Information System-based national risk map as policy, planning and decision-making tools

e. Establish a national early warning and emergency alert system to provide accurate and timely advice to national or local emergency response organizations and to the general public through diverse mass media to include digital and analog broadcast, cable, satellite television and radio, wireless communications, and landline communications

f. Manage and mobilize resources for disaster risk reduction and management including the National Disaster Risk Reduction and Management Fund;

g. Monitor and provide the necessary guidelines and procedures. on the Local Disaster Risk Reduction and Management Fund (LDRRMF) releases as well as utilization, accounting and auditing thereof

h. Develop vertical and horizontal coordination mechanisms for a more coherent implementation of disaster risk reduction and management policies and programs by sectoral agencies and LGUs

i. Task the Office of Civil Defense (OCD) to conduct periodic assessment and performance monitoring of the member-agencies of the NDRRMC, and the Regional Disaster Risk Reduction and Management Councils (RDRRMCs), as defined in the NDRRMP

The NDRRMC is headed by the Secretary of the Department of National Defense (DND) as Chairperson, the Secretary of the Department of Interior and Local Government (DILG) is the Vice Chairperson for Disaster Preparedness., the Secretary of the Department of Social Welfare and Development (DSWD) is the Vice Chairperson for disaster response, the Secretary of the Department of Science and Technology (DOST) is the Vice Chairperson for disaster prevention and mitigation and the Director-General of the National Economic and Development Authority (NEDA) is the Vice Chairperson for disaster rehabilitation and recovery. The some of the other members of the council are:

- Secretary of the Department of Health (DOH)

- Secretary of the Department of Transportation and Communications (DOTC)

- Secretary of the Department of Public Works and Highways (DPWH)

- The Executive Secretary

- Chief of Staff, Armed Forces of the Philippines (AFP)

- Chief, Philippine National Police (PNP)

- The Press Secretary

- Secretary General of the Philippine National Red Cross (PNRC)

- Administrator of the OCD

The Regional Disaster Risk Reduction and Management Councils (RDRRMCs) have the power to coordinate, integrate, supervise, and evaluate the activities of the Local Disaster Risk Reduction and Management Councils (LDRRMCs) within their jurisdictions. The RDRRMC shall be responsible in ensuring disaster sensitive regional development plans, and in case of emergencies shall convene the different regional line agencies and concerned institutions and authorities. The RDRRMCs shall establish an operating facility on a 24-hour basis, to be known as the Regional Disaster Risk Reduction and Management Operations Center (RDRRMOC).

There are also Local Disaster Risk Reduction and Management Councils (LDRRMC) for lower levels of governance. The Provincial, City, and Municipal Disaster Risk Reduction and Management Councils serve as the LDRRMC for provinces, cities, and municipalities respectively. The Barangay Development Councils (BDCs) serves as the LDRRMCs in barangays. Each LDRRMC will have an operating facility known as the Local Disaster Risk Reduction and Management Operations Center (LDRRMOC). The hierarchy of Disaster Risk Councils is shown in Figure 1.
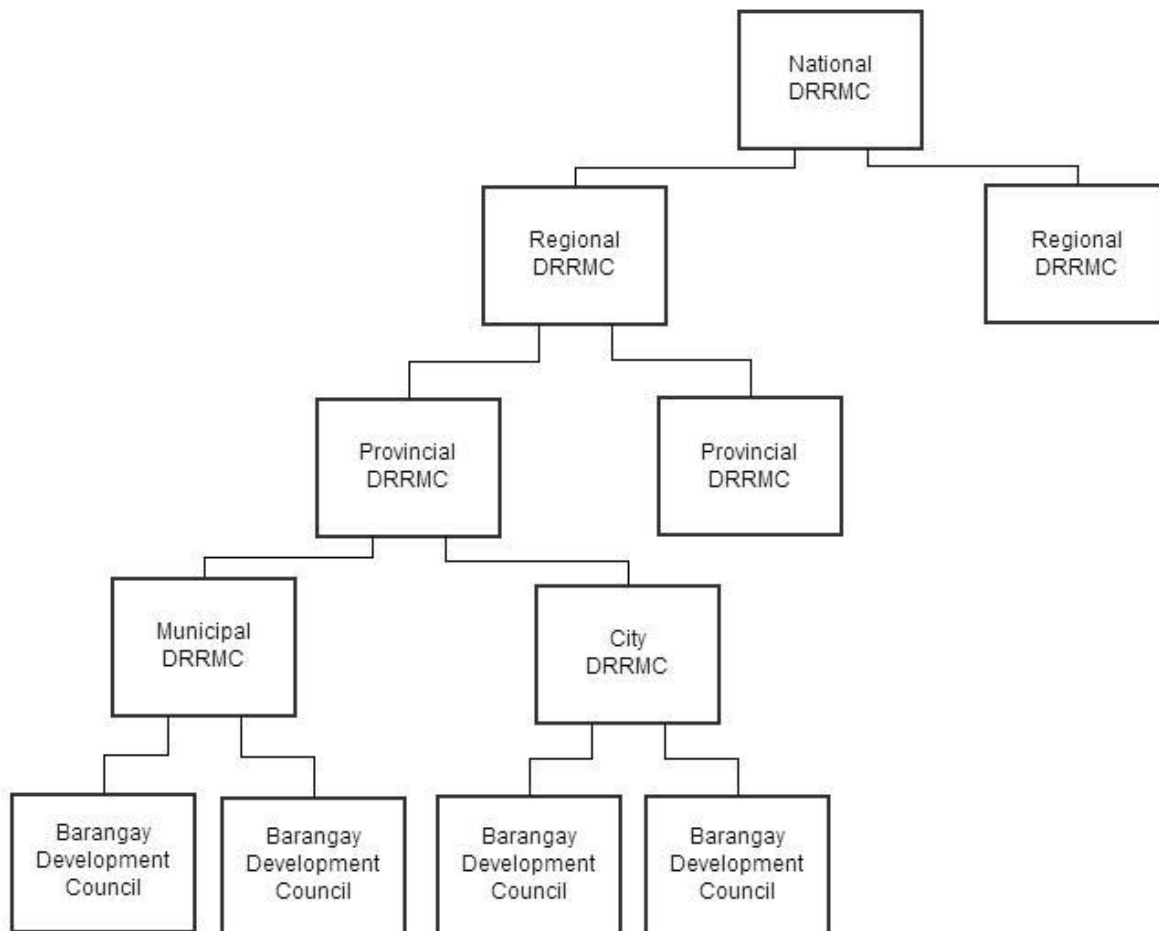
Figure 1 The hierarchy of Disaster Risk Councils

Under Section 15 of RA 10121, the rule about coordination during emergencies states that the LDRRMCs shall take the lead in preparing for, responding to, and recovering from the effects of any disaster based on the following criteria:

a. The Barangay Disaster Council (BDC), if a barangay is affected

b. The city/municipal DRRMCs, If two (2) or more barangays are affected

c. The provincial DRRMC, if two (2) or more cities/ municipalities are affected

d. The regional DRRMC, if two (2) or more provinces are affected

e. The NDRRMC, if two (2) or more regions are affected.

The NDRRMC and intermediary LDRRMCs shall' always act as support to Local

Government Units (LGUs) which have the primary responsibility as first disaster responders. Private sector and civil society groups shall work in accordance with the coordination mechanism and policies set by the NDRRMC and concerned LDRRMCs.

B. Context Aware Application

Context consists of any information that describes the state of entities such as location, personal profiles, situation descriptions and other data. A context aware application uses context to present relevant services to the user depending on the user's task [24].

The categories of context-aware application features are:

1. presentation of information and services to a user – retrieve information and execute commands for the user manually based on available context and presenting the actual context to the user

2. automatic execution of a service - ability to execute or modify a service automatically based on the current context

3. tagging of context to information for later retrieval - ability to associate digital data with the user's context

C. Client-Server model

The client-server model utilizes client and server devices for specific purposes. The client-server model developed to enable multiple users to have access to database applications [25]. The database is stored in a central computer known as the server and users can access the server using a client application.

In multi tier client-server systems, the client is run on the user's local computer and its main function is to displaying results to the user. The processing logic is integrated in the multi-

threaded server application running on a server. The client sends a request to the server application to avail of a service [26]. The server application interacts with the database to get the information needed for the service requested by the client. After the server application completes the client's requested action, the server application then sends the resulting data back to the client application.

Three tiered architecture is applied in the web development. Figure 2 shows the system architecture of a three tiered application. The website's tiers consist of:

1. A presentation tier that displays the content received from the other tier. It is the content rendered by the web browser.

2. A logic tier that performs the data processing data. It uses a web application framework like Ruby on Rails, Java EE, ASP.NET, or PHP.

3. A data tier composed of the database that stores the data and the database management system that manages and provides access to the data.
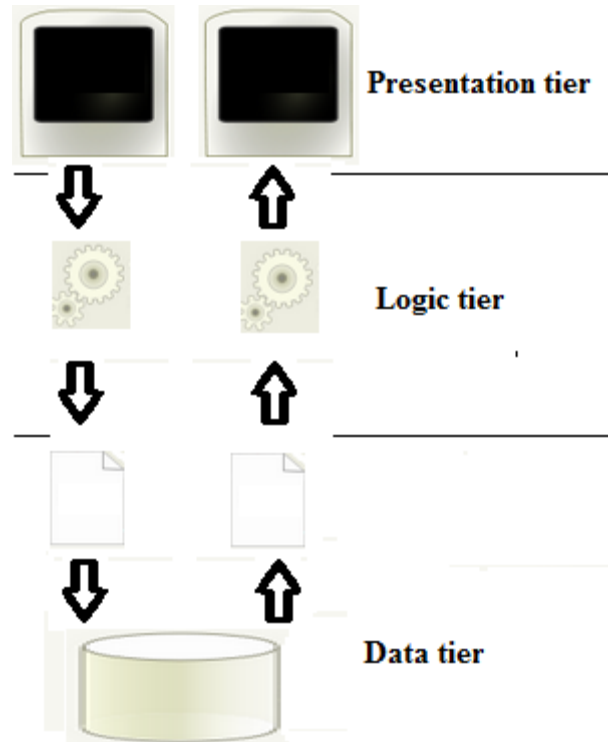
Figure 2 Architecture of a three-tiered system

D. Information System

An information system (IS) is a collection of equipment for the dissemination of information [27]. Hardware, software, computer system connections and information, and information system users are all parts of an IS.

A Management IS is a combination of people, computers and procedures for collecting and organizing information to facilitate decision making. The information in this IS is people oriented and varies depending on the different needs of the users in an organization. [28].

There are four types of management information systems:

a. Transaction processing systems - process a large volume of routine, recurring transactions.

b. Operations information systems - gather comprehensive data, organize it and summarize it in a form that is useful for managers.

c. Decision support systems - mangers with the necessary information to make intelligent decisions.

d. Expert systems - meant to mimic humans in making decisions in a specific field.

E. SMS Gateway

A Short Message Service (SMS) gateway is a mechanism by which SMS messages are sent and received. SMS gateways are used to facilitate and process text messages according to the needs of organizations. It can also convert the SMS message format [29].

The SMS gateway can be used develop SMS messaging applications. A SMS messaging application can connect to the SMS gateway. The SMS messaging application only needs to communicate with the SMS gateway to send and receive SMS messages [30].

F. Parsing

Parsing is the process of analyzing and breaking up text, made of a group of tokens, to determine its grammatical structure with respect to a given grammar, including the definition of each part's function [31]. Parsing is done to determine the meaning of a string given a language or grammar rules [32]. It is used to determine whether or not the given string can be derived from the given language. Parsing is one of the tasks that programming language compilers have to perform. To convert a string into a set of its tokens and then to derive its meaning, each string in the language must have a unique derivation tree; otherwise there might be ambiguity in the meaning [32].

The basic connection between a sentence and the grammar it derives from is the parse tree, which describes how the grammar was used to produce the sentence [33]. For the reconstruction of this connection we need a parsing technique. There are two general parsing techniques:

a. Top-down parsing method (predictive parse or LL parse) – attempts to to reproduce the original production process by deriving the sentence from the start symbol. It .requires that the grammar to be organized such that the first symbol of each rule defining a given non-terminal will indicate which rule to choose for the non-terminal [34].

b. The bottom up parse (LR parse) – attempts to reverse the production process and to reduce the sentence back to the start symbol [35]. It also has the most complicated set of algorithms for building the parse tables.

G. Definition of Terms

a. Civil Society Organization (CSO) - non-state actors whose aims are neither to generate profits nor to seek governing power such as nongovernment organizations (NGOs), professional associations, foundations, independent research institutes, community-based organizations (CBOs), faith-based organizations, people's organizations, social movements, and labor unions.

b. National Disaster Risk Reduction and Management Framework (NDRRMF) - provides for comprehensive, all hazards, multi-sectoral, inter-agency and community-based approach to disaster risk reduction and management.

c. National Disaster Risk Reduction and Management Plan (NDRRMP) - the document to be formulated and implemented by the Office of Civil Defense (OCD) that sets out

goals and specific objectives for reducing disaster risks together with related actions to accomplish these objectives.

d. State of Calamity - a condition involving mass casualty or major damages to property, disruption of means of livelihoods, roads and normal way of life of people in the affected areas as a result of the occurrence of natural or human-induced hazard.

e. Office of Civil Defense (OCD) - the implementing arm of the NDRRMC. Its primary mission is to administer a comprehensive national civil defense and disaster risk reduction and management program to reduce the vulnerabilities and risks to hazards and manage the consequences of disasters [36].

IV. Design and Implementation

A. Context Diagram

The Disaster Management Communication System (DMCS) was used by the system administrator, NDRRMC personnel, RDRRMC personnel, LDRRMC personnel, local rescue officials, civilian report text senders, Department of National Defense (DND) personnel, Office of the President representative, Department of Transportation and Communications (DOTC) personnel, Presidential Communications Operations Office (PCOO), and the Philippine Red Cross personnel. The context diagram for the DMCS is shown in Figure 3.
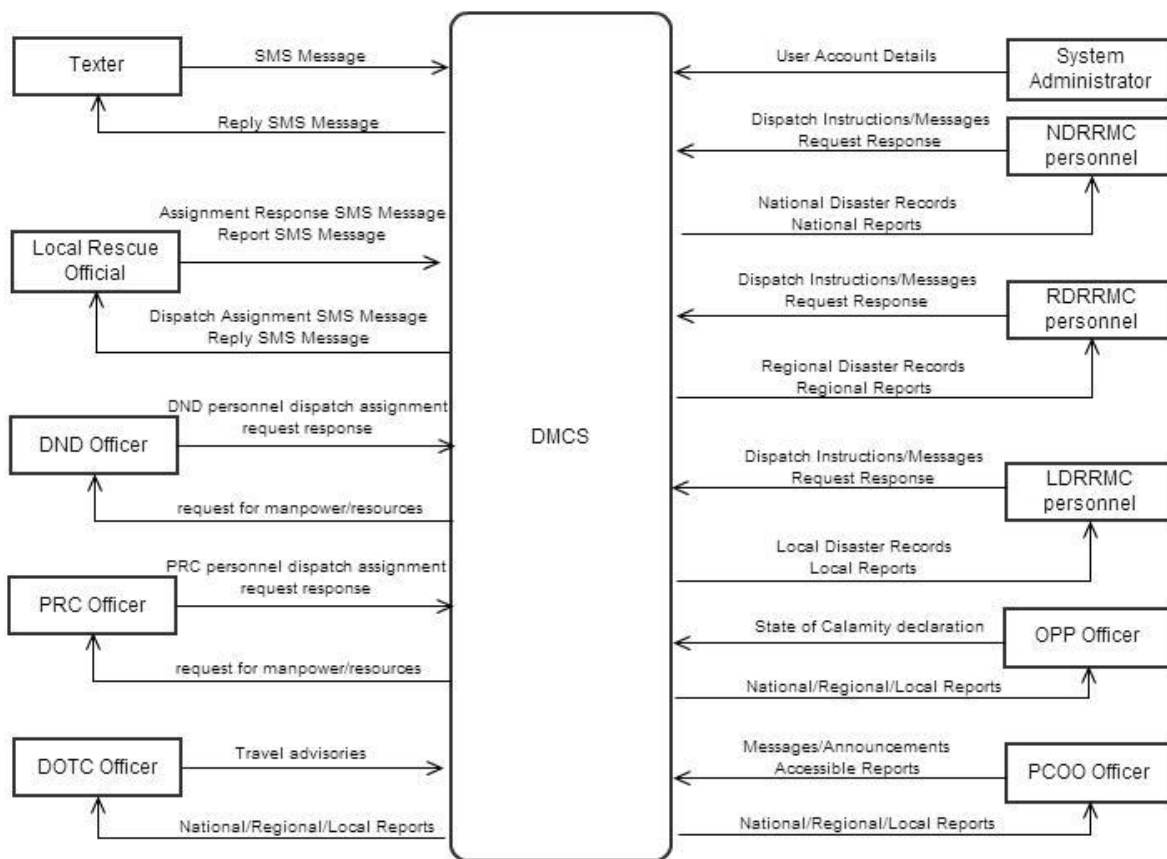
Figure 3 Context Diagram of the Disaster Management Communication System

B. Use-Case Diagram

The actors that interacted with the web system are the system administrator, NDRRMC personnel, RDRRMC personnel, LDRRMC personnel, local rescue officials, civilian report text senders, Department of National Defense (DND) personnel, Office of the President representative, Department of Transportation and Communications (DOTC) personnel, Presidential Communications Operations Office (PCOO), and the Philippine Red Cross personnel. Figure 4 shows the use-case diagram for system.
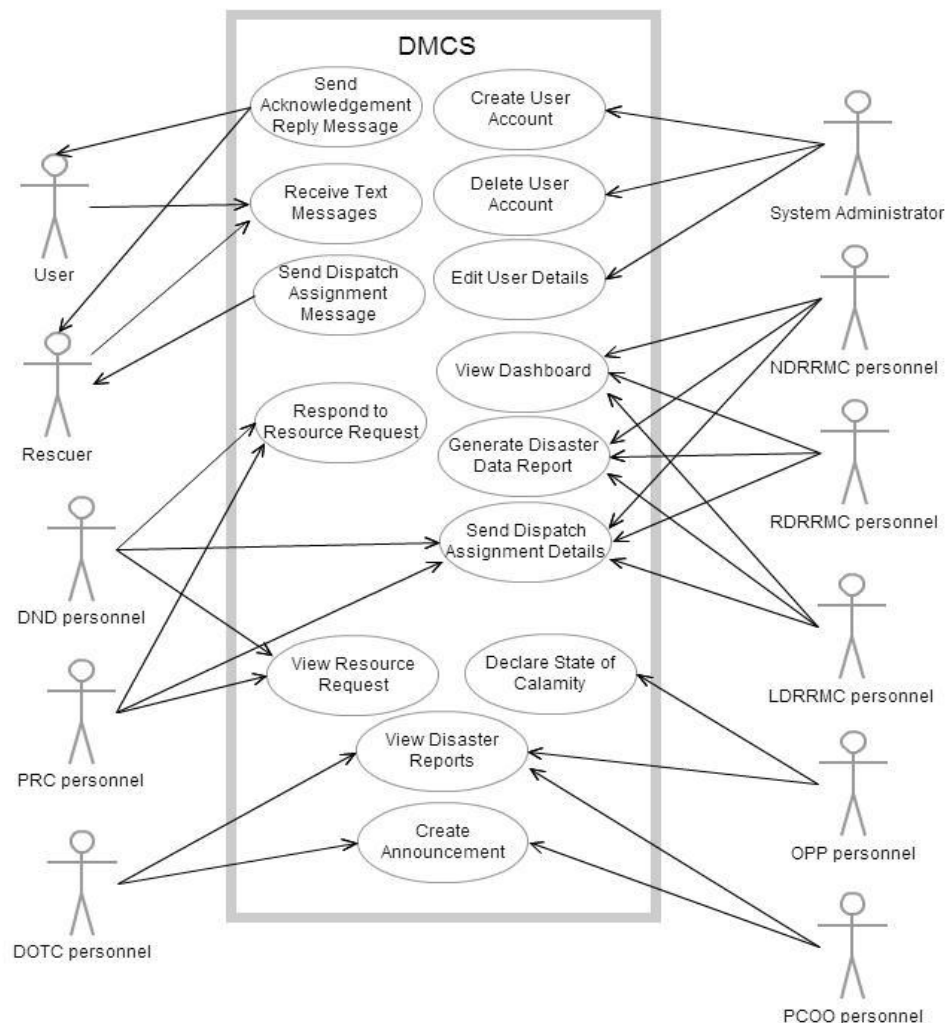
Figure 4 Use-Case Diagram for the Disaster Management Communication System

C. Sequence Diagrams
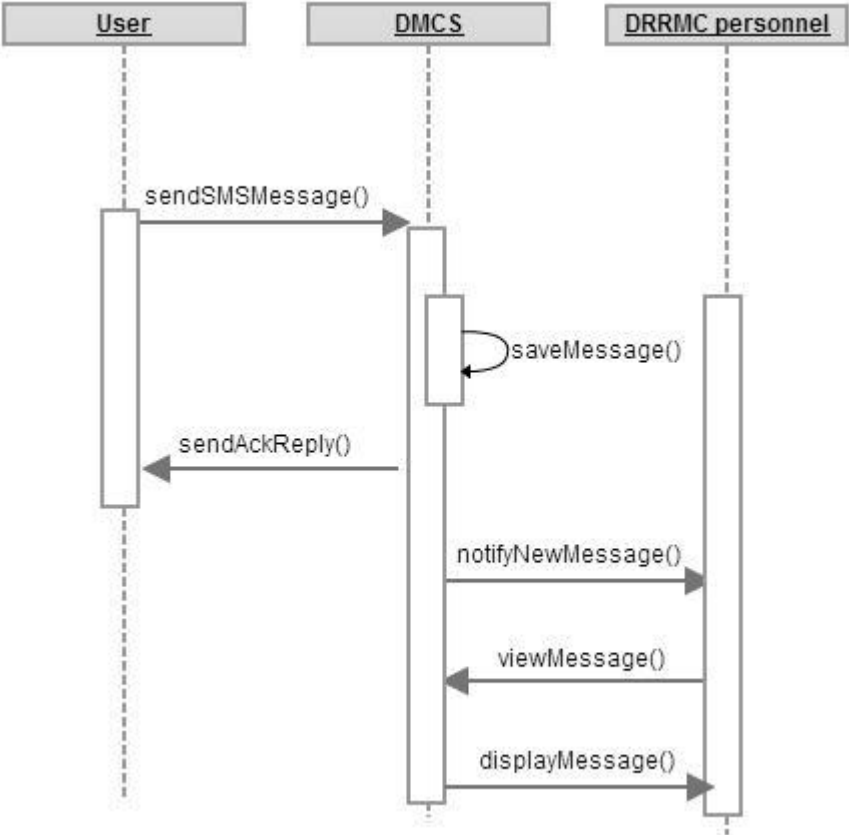
Figure 5 Sequence diagram for a user to send a text message to the DMCS
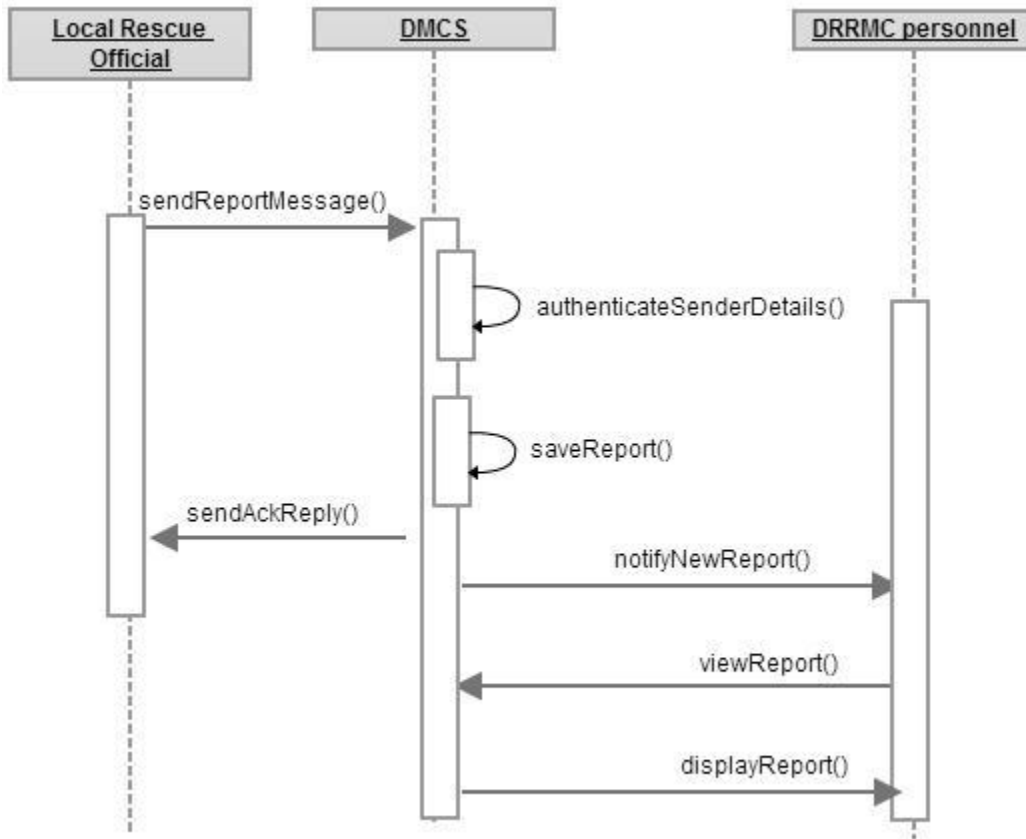
Figure 6 Sequence diagram for a local rescue official to send a report to the DMCS
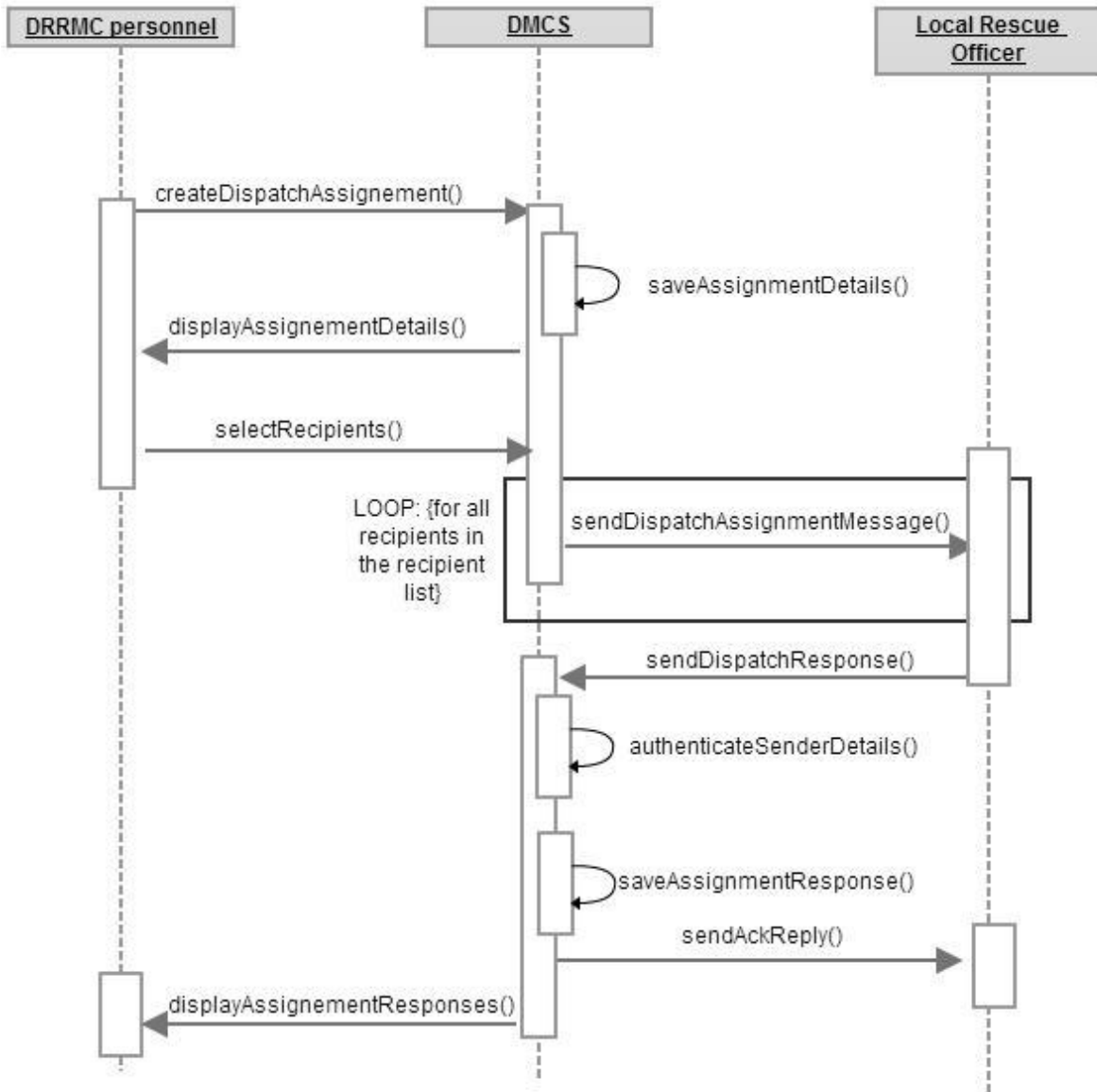
Figure 7 Sequence diagram for a DRRMC personnel to send a dispatch assignment to a local rescue official

D. Entity-Relationship Diagrams

The web system's database contained the details about its users, the local rescue officials and the information uploaded by the mobile application. Figure 8, 9 and 10 show the ERD of the web system.
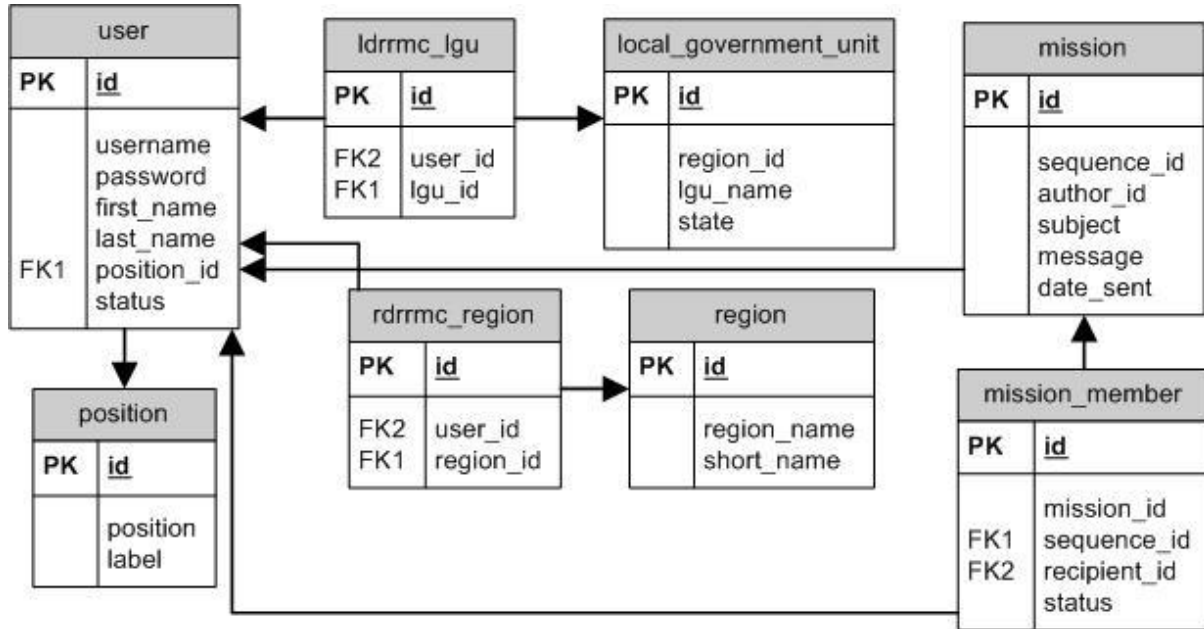
Figure 8 ERD of DMCS (1)

Figure 9 ERD of DMCS (2)

user

PK	id
	username
	password
	first_name
	last_name
FK1	position_id
	status

local_government_unit

PK	id
	region_id
	lgu_name
	state

announcement

PK	id
	subject
	message
FK1	poster_id
	date_posted

uploaded_file

PK	id
FK1	announcement_id
FK2	user_id
	file_name
	file_size
	file_type
	date_uploaded

resource_request

PK	id
FK2	requester_id
	resource
	quantity
	status
	remarks
	date_requested
	recipient_id
	response_remarks
FK1	event_id
	date_responded
	response_quantity

report_record

PK	id
	report_title
FK1	report_maker_id
	date_generated
	publish_status

event

PK	id
	title
	description
FK1	creater
	date_started
	date_ended
FK2	location
	status

Figure 9 ERD of DMCS (2)

Figure 10 ERD of DMCS (3)

user

PK	id
	username
	password
	first_name
	last_name
FK1	position_id
	status

local_government_unit

PK	id
	region_id
	lgu_name
	state

calamity_structure

PK	id
FK1	lgu_id
FK2	declarer_id
	date_declared
	date_ended
	status

event

PK	id
	title
	description
FK1	creater
	date_started
	date_ended
FK2	location
	status

manpower

| PK	id
	contact_number
FK2	location
	dispatch_status
	organization
	first_name
	last_name
	status
FK1	current_dispatch_record_id

validation_request

PK	id
FK1	message_id
FK2	manpower_id
	response
	date_sent
	date_validated
	transaction_code

rescue_message

PK	id
	contact_number
	name
	location
	remarks
	date_received
	validation
	view_option
	validation_response

dispatch_record

PK	id
FK3	recipient_id
	date_sent
	response
FK2	sender_id
	date_ended
	status
FK1	event_id
	transaction_code

dispatch_message

PK	id
FK1	dispatch_record_id
	message
	date_sent

report_data

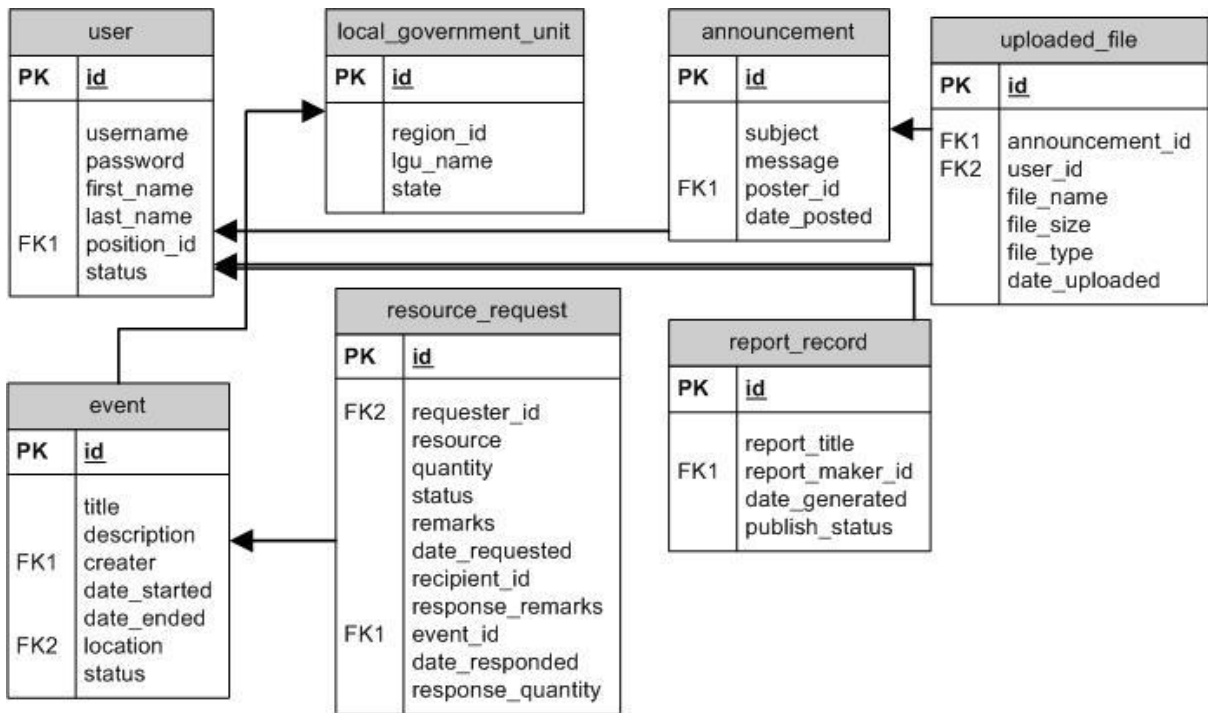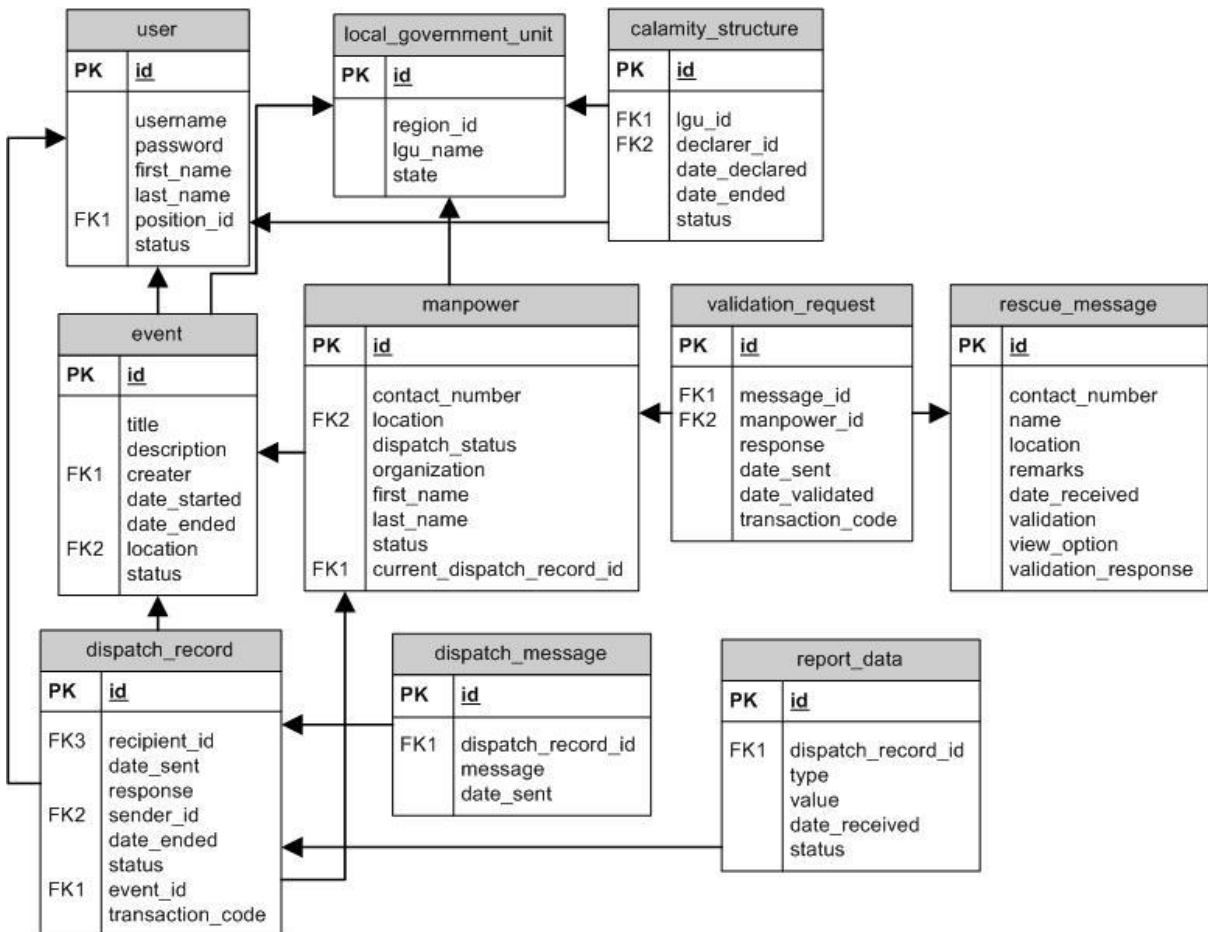| PK	id
FK1	dispatch_record_id
	type
	value
	date_received
	status

Figure 10 ERD of DMCS (3)

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E. SMS Message Format

The expected format of the SMS message that the mobile application received and processed from the people who would request to be rescued is as follows:

RESCUEME <NAME>/<LOCATION>/<ADDITIONAL INFORMATION>

Where <ADDITIONAL INFORMATION> : <DESCRIPTION> || NULL

<LOCATION> - local government unit where the sender is located

<NAME> - name of the sender

<DESCRIPTION> - additional message or description about the sender's

situation (optional)

The expected format of the SMS message that the mobile application received and processed from the local rescue official's response to a dispatch request is as follows:

RESCUERESPONSE <TRANSACTION CODE> <ASSIGNMENT RESPONSE>

Where <TRANSACTION CODE> : the system generated transaction code

<ASSIGNMENT RESPONSE> : "ACCEPT" || "DECLINE" || "END"

The <ASSIGNMENT RESPONSE> message is used for responding to a dispatch assignment from the NDRRMC personnel. The local rescue official replied with "ACCEPT" if the he accepts the assignment sent to him and replied "DECLINE" if he cannot accept and perform the assignment. If the dispatched personnel wished to end his dispatch assignment, he/she can also reply with "END".

The expected format of the SMS message that the mobile application received and processed from the local rescue official's dispatch report is as follows:

RESCUEREPORT <TRANSACTION CODE> <REPORT>

Where <TRANSACTION CODE> : the system generated transaction code

<REPORT> : <STAT>/<REPORT> || <STAT>

<STAT>: (<PARAMETER> = <VALUE>) || NULL

<PARAMETER>: "DEAD" || "AFFECTED" || "EVACUEE" || "PENDING" ||

"ACTION" || "STATUS" || "REQUEST"

<VALUE>: the value of the parameter in the report

The <REPORT> message was used for sending report details about the situation of the area where the rescuer is dispatched in to the web system. The local rescue official had the ability to send report statistics about the death count, number of affected families, evacuee count, number of families that are pending for to be evacuated, actions that have been done for that event, the current status of the event and resource requests for that event.
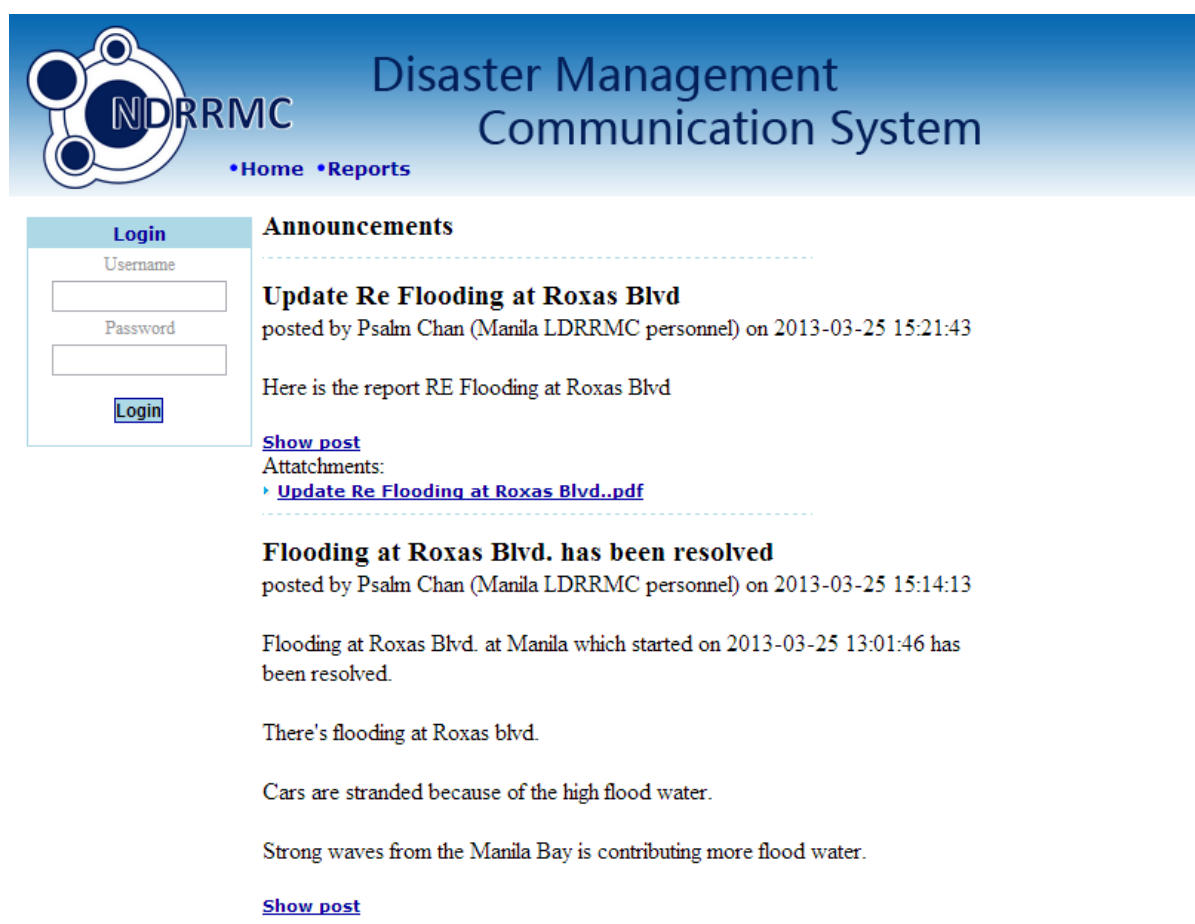
F. Technical Architecture

The users can access web system using a web browser. The web system was tested using Mozilla Firefox and Google Chrome browser. The following are the minimum requirements needed for the web server to work:

1. Pentium IV processor

2. 128MB RAM

3. 2 GB disk storage

4. Internet connection

5. Apache 2.2.14

6. MySQL 5.1.41

7. PHP 5.3.2 support

V. Results

The Disaster Management Communication System (DMCS) provided an online website that allowed different key players in the NDRRMC to communicate and share information. Figure 11 shows the home page of DMCS.

Figure 11 Home Page of DMCS

There were nine kinds of registered users in the DMCS website: the system administrator, National Disaster Risk Reduction and Management Council (NDRRMC) officer, Regional Disaster Risk Reduction and Management Council (RDRRMC) officer, Local Disaster Risk Reduction and Management Council (LDRRMC) officer, Office of the President (OP) officer, Presidential Communications Operations Office (PCOO) officer, Department of Transportation

and Communications (DOTC) officer, Department of National Defense (DND) officer, and Philippine Red Cross (PRC) officer. The following are the pages existing in the DMCS website and the respective roles to which they can be accessed.

Pages which were accessible to all users:

The Login section (see Figure 12) of the website was used by registered users to access additional functionalities of the website. Username and password is required for the login procedure to proceed.

Figure 12 Login Section

The Reports page (see Figure 13) contained the uploaded reports about events generated by the registered site users.

Figure 13 Reports page of DMCS

Pages which were accessible to system administrator only:

The Manage Users page (see Figure 14) displayed the list of registered users in the system.

Figure 14 Manage Users page

The administrator had the ability to create a new user account by clicking the *Create New User* link. The user would then be shown the Create New User Account page (see Figure 15). The administrator can then fill up the form for the new user's details. By clicking the *Create User* button, the new user account was created. A notification message (see Figure 16) was shown to confirm that the new user account has been created.

Figure 15 Create New User page of DMCS

Figure 16 Notification message for confirming new account has been created of DMCS

The Administrator edited the information of a user by clicking the *Edit* button in the same line user's name. The user was then be redirected to the Edit User Details page (see Figure 17) where the administrator can edit the user's details. The changes were saved once the administrator clicks the *Save Changes* button.

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Figure 17 Edit User Details page of DMCS

The Administrator deleted a user's account by clicking the *Deactivate* button. A dialog (see Figure 18) then appeared to confirm the deactivation of the user account. Clicking *OK* deactivated the chosen account, and clicking *Cancel* canceled the deactivation.
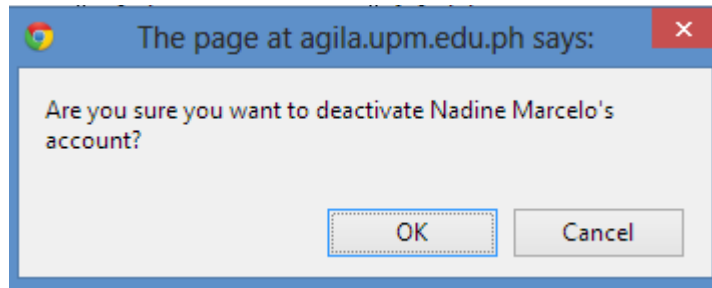
Figure 18 Confirmation Dialog of deactivating a user account in DMCS

Pages which were accessible to the NDRRMC officer:

The View Civilian Messages page (see Figure 19) allowed the user to view the SMS messages received by the server. The user chose the time interval of when the SMS messages were received by the system by selecting the starting and ending date. The user also chose the location from which the SMS sender specified he/she was located in as specified in the message sent. The NDRRMC officer has access to SMS messages from all locations.

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The *Reset* button cleared all the user input in the form. The *View* button submitted the given input from the user and showed the Display Civilian Messages page (see Figure 20) which displayed the SMS messages that the server received in between the starting and ending date from the location selected.

Figure 19 View Civilian Messages page of DMCS

View civilian sms messages between 2013-02-28 and 2013-03-28 from all regions

▸ **View Civilian Messages**
▸ **Manage Messages**
▸ **Manage Events**
▸ **Manage Resource Requests**
▸ **Manage State of Calamity**
▸ **Manage Reports**

Log-out

Messages found: 10

	Date recieved	Location	Name	Message	Contact number
☐	2013-03-28 08:40:08	manila	Mari Zubiri	Mataas na ang baha sa Pandacan. Padala po kayo ng life rafts pls.	+639187426092
☐	2013-03-28 05:27:16	manila	Ramon Revilla	It's flooding in Paco!	+639207428881
☐	2013-03-28 01:07:06	manila	Fernando Poe	Please send help to UST hospital. flood water is starting to enter the hospital premises.	+639210768548
☐	2013-03-26 14:00:20	manila	Bles	i'm stranded in intramuros	+639177391180
☐	2013-03-25 12:41:30	manila	blessie gamboa	it's flooding in roxas blvd	+639212938548
☐	2013-03-21 15:10:07	manila	Erap Estrada	It's flooding in Paco!	+639173344003
☐	2013-03-21 14:00:49	manila	Heart Evangelista	Mataas na ang baha sa Pandacan	+639019955864

Figure 20 Display Civilian Messages page of DMCS

In the Display Civilian Messages page, the user selected the messages they want to reply to by ticking the textbox next in line with the SMS message then click the *Send Message* button. The user was redirected to the Send SMS Message page (see Figure 21) where he/she can input the message he wants to send to the chosen users. The user sent the message to the chosen users by clicking the *Send* button. A notification message (see Figure 22) was shown to confirm that the message has been queued for sending.

Figure 21 Send SMS Message page of DMCS

Figure 22 Notification Message to confirm that the SMS Message has been queued for sending by DMCS

The Manage Messages page (see Figure 23) displayed the list of messages which belong to the user. It allowed the user to view the messages he/she created or received. The messages highlighted in blue are unread, while the messages that are not highlighted are read.

Figure 23 Manage Messages page of DMCS

By clicking the *Create New Message* link, the user was redirected to the Create New Message page (see Figure 24) where he/she can create a new message to be sent to another user. After accomplishing the form, the message was sent by clicking the *Send* button. A notification message (see Figure 25) to confirm that the message has been sent was shown.

Figure 24 Create New Message page

Figure 25 Notification to confirm that the message has been sent in DMCS

By clicking the subject of a message, the user was redirected to the View Message page (see Figure 26) where he/she viewed the messages under that thread, and replied to the thread at

the bottom of the page.

Figure 26 View Message page of DMCS

The Manage Resource Requests page (see Figure 27) showed the list of pending requests sent and pending requests received.

Figure 27 Manage Resource Requests page of DMCS

By clicking the *Create Resource Request* link, the user was redirected to the Create Resource Request page (see Figure 28) where the user filled up a form specifying what kind of resource he/she needs, the quantity of needed resource, the recipient of the request and the remarks for the request.

Figure 28 Create Resource Request page of DMCS

The Create Reports page (see Figure 29) allowed the user to generate a report about a resolved event. It allowed the user to input descriptions about the event and actions taken for that event.
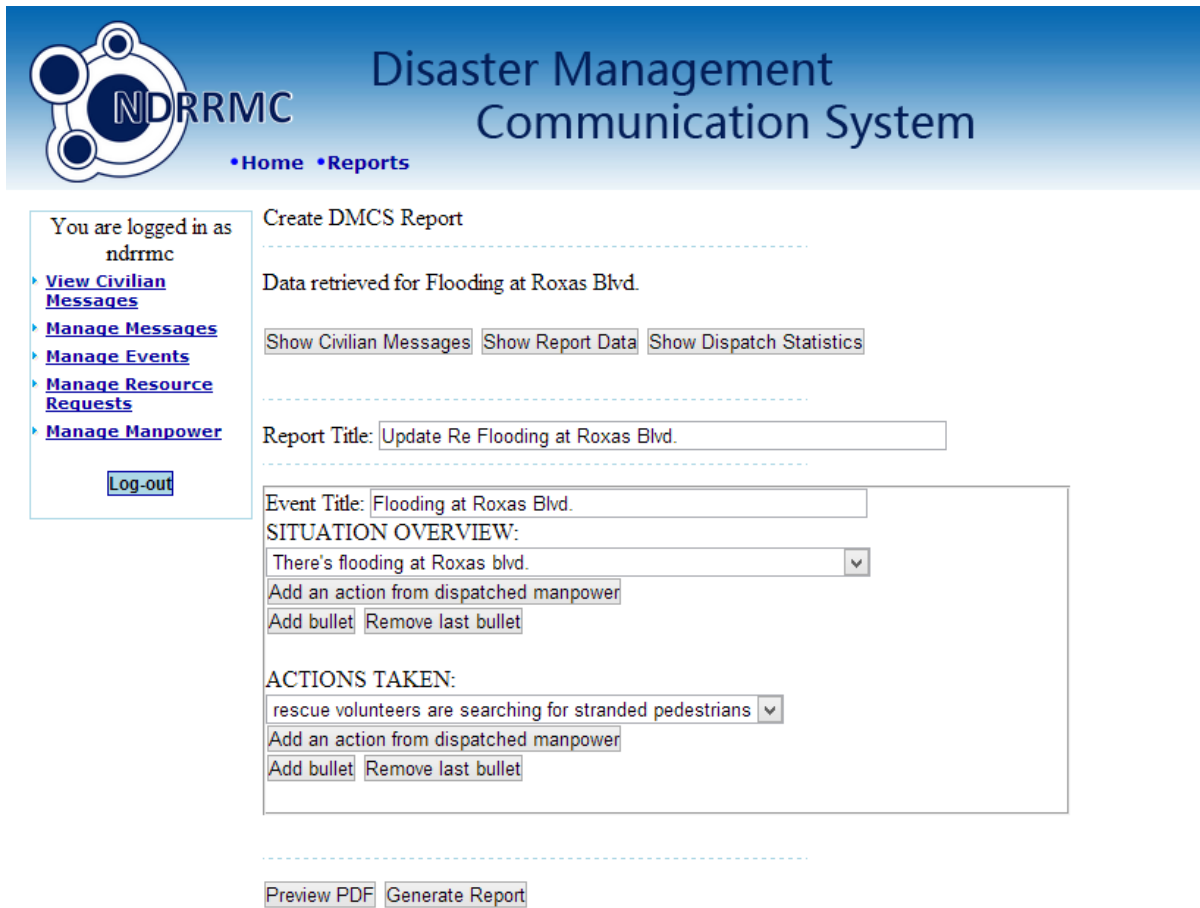
Figure 29 Create Report page of DMCS

Pages which were accessible to the RDRRMC officer:

The View Civilian Messages page was similar to the page accessed by the NDRRMC officer (see Figure 19) except the RDRRMC officer has access to SMS messages from locations under the region where he/she is assigned.

The Manage Messages page was similar to the page accessible to the NDRRMC officer (see Figure 23).

The Manage Resource Requests page was similar to the page accessible to the NDRRMC officer (see Figure 27) except the recipients of the request is limited to the NDRRMC officer and the LDRRMC officers under the RDRRMC user's assigned region.

The Create Reports page (see Figure 29) allowed the user to generate a report about a resolved event. It allowed the user to input descriptions about the event and actions taken for that event.

Pages which were accessible to the LDRRMC officer:

The View Civilian Messages page was similar to the page accessed by the NDRRMC officer (see Figure 30) except the LDRRMC officer has access to SMS messages from the local government unit he/she is assigned.

Figure 30 View Civilian Messages page of DMCS

The Manage Manpower page (see Figure 31) showed the list of registered manpower under the user's local government unit.

Figure 31 Manage Manpower page of DMCS

The user registered a new manpower by clicking the *Register manpower* link. The user was shown the Register Manpower page (see Figure 32). The user then filled up the form for the manpower's details. By clicking the *Register* button, the new manpower was registered. A notification message (see Figure 33) was shown to confirm that the new manpower has been registered.

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Figure 32 Register Manpower page of DMCS

Figure 33 Notification message for confirming new manpower has been registered in DMCS

The user edited the information of a registered manpower by clicking the *Edit* button in the same line with the chosen manpower's name. The user was redirected to the Edit Manpower Details page (see Figure 34) where the user edited the manpower's details. The changes were saved once the user clicks the *Save Changes* button.
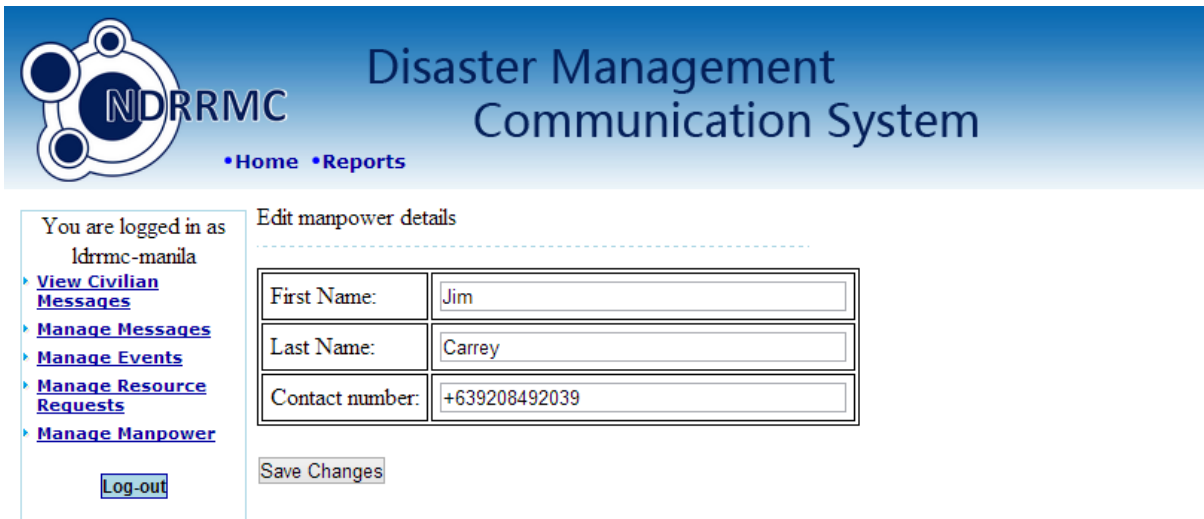
Figure 34 Edit Manpower Details page of DMCS

The user removed the registered manpower from the list of registered manpower by clicking the *Deactivate* button. A dialog (see Figure 35) appeared to confirm that the chosen manpower has been unregistered. Clicking *OK* deactivated the chosen manpower's account, and clicking *Cancel* canceled the action.
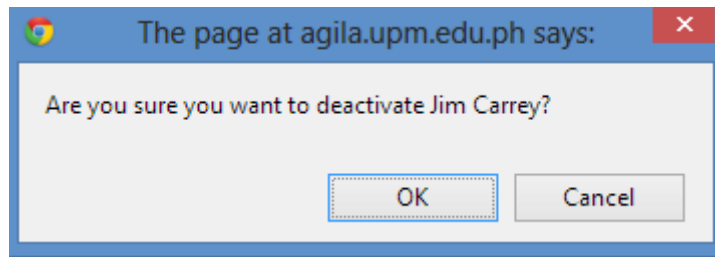
Figure 35 Confirmation Dialog to deactivate the manpower in DMCS

The Manage Manpower Dispatch page (see Figure 36) displayed the list of deployed manpower, list of manpower who are pending approval response for dispatch, and the list of manpower available for dispatch.

View Civilian
Messages
Manage Messages
Manage Events
Manage Resource
Requests
Manage Manpower

Log-out

Deployed manpower units

No manpower are currently deployed for this event.

Pending approval manpower units

No manpower are currently pending for response for this event.

Available manpower units: 12

☐	Aquino, Noy	Manila	+639228979654
☐	Aquino, Kris	Manila	+639209283471
☐	Babao, Julius	Manila	+639023948728
☐	Bustos, Jake	Manila	+639209293846
☐	Carrey, Jim	Manila	+639208492039
☐	Globe, Blue	Manila	+639177391180
☐	Huelgas, Eden	Manila	+639192572433
☐	Magboo, Sheila	Manila	+639187426092
☐	Obama, Barak	Manila	+639178930283
☐	Ontiveros, Risa	Manila	+639179302836
☐	Perez, Clo	Manila	+639180239204
☐	Tan, Dwight	Manila	+639177391576

Assign to Event: Emergency at Intramuros
Dispatch Personnel

Figure 36 Manage Manpower Dispatch page of DMCS

The user relieved deployed manpower of their dispatch assignment by selecting their name from the *Deployed manpower* then clicking the *Relieve Personnel* button. The user was directed to a Create SMS Message page (see Figure 37) where he/she can specify a message that was sent along with the end of dispatch SMS message to the manpower chosen.

Figure 37 Create SMS Message page of DMCS

The user relieved manpower who are pending a dispatch response from their dispatch assignment by selecting their name from the *Pending approval manpower* list then clicking the *Relieve Personnel* button. The user was then be directed to a Create SMS Message page (see Figure 37) where he/she can specify a message that was sent along with the end of dispatch SMS message to the manpower chosen.

The user requested available manpower for a dispatch assignment by selecting their name from the *Available manpower* list then clicking the *Dispatch Personnel* button. The user was then redirected to a Create SMS Message page (see Figure 38) where he/she can specify a message that was sent along with the dispatch assignment request SMS message to the manpower chosen.
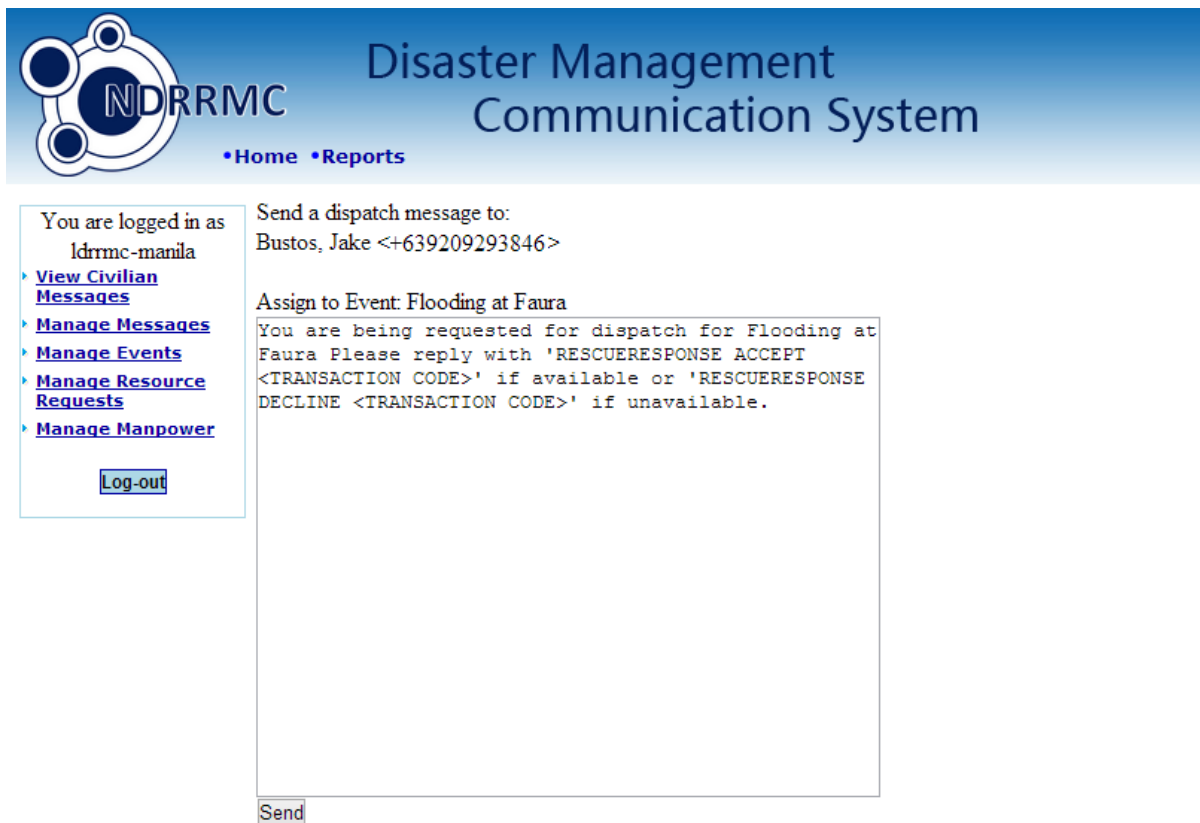
Figure 38 Send Dispatch Message page of DMCS

The Send Announcement to Manpower page (see Figure 39) allowed the user to send a SMS message to the chosen manpower. The user chose the manpower who received the SMS message by ticking the check box beside their name. By clicking the *Send Announcement* button, the user went to the Send SMS Message page (see Figure 40), where he/she can input the message he/she wants to send to the selected manpower. The user sent the message to the chosen manpower by clicking the *Send* button. A notification message (see Figure 41) was shown to confirm that the message has been queued for sending.

Figure 39 Send Announcement page of DMCS

Figure 40 Send SMS message page of DMCS

Figure 41 Notification Message to confirm that the SMS Message has been queued for sending of DMCS

The Manage Messages page was similar to the page accessible to the NDRRMC personnel (see Figure 23). It displayed the list of messages which belong to the user. It allowed the user to view the messages he/she created or received. The messages highlighted in blue are unread, while the messages that are not highlighted are read.

The Manage Resource Requests page was similar to the page accessible to the NDRRMC personnel (see Figure 27), except the recipients of the resource requests are limited to the RDRRMC officers who the LDRRMC officer is under.

The Create Reports page (see Figure 29) allowed the user to generate a report about a resolved event. It allowed the user to input descriptions about the event and actions taken for that event.

Pages which were accessible to the Office of the President officer:

The Manage Reports page (see Figure 42) allowed the OP officer to view the published and unpublished reports generated by the DRRMC officers.

Figure 42 Manage Reports page of DMCS

The Manage State of Calamity page (see Figure 43) allowed the OP officer to declare and

remove the state of calamity in different areas.

Figure 43 Manage State of Calamity page of DMCS

Pages that can be accessed by PCOO officer:

The Manage Reports page (see Figure 44) allowed the PCOO officer to view the published and unpublished reports generated by the DRRMC officers. The PCOO officer also chose to publish an unpublished report by clicking on the *Publish* button.

Figure 44 Manage Reports page of DMCS

The Create Announcement page (see Figure 45) allowed the PCOO officer to create an announcement that was publicly accessible in the website. The user inputted the announcement subject, message and the files to be attached for the announcement. The user posted the announcement clicking the *Post* button.

Figure 45 Create Announcement page of DMCS

Pages which were accessible to the DOTC officer:

The Manage Reports page (see Figure 42) allowed the DOTC officer to view the published and unpublished reports generated by the DRRMC officers.

The Create Announcement page (see Figure 45) allowed the DOTC officer to create travel advisories and other announcements that was publicly accessible in the website. The user inputted the announcement subject, message and the files to be attached for the announcement. The user posted the announcement clicking the *Post* button.

Pages which were accessible to the DND officer:

The Manage Resource Requests page was similar to the page accessible to the LDRRMC

officer (see Figure 27), except the DND officer cannot create new resource requests.

The Manage Manpower page was similar to the page accessible to the LDRRMC officer (see Figure 31), except the DND officer can only manage the manpower registered under the DND organization. This means that the DND officer could only register, dispatch and send messages to manpower under the DND organization.

Pages which were accessible to the PRC officer:

The Manage Resource Requests page was similar to the page accessible to the LDRRMC officer (see Figure 27), except the PRC officer could not create new resource requests.

The Manage Manpower page was similar to the page accessible to the LDRRMC officer (see Figure 31), except the PRC officer could only manage the manpower registered under the PRC organization. This means that the PRC officer could only register, dispatch and send messages to manpower under the PRC organization.

The DMCS used a SMS gateway which has two main parts: the gateway PHP file, which received and parsed data from the mobile SMS gateway application, found on the server, and the mobile SMS gateway application, which accepted and sent SMS messages between the server and message recipient, running on an Android phone.

VI. Discussion

The Disaster Management Communication System (DMCS) is a system that allows key players in the NDRRMC communicate and collect information connected to disaster management. The system had two major parts: the website and the SMS gateway.

The website had nine kinds of registered users: the system administrator, NDRRMC officer, RDRRMC officer, LDRRMC officer, OP officer, PCOO officer, DOTC officer, DND officer, and PRC officer.

The system administrator can create, edit and delete user accounts.

The NDRRMC officer can view the rescue request messages sent by civilians. He/she can also send and receive messages and instructions to other users. He/she can send and respond to resource requests and generate reports from the data in the system.

The RDRRMC officer can view the rescue request messages sent by civilians under his/her assigned region. He/she can also send and receive messages and instructions to other users. He/she can send and respond to resource requests and generate reports from the data in the system under his/her assigned region.

The LDRRMC officer can view the rescue request messages sent by civilians under his/her assigned local government unit. He/she can also send and receive messages and instructions to other users. He/she can send and respond to resource requests and generate reports from the data in the system under his/her assigned region. He/she can also register, edit and unregister manpower under his local government unit. He can also dispatch and send messages to the manpower registered under his local government unit.

The OP officer can view the generated reports in the website. He/she can also manage the declaration and ending of the state of calamity in the locations registered in the website.

The PCOO officer can view the generated reports in the website and select which reports

were made publicly accessible. He/she can also create announcements that can be viewed in the website.

The DOTC officer can view the generated reports in the website. He/she can also create announcements that can be viewed in the website.

The DND officer can respond to resource requests from other users. He/she can also register, edit and unregister manpower under the DND organization. He can also dispatch and send messages to the manpower registered under his organization.

The PRC officer can respond to resource requests from other users. He/she can also register, edit and unregister manpower under the PRC organization. He can also dispatch and send messages to the manpower registered under his organization.

The SMS gateway has two parts: the SMS gateway mobile application, which sends and receives SMS messages between the users using the website and mobile phone users, and the server side PHP script that receives, parses and processes data from the mobile application. The SMS gateway mobile application used for this project is an open-source Android application named Envaya SMS.

VII. Conclusion

The Disaster Management Communication System (DMCS) allowed different key players within, and closely related to, NDRRMC to communicate and share information about disaster affected areas and generate reports about the events under their jurisdiction. It also allowed civilians to send SMS messages to the local officials.

The DMCS has two main components: the website and the SMS gateway. The website serves as an interface for the registered users to view and process disaster related data. The SMS gateway facilitates the transmission of SMS messages between the server and the text message senders who use mobile phones. The data gathered by the system was primarily from the SMS messages that the system receives from the civilians and dispatched local officials. It also allowed the DRRMC users to communicate with other users and send resource requests to other users within the system. It also had a report generating and posting function which allowed authorized users to generate, filter and publish reports about disaster related events.

VIII. Recommendation

The DMCS can be further improved by:

- Allowing multimedia data to be sent and received to and from the server

- Having the SMS messaging cost incurred by the texters passed on to the server or have a partnership with a network service provider to make the messaging cost less or free.

- Implementing automatic alert or notification methods for the system user to know of new received data.

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X. Appendix

A. envaya_sms_gateway Folder

config.php

```php
<?php
ini_set('display_errors','0');
$PASSWORD = 'password';
$OUTGOING_DIR_NAME = "outgoing_sms";
$SEND_SMS_DIR_NAME =
"envaya_sms_gateway/$OUTGOING_DIR_NAME";
$AMQP_SETTINGS = array(
    'host' => 'localhost',
    'port' => 5672,
    'user' => 'guest',
    'password' => 'guest',
    'vhost' => '/',
    'queue_name' => "envayasms"
);
```

EnvayaSMS.php

```php
<?php
class EnvayaSMS
{
    const ACTION_INCOMING = 'incoming';
    const ACTION_FORWARD_SENT = 'forward_sent';
    const ACTION_SEND_STATUS = 'send_status';
    const ACTION_DEVICE_STATUS = 'device_status';
    const ACTION_TEST = 'test';
    const ACTION_OUTGOING = 'outgoing';
    const ACTION_AMQP_STARTED = 'amqp_started';
    // ACTION_OUTGOING should probably be const
ACTION_POLL = 'poll',
    // but 'outgoing' maintains backwards
compatibility between new phone versions with old
servers

    const STATUS_QUEUED = 'queued';
    const STATUS_FAILED = 'failed';
    const STATUS_SENT = 'sent';
    const STATUS_CANCELLED = 'cancelled';

    const EVENT_SEND = 'send';
    const EVENT_CANCEL = 'cancel';
    const EVENT_CANCEL_ALL = 'cancel_all';
    const EVENT_LOG = 'log';
    const EVENT_SETTINGS = 'settings';

    const DEVICE_STATUS_POWER_CONNECTED =
"power_connected";
```

```php
    const DEVICE_STATUS_POWER_DISCONNECTED =
"power_disconnected";
    const DEVICE_STATUS_BATTERY_LOW =
"battery_low";
    const DEVICE_STATUS_BATTERY_OKAY =
"battery_okay";
    const DEVICE_STATUS_SEND_LIMIT_EXCEEDED =
"send_limit_exceeded";

    const MESSAGE_TYPE_SMS = 'sms';
    const MESSAGE_TYPE_MMS = 'mms';
    const MESSAGE_TYPE_CALL = 'call';

    // power source constants same as from Android's
BatteryManager.EXTRA_PLUGGED
    const POWER_SOURCE_BATTERY = 0;
    const POWER_SOURCE_AC = 1;
    const POWER_SOURCE_USB = 2;

    static function escape($val)
    {
        return htmlspecialchars($val, ENT_COMPAT,
'UTF-8');
    }

    private static $request;

    static function get_request()
    {
        if (!isset(self::$request))
        {
            $version = @$_POST['version'];

            if (isset($_POST['action']))
            {
                self::$request = new
EnvayaSMS_ActionRequest();
            }
            else
            {
                self::$request = new EnvayaSMS_Request();
            }

        }
        return self::$request;
    }
}

class EnvayaSMS_Request
{
    public $version;

    public $version_name;
```

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```php
    public $sdk_int;
    public $manufacturer;
    public $model;

    function __construct()
    {
        $this->version = (int)@$_POST['version'];

        if (preg_match('#/(?P<version_name>[\w\.\-]+)
\(Android; SDK (?P<sdk_int>\d+);
(?P<manufacturer>[^;]*); (?P<model>[^\)]*)\)#',
            @$_SERVER['HTTP_USER_AGENT'],
$matches))
        {
            $this->version_name =
$matches['version_name'];
            $this->sdk_int = $matches['sdk_int'];
            $this->manufacturer =
$matches['manufacturer'];
            $this->model = $matches['model'];
        }
    }

    function supports_json()
    {
        return $this->version >= 28;
    }

    function supports_update_settings()
    {
        return $this->version >= 29;
    }

    function get_response_type()
    {
        if ($this->supports_json())
        {
            return 'application/json';
        }
        else
        {
            return 'text/xml';
        }
    }

    function render_response($events = null /*
optional array of EnvayaSMS_Event objects */)
    {
        if ($this->supports_json())
        {
            return json_encode(array('events' =>
$events));
        }
        else
        {
            ob_start();
            echo "<?xml version='1.0' encoding='UTF-
8'?>\n";
            echo "<response>";

            if ($events)
            {
                foreach ($events as $event)
                {
                    echo "<messages>";
                    if ($event instanceof
EnvayaSMS_Event_Send)
                    {
                        if ($event->messages)
                        {
                            foreach ($event->messages as
$message)
                            {
                                $type = isset($message->type) ?
$message->type : EnvayaSMS::MESSAGE_TYPE_SMS;
                                $id = isset($message->id) ? "
id=\"".EnvayaSMS::escape($message->id)."\"" : "";
                                $to = isset($message->to) ? "
to=\"".EnvayaSMS::escape($message->to)."\"" : "";
                                $priority = isset($message-
>priority) ? " priority=\"".$message->priority."\"" :
"";
                                echo
"<$type$id$to$priority>".EnvayaSMS::escape($mess
age->message)."</$type>";
                            }
                        }
                    }
                    echo "</messages>";
                }
            }
            echo "</response>";
            return ob_get_clean();
        }
    }

    function render_error_response($message)
    {
        if ($this->supports_json())
        {
            return json_encode(array('error' =>
array('message' => $message)));
        }
        else
        {
            ob_start();
```

```php
      echo "<?xml version='1.0' encoding='UTF-
8'?>\n";
      echo "<response>";
      echo "<error>";
      echo EnvayaSMS::escape($message);
      echo "</error>";
      echo "</response>";
      return ob_get_clean();
    }
  }
}

class EnvayaSMS_ActionRequest extends
EnvayaSMS_Request
{
  private $request_action;

  public $settings_version; // integer version of
current settings (as provided by server)
  public $phone_number;   // phone number of
Android phone
  public $log;         // app log messages since last
successful request
  public $now;          // current time (ms since Unix
epoch) according to Android clock
  public $network;      // name of network, like WIFI
or MOBILE (may vary depending on phone)
  public $battery;      // battery level as percentage
  public $power;        // power source integer, see
EnvayaSMS::POWER_SOURCE_*

  function __construct()
  {
    parent::__construct();

    $this->phone_number =
$_POST['phone_number'];
    $this->log = $_POST['log'];
    $this->network = @$_POST['network'];
    $this->now = @$_POST['now'];
    $this->settings_version =
@$_POST['settings_version'];
    $this->battery = @$_POST['battery'];
    $this->power = @$_POST['power'];
  }

  function get_action()
  {
    if (!$this->request_action)
    {
      $this->request_action = $this->_get_action();
    }
    return $this->request_action;
```

```php
  }

  private function _get_action()
  {
    switch (@$_POST['action'])
    {
      case EnvayaSMS::ACTION_INCOMING:
        return new
EnvayaSMS_Action_Incoming($this);
      case EnvayaSMS::ACTION_FORWARD_SENT:
        return new
EnvayaSMS_Action_ForwardSent($this);
      case EnvayaSMS::ACTION_OUTGOING:
        return new
EnvayaSMS_Action_Outgoing($this);
      case EnvayaSMS::ACTION_SEND_STATUS:
        return new
EnvayaSMS_Action_SendStatus($this);
      case EnvayaSMS::ACTION_TEST:
        return new EnvayaSMS_Action_Test($this);
      case EnvayaSMS::ACTION_DEVICE_STATUS:
        return new
EnvayaSMS_Action_DeviceStatus($this);
      case EnvayaSMS::ACTION_AMQP_STARTED:
        return new
EnvayaSMS_Action_AmqpStarted($this);
      default:
        return new EnvayaSMS_Action($this);
    }
  }

  function is_validated($correct_password)
  {
    $signature =
@$_SERVER['HTTP_X_REQUEST_SIGNATURE'];
    if (!$signature)
    {
      return false;
    }

    $is_secure = (!empty($_SERVER['HTTPS']) AND
filter_var($_SERVER['HTTPS'],
FILTER_VALIDATE_BOOLEAN));
    $protocol = $is_secure ? 'https' : 'http';
    $full_url = $protocol . "://" .
$_SERVER['HTTP_HOST'] .
$_SERVER['REQUEST_URI'];

    $correct_signature = $this-
>compute_signature($full_url, $_POST,
$correct_password);
```

```php
    //error_log("Correct signature:
'$correct_signature'");

    return $signature === $correct_signature;
  }

  function compute_signature($url, $data,
$password)
  {
    ksort($data);

    $input = $url;
    foreach($data as $key => $value)
      $input .= ",$key=$value";

    $input .= ",$password";

    return base64_encode(sha1($input, true));
  }
}

class EnvayaSMS_OutgoingMessage
{
  public $id;          // ID generated by server
  public $to;          // destination phone number
  public $message;      // content of SMS message
  public $priority;     // integer priority, higher
numbers will be sent first
  public $type;         //
EnvayaSMS::MESSAGE_TYPE_* value (default sms)
}

/*
 * An 'action' is the term for a HTTP request that app
sends to the server.
 */

class EnvayaSMS_Action
{
  public $type;
  public $request;

  function __construct($request)
  {
    $this->request = $request;
  }
}

class EnvayaSMS_MMS_Part
{
  public $form_name; // name of form field with
MMS part content
  public $cid;       // MMS Content-ID
```

```php
  public $type;      // Content type
  public $filename;  // Original filename of MMS
part on sender phone
  public $tmp_name;  // Temporary file where
MMS part content is stored
  public $size;      // Content length
  public $error;     // see
http://www.php.net/manual/en/features.file-
upload.errors.php

  function __construct($args)
  {
    $this->form_name = $args['name'];
    $this->cid = $args['cid'];
    $this->type = $args['type'];
    $this->filename = $args['filename'];

    $file = $_FILES[$this->form_name];

    $this->tmp_name = $file['tmp_name'];
    $this->size = $file['size'];
    $this->error = $file['error'];
  }
}

abstract class EnvayaSMS_Action_Forward extends
EnvayaSMS_Action
{
  public $message;      // The message body of the
SMS, or the content of the text/plain part of the
MMS.
  public $message_type;  //
EnvayaSMS::MESSAGE_TYPE_MMS or
EnvayaSMS::MESSAGE_TYPE_SMS
  public $mms_parts;     // array of
EnvayaSMS_MMS_Part instances
  public $timestamp;     // timestamp of incoming
message (added in version 12)

  function __construct($request)
  {
    parent::__construct($request);
    $this->message = @$_POST['message'];
    $this->message_type =
$_POST['message_type'];
    $this->timestamp = @$_POST['timestamp'];

    if ($this->message_type ==
EnvayaSMS::MESSAGE_TYPE_MMS)
    {
      $this->mms_parts = array();
      foreach (json_decode($_POST['mms_parts'],
true) as $mms_part)
```

```php
      {
          $this->mms_parts[] = new
EnvayaSMS_MMS_Part($mms_part);
      }
    }
  }
}

class EnvayaSMS_Action_Incoming extends
EnvayaSMS_Action_Forward
{
   public $from;        // Sender phone number

   function __construct($request)
   {
     parent::__construct($request);
     $this->type = EnvayaSMS::ACTION_INCOMING;
     $this->from = $_POST['from'];
   }
}

class EnvayaSMS_Action_ForwardSent extends
EnvayaSMS_Action_Forward
{
   public $to;         // Recipient phone number

   function __construct($request)
   {
     parent::__construct($request);
     $this->type =
EnvayaSMS::ACTION_FORWARD_SENT;
     $this->to = $_POST['to'];
   }
}

class EnvayaSMS_Action_AmqpStarted extends
EnvayaSMS_Action
{
   public $consumer_tag;

   function __construct($request)
   {
     parent::__construct($request);
     $this->type =
EnvayaSMS::ACTION_AMQP_STARTED;
     $this->consumer_tag =
$_POST['consumer_tag'];
   }
}

class EnvayaSMS_Action_Outgoing extends
EnvayaSMS_Action
{
```

```php
   function __construct($request)
   {
     parent::__construct($request);
     $this->type = EnvayaSMS::ACTION_OUTGOING;
   }
}

class EnvayaSMS_Action_Test extends
EnvayaSMS_Action
{
   function __construct($request)
   {
     parent::__construct($request);
     $this->type = EnvayaSMS::ACTION_TEST;
   }
}

class EnvayaSMS_Action_SendStatus extends
EnvayaSMS_Action
{
   public $status;    // EnvayaSMS::STATUS_* values
   public $id;        // server ID previously used in
EnvayaSMS_OutgoingMessage
   public $error;     // textual description of error (if
applicable)

   function __construct($request)
   {
     parent::__construct($request);
     $this->type =
EnvayaSMS::ACTION_SEND_STATUS;
     $this->status = $_POST['status'];
     $this->id = $_POST['id'];
     $this->error = $_POST['error'];
   }
}

class EnvayaSMS_Action_DeviceStatus extends
EnvayaSMS_Action
{
   public $status;    //
EnvayaSMS::DEVICE_STATUS_* values

   function __construct($request)
   {
     parent::__construct($request);
     $this->type =
EnvayaSMS::ACTION_DEVICE_STATUS;
     $this->status = $_POST['status'];
   }
}

/*
```

```php
 * An 'event' is the term for something the server
sends to the app,
 * either via a response to an 'action', or directly via
AMQP.
 */

class EnvayaSMS_Event
{
   public $event;

   /*
    * Formats this event as the body of an AMQP
message.
    */
   function render()
   {
      return json_encode($this);
   }
}

/*
 * Instruct the phone to send one or more outgoing
messages (SMS or USSD)
 */
class EnvayaSMS_Event_Send extends
EnvayaSMS_Event
{
   public $messages;

   function __construct($messages /* array of
EnvayaSMS_OutgoingMessage objects */)
   {
      $this->event = EnvayaSMS::EVENT_SEND;
      $this->messages = $messages;
   }
}

/*
 * Update some of the app's settings.
 */
class EnvayaSMS_Event_Settings extends
EnvayaSMS_Event
{
   public $settings;

   function __construct($settings /* associative array
of key => value pairs (values can be int, bool, or
string) */)
   {
      $this->event = EnvayaSMS::EVENT_SETTINGS;
      $this->settings = $settings;
   }
}

/*
 * Cancel sending a message that was previously
queued in the app via a 'send' event.
 * Has no effect if the message has already been
sent.
 */
class EnvayaSMS_Event_Cancel extends
EnvayaSMS_Event
{
   public $id;

   function __construct($id /* id of previously
created EnvayaSMS_OutgoingMessage object
(string) */)
   {
      $this->event = EnvayaSMS::EVENT_CANCEL;
      $this->id = $id;
   }
}

/*
 * Cancels all outgoing messages that are currently
queued in the app. Incoming mesages are not
affected.
 */
class EnvayaSMS_Event_CancelAll extends
EnvayaSMS_Event
{
   function __construct()
   {
      $this->event = EnvayaSMS::EVENT_CANCEL_ALL;
   }
}

/*
 * Appends a message to the app log.
 */
class EnvayaSMS_Event_Log extends
EnvayaSMS_Event
{
   public $message;

   function __construct($message)
   {
      $this->event = EnvayaSMS::EVENT_LOG;
      $this->message = $message;
   }
}
```

gateway.php

```php
<?php
```

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```php
require(dirname(__DIR__)."/connect_to_db.php");
require(dirname(__DIR__)."/clean.php");
require_once "config.php";
require_once"EnvayaSMS.php";

function messageContainsKeyword($message) {
        if (substr( strtolower($message), 0, 8 ) ===
"rescueme" ||
                substr( strtolower($message), 0, 14
) === "rescueresponse" ||
                substr( strtolower($message), 0, 12
) === "rescuereport" ||
                substr( strtolower($message), 0, 5
) === "guide" ||
                substr( strtolower($message), 0, 10
) === "validation"){
                return true;
        }
                return false;
}

function parseRescueMeMessage($message){
        //expected format: RESCUEME
<NAME>/<LOCATION>/<ADDITIONAL
INFORMATION>
        $text = substr($message, 8);
        $details = trim($text);
        $message_arr = explode('/', $details);
        $details_arr = array();
        foreach($message_arr as $parameter){
                if(strlen($param =
trim($parameter)) > 0){
                        array_push($details_arr,
$parameter);
                }
        }
        if(count($details_arr) < 2){
                return "Not enough parameters for
rescueme";
        }
        $result = mysql_query("INSERT INTO
rescue_message (contact_number, name, location,
remarks)
                VALUES('".$_POST["from"]."',
'".clean($details_arr[0])."',
'".clean($details_arr[1])."',
'".clean($details_arr[2])."')");
        if (mysql_error()){
                return mysql_error();
        }

        return "Your message has been received.
we're working on helping you.";
```

```php
}

function parseRescueResponseMessage($message){
        ///expected format: RESCUERESPONSE
<ASSIGNMENT RESPONSE>
                        //<ASSIGNMENT
RESPONSE> : "ACCEPT" || "DECLINE"
        $sender_number = $_POST["from"];
        $invalid_response = "Invalid rescue
response. Please respond with RESCUERESPONSE
<RESPONSE> <TRANSACTION CODE>, where
<RESPONSE> = ACCEPT if you accept, or <RESPONSE>
= DECLINE if you do not accept.";
        $text = substr($message, 14);
        $details = explode(" ", trim($text));

        if(!isset($details[1])){
                $reply = 'Invalid response. You did
not provide a transaction code.';
                return $reply;

        }

        $code_qry = mysql_query("SELECT * FROM
dispatch_record
                WHERE transaction_code =
'".$details[1]."' AND status = 'pending'");

        if(mysql_num_rows($code_qry) < 1){
                $reply = 'Invalid response. You did
not provide a valid transaction code.';
                return $reply;

        }

        if(strtolower($details[0]) !== "end" &&
                strtolower($details[0]) !==
"accept" &&
                strtolower($details[0]) !==
"decline"){
                return "Invalid response. Please
reply 'end' or 'accept' or 'decline' as a response.";
        }

        $response = clean(strtolower($details[0]));
        $record = mysql_fetch_array($code_qry);
        $manpower_id = $record['recipient_id'];
        $dispatch_record_id = $record['id'];
        if($response == "end"){
                $update_qry =
mysql_query("UPDATE manpower SET
                        dispatch_status =
'available',
```

```php
                current_dispatch_record_id = '-1'
                                WHERE id =
'$manpower_id'");

                $dispatch_record_qry =
mysql_query("UPDATE dispatch_record SET
                                date_ended = '".date("Y-
m-d H:i:s")."', status = 'ended'
                                WHERE id =
'$dispatch_record_id'");

                $reply = 'You have successfully
ended your dispatch assignment.';
                                return $reply;

        }

        if($response == "accept"){
                $update_qry =
mysql_query("UPDATE manpower SET
                                dispatch_status =
'deployed'
                                WHERE id =
'$manpower_id'");
                $dispatch_record_qry =
mysql_query("UPDATE dispatch_record SET
                                response = 'accept', status
= 'ongoing'
                                WHERE id =
'$dispatch_record_id'");
                $reply = "You have successfully
confirmed your participation in the dispatch
assignment.";
                                return $reply;
        }

        if($response == "decline"){
                $update_qry =
mysql_query("UPDATE manpower SET
                                dispatch_status =
'available',
                current_dispatch_record_id = '-1'
                                WHERE id =
'$manpower_id'");
                $dispatch_record_qry =
mysql_query("UPDATE dispatch_record SET
                                response = 'decline',
status = 'ended' , date_ended = '".date("Y-m-d
H:i:s")."'
                                WHERE id =
'$dispatch_record_id'");

        $reply = "You have successfully
confirmed your non-participation in the dispatch
assignment.";
                        return $reply;
        }
        return $invalid_response;
}

function parseRescueReportMessage($message){
        //expected format: RESCUEREPORT
<REPORT>
                        //<REPORT> :
<STAT>/<REPORT> || <STAT>
                        //<STAT> :
(<PARAMETER> = <VALUE>) || NULL
                        //<PARAMETER> :
"DEATH" || "AFFECTED" || "EVACUEE" ||
"PENDING" || STATUS || ACTION
                        //<VALUE> : the value of
the parameter in the report

        $sender_number = $_POST["from"];
        $text = substr($message, 13);
        $details = trim($text);

        $code = substr($details, 0, 6);

        $code_qry = mysql_query("SELECT * FROM
dispatch_record
                WHERE transaction_code = '$code'
AND status = 'ongoing'");

        if(mysql_num_rows($code_qry) < 1){
                $reply = 'Invalid response. You did
not provide a valid transaction code.';
                        return $reply;

        }

        $dispatch_record =
mysql_fetch_array($code_qry);
        $current_dispatch_id =
$dispatch_record['id'];

        $text = substr($message, 19);
        $details = trim($text);
        $message_arr = explode('/', $details);
        $statistics_arr = array();
        foreach($message_arr as $parameter){
                if(strlen($param =
trim($parameter)) > 0){

        array_push($statistics_arr, $parameter);
```

```php
                    }
            }

            $expected_format = "(<PARAMETER> =
<VALUE>) where <PARAMETER> : DEATH ||
AFFECTED || EVACUEE || PENDING || STATUS ||
ACTION";
            if(count($statistics_arr) < 1){
                    return "No reports were given.
Please reply with the expected format:
$expected_format";
            }

            $reply_message = "Your report message has
been received. With the ff details:";
            $parameter_arr = array("dead", "affected",
"evacuee", "pending", "status", "action", "request");
            for($i = 0; $i < count($statistics_arr); $i++){
                    $statistic = $statistics_arr[$i];
                    $statistic_details_arr = explode('=',
$statistic);

                    $parameter =
clean(trim($statistic_details_arr[0], "( "));
                    $lowercase_parameter =
strtolower($parameter);
                    $value =
trim($statistic_details_arr[1], ") ");
                    $clean_value = clean($value);

                    if(!isset($parameter)){
                            $reply_message =
$reply_message." Missing parameter;";

                    }
                    elseif(!isset($value)){
                            $reply_message =
$reply_message." Missing value for $parameter
parameter;";
                    }
                    elseif($lowercase_parameter ==
"dead" ||

            $lowercase_parameter == "affected" ||

            $lowercase_parameter == "evacuee" ||

            $lowercase_parameter == "pending" ||

            $lowercase_parameter == "status" ||

            $lowercase_parameter == "request" ||

            $lowercase_parameter == "action"){
                            $save_parameter_qry =
mysql_query("INSERT INTO report_data
                            (dispatch_record_id, type,
value)
                            VALUES
('$current_dispatch_id', '$lowercase_parameter',
'$clean_value')");

                            $reply_message =
$reply_message." $parameter = $value";
                    }
                    else{
                            $reply_message =
$reply_message." Invalid parameter: $parameter;";
                    }
            }
            return $reply_message;
}

function parseGuideMessage($message){
            //if GUIDE show list of keywords
            //if GUIDE RESCUEME show RESCUEME
FORMAT
            //if GUIDE RESCUERESPONSE show
RESCUERESPONSE FORMAT
            //if GUIDE RESCUEREPORT show
RESCUEREPORT FORMAT

            if(clean(strtolower($message) == "guide")){
                    return "GUIDE <KEYWORD>, where
<KEYWORD> = RESCUEME or RESCUERESPONSE or
RESCUEREPORT";
            }

            $text = substr($message, 6);
            $details = strtolower(trim($text));

            if($details == "rescueme"){
                    return "RESCUEME format:
RESCUEME <NAME>/<LOCATION>/<REMARKS>";
            }
            elseif($details == "rescueresponse"){
                    return "RESCUERESPONSE format:
RESCUERESPONSE <RESPONSE>, where <RESPONSE>
= ACCEPT or DECLINE";
            }
            elseif($details == "rescuereport"){
                    return "RESCUEREPORT format:
RESCUEREPORT <REPORT>, where <REPORT> =
(<STATISTC> = <VALUE>), <STATISTIC> = DEAD or
```

```php
AFFECTED or EVACUEE or PENDING or STATUS,
<VALUE> = the value of the parameter";
        }

        return "Guide message";
}

function parseValidation($message){
        //to validate a received message
        $text = substr($message, 11);
        $details = explode("
",strtolower(trim($text)));

        if(!isset($details[1])){

        }
        $transaction_code = $details[1];
        $validation_qry = mysql_query("SELECT *
FROM validation_request
                WHERE transaction_code =
'$transaction_code' AND response = 'pending'");

        if(mysql_num_rows($validation_qry < 1)){
                $reply = "Invalid transaction code.
Please make sure you give the correct transaction
code.";
                return $reply;
        }

        $request_validation =
mysql_fetch_array($validation_qry);
        $request_id = $request_validation['id'];
        $message_id =
$request_validation['message_id'];

        $message_qry = mysql_query("SELECT *
FROM rescue_message
                WHERE id = '$message_id'");
        $message =
mysql_fetch_array($message_qry);
        $title = $message['remarks'];

        $error_reply = "";
        if(!isset($details[1])){
                $error_reply = "No transaction
code given. Please reply with the format
VALIDATION CONFIRMED <TRANSACTION CODE> or
VALIDATION FALSE <TRANSACTION CODE> only. ";
        }

        if(!isset($details[0])){
                $error_reply = $error_reply."No
transaction code given. Please reply with the format
```
```php
VALIDATION CONFIRMED <TRANSACTION CODE> or
VALIDATION FALSE <TRANSACTION CODE> only.";
        }

        if(strlen($error_reply) > 0){
                return $error_reply;
        }

        $current_date = date("Y-m-d H:i:s");
        if($details[0] == "confirmed"){
                mysql_query("UPDATE
validation_request
                        SET response =
'confirmed', date_validated = '$current_date'
                        WHERE id =
'$request_id'");

                mysql_query("UPDATE
rescue_message
                        SET validation =
'validated', validation_response = 'confirmed'
                        WHERE id =
'$message_id'");

                $reply = "You have successfully
confirmed validation for '$title'. Thank you for your
service.";
                return $reply;
        }
        elseif($details[0] == "false"){
                mysql_query("UPDATE
validation_request
                        SET response = 'false',
date_validated = '$current_date'
                        WHERE id =
'$request_id'");

                mysql_query("UPDATE
rescue_message
                        SET validation =
'validated', validation_response = 'false'
                        WHERE id =
'$message_id'");

                $reply = "You have successfully
falsified for '$title'. Thank you for your service.";
                return $reply;
        }
        else{
                return "Invalid response. Please
reply with the format VALIDATION CONFIRMED
```

```php
        <TRANSACTION CODE> or VALIDATION FALSE
<TRANSACTION CODE> only.";
        }

        return "Validation error";
}

function parseMssage($message){
        if(substr( strtolower($message), 0, 8 ) ==
"rescueme") {
                return
parseRescueMeMessage($message);
        }
        if(substr( strtolower($message), 0, 14 ) ==
"rescueresponse"){
                return
parseRescueResponseMessage($message);
        }
        if(substr( strtolower($message), 0, 12 ) ===
"rescuereport"){
                return
parseRescueReportMessage($message);

        }
        if(substr( strtolower($message), 0, 5 ) ==
"guide") {
                return
parseGuideMessage($message);
        }
        if(substr( strtolower($message), 0, 10 ) ==
"validation") {
                return parseValidation($message);
        }
}


$request = EnvayaSMS::get_request();

header("Content-Type: {$request-
>get_response_type()}");

if (!$request->is_validated($PASSWORD))
{
   header("HTTP/1.1 403 Forbidden");
   error_log("Invalid password");
   echo $request->render_error_response("Invalid
password");
   return;
}

$action = $request->get_action();

switch ($action->type)
```

```php
{
   case EnvayaSMS::ACTION_INCOMING:
      // Send an auto-reply for each incoming
message.
        $type = strtoupper($action-
>message_type);

    error_log("Received $type from {$action-
>from}");
    error_log(" message: {$action->message}");

                $message = $action->message;
                $reply_message = "Invalid request.
No keyword was found. Please reply with GUIDE for
set of keywords.";

        if(messageContainsKeyword($message)){
                        $reply_message =
parseMssage($message);
                }

     $reply = new EnvayaSMS_OutgoingMessage();
        $reply->message = $reply_message;

     error_log("Sending reply: {$reply->message}");

     echo $request->render_response(array(
        new EnvayaSMS_Event_Send(array($reply))
     ));
     return;

  case EnvayaSMS::ACTION_OUTGOING:
    $messages = array();
    $dir = opendir($OUTGOING_DIR_NAME);
    while ($file = readdir($dir))
    {
       if (preg_match('#\.json$#', $file))
       {
          $data =
json_decode(file_get_contents("$OUTGOING_DIR_N
AME/$file"), true);
          if ($data)
          {
             $sms = new
EnvayaSMS_OutgoingMessage();
             $sms->id = $data['id'];
             $sms->to = $data['to'];
             $sms->message = $data['message'];
             $messages[] = $sms;
          }
       }
    }
    closedir($dir);
```

```php
    $events = array();

    if ($messages)
    {
        $events[] = new
EnvayaSMS_Event_Send($messages);
    }

    echo $request->render_response($events);

    return;

  case EnvayaSMS::ACTION_SEND_STATUS:

    $id = $action->id;

    error_log("message $id status: {$action-
>status}");
    if (preg_match('#^\w+$#', $id))
    {
        unlink("$OUTGOING_DIR_NAME/$id.json");
    }
    echo $request->render_response();

    return;
  case EnvayaSMS::ACTION_DEVICE_STATUS:
    error_log("device_status = {$action->status}");
    echo $request->render_response();
    return;
  case EnvayaSMS::ACTION_TEST:
    echo $request->render_response();
    return;
  default:
    header("HTTP/1.1 404 Not Found");
    echo $request->render_error_response("The
server does not support the requested action.");
    return;
}
```

B. Main folder

announcements.php

```php
<?php
echo("<h3>Announcements</h3>");
$announcements = mysql_query("SELECT * FROM
announcement ORDER BY date_posted DESC, id
DESC");
$number_of_pages =
ceil(mysql_num_rows($announcements)/10);
$page_number = 1;
if(isset($_GET['page_number'])){
```

```php
    $page_number = $_GET['page_number'];
    $skip_count = 0;
    while($skip_count < ($page_number-1)*10){
        $announcement =
mysql_fetch_array($announcements);
        $skip_count++;
    }
}

$i = 0;
while($i < 10 && $announcement =
mysql_fetch_array($announcements)){
    echo("<div id=\"line\"></div>");
    echo("<div id=\"whitespace_div\">");
    echo("<h3>".$announcement['subject']."</h3>");

$poster_qry = mysql_query("SELECT * FROM user
WHERE id = '".$announcement['poster_id']."'");
$poster = mysql_fetch_array($poster_qry);

$position_id = $poster['position_id'];
$position_qry = mysql_query("SELECT * FROM
position
    WHERE id = '".$position_id."'");
$position = mysql_fetch_array($position_qry);
        $position_label = $position['label'];

if($position['position'] == "rdrrmc"){
    $rdrrmc_region_qry = mysql_query("SELECT *
FROM rdrrmc_region
    WHERE user_id = '".$poster['id']."'");
    $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

    $region_qry = mysql_query("SELECT * FROM
region
    WHERE id = '".$rdrrmc_region['region_id']."'");
            $region =
mysql_fetch_array($region_qry);

    $region_label = $region['short_name'];
    $position_label = $region_label."
".$position_label;
}
elseif($position['position'] == "ldrrmc"){
    $ldrrmc_lgu_qry = mysql_query("SELECT * FROM
ldrrmc_lgu
    WHERE user_id = '".$poster['id']."'");
    $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

    $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
```

```php
        WHERE id = '".$ldrrmc_lgu['lgu_id']."'");
    $lgu = mysql_fetch_array($lgu_qry);

    $lgu_label = $lgu['lgu_name'];
    $position_label = $lgu_label." ".$position_label;
}

echo("posted by ".$poster['first_name']."
".$poster['last_name']." ($position_label) on
".$announcement['date_posted']."<br/>");
$attachment_qry = mysql_query("SELECT * FROM
uploaded_file WHERE announcement_id =
'".$announcement['id']."'");

if(mysql_num_rows($attachment_qry)>0){
                while($file =
mysql_fetch_array($attachment_qry)){
    if(strpos($file['file_type'], "image") === false){}
    else{
    echo("<img
src=\"user_data/".$file['file_name']."\"><br/>");
    }
}
}

if(strlen($announcement['message']) <= 300){
    echo("<br/>".$announcement['message']."<br/>
<br/>");
}
else{
    echo("<br/>".substr($announcement['message'],
0,297)."...<br/><br/>");
}
echo("<a
href=\"view_announcement.php?id=".$announceme
nt['id']."\">Show post</a>");

$attachment_qry = mysql_query("SELECT * FROM
uploaded_file
        WHERE announcement_id =
'".$announcement['id']."' AND file_type NOT LIKE
'image%'");

if(mysql_num_rows($attachment_qry)>0){
    echo("<br/>Attatchments:<br/>");
    while($file =
mysql_fetch_array($attachment_qry)){
        if(strpos($file['file_type'], "image") ===
false){
    echo("<a class=\"bullet\"
href=\"user_data/".$file['file_name']."\">".$file['file_
name']."</a><br/>");
    }
```

```php
}
}

echo("</div>");
$i++;
}

echo("<div id=\"line\"></div>");
echo("<center>");
for($i=1; $i<=$number_of_pages; $i++ ){
    $color_str = "";
    if($i == $page_number){
            $color_str = "style=\"color: #CC0000\"";
    }
    echo "<a href = \"index.php?page_number=$i\"
$color_str>$i</a> ";
}
echo("</center>");
```

append_homepage.php
```php
<?php
    require("announcements.php");
?>
```

append_login.php
```php
<?php
if(!isset($_SESSION['username']) ||
(trim($_SESSION['username']) == '')) {
    if(isset($_GET['login']) ? $_GET['login'] == "failed"
: false) {
            print $_GET['cause']."<br>";
    }

    if(isset($_GET['logout']) ? $_GET['logout'] ==
"success" : false) {
            echo "You have logged out<br>";
    }

    echo("<span>Login</span>
                <form id=\"loginForm\"
name=\"loginForm\" method = \"post\"
action=\"verify_login.php?action=login\">
                <span
class=\"info\">Username</span>
                <input class=\"intext\"
type=\"text\" name=\"username\" />
                <span
class=\"info\">Password</span>
                <input class=\"intext\"
name=\"password\" type=\"password\" />
```

```php
                        <input id=\"submit\"
name=\"Submit\" type=\"submit\" value=\"Login\"
/>
                        </form>
            ");
        }
        else{

            $str = $_SESSION['username'];

            //links

            echo ("
                        You are logged in as<br/>
                        $str<br/>
            ");
        if($_SESSION['position'] == 'admin'){
            echo("<a
href=\"manage_users.php\">Manage Users</a>");
        }
        if($_SESSION['position'] == 'ndrrmc'){
            echo("<a
href=\"view_message_query.php\">View Civilian
Messages</a>");
            echo("<a href = \"messages.php\">Manage
Messages</a>");
            echo("<a href =
\"manage_events.php\">Manage Events</a>");
            echo("<a
href=\"manage_resource_requests.php\">Manage
Resource Requests</a>");
            echo("<a
href=\"manage_state_of_calamity.php\">Manage
State of Calamity</a>");
            echo("<a
href=\"manage_reports.php\">Manage
Reports</a>");
        }
        if($_SESSION['position'] == 'rdrrmc'){
            echo("<a
href=\"view_message_query.php\">View Civilian
Messages</a>");
            echo("<a href = \"messages.php\">Manage
Messages</a>");
            echo("<a href =
\"manage_events.php\">Manage Events</a>");
            echo("<a
href=\"manage_resource_requests.php\">Manage
Resource Requests</a>");
            echo("<a
href=\"manage_state_of_calamity.php\">Manage
State of Calamity</a>");

            echo("<a
href=\"manage_reports.php\">Manage
Reports</a>");
        }
        if($_SESSION['position'] == 'ldrrmc'){
            echo("<a
href=\"view_message_query.php\">View Civilian
Messages</a>");
            echo("<a href = \"messages.php\">Manage
Messages</a>");
            echo("<a href = \"manage_events.php\">Manage
Events</a>");
            echo("<a
href=\"manage_resource_requests.php\">Manage
Resource Requests</a>");
            echo("<a
href=\"manage_manpower.php\">Manage
Manpower</a>");
            echo("<a href=\"manage_reports.php\">Manage
Reports</a>");
        }
        if($_SESSION['position'] == 'op'){
            echo("<a href=\"manage_reports.php\">Manage
Reports</a>");
            echo("<a
href=\"manage_state_of_calamity.php\">Manage
State of Calamity</a>");
        }
        if($_SESSION['position'] == 'pcoo'){
            echo("<a href=\"manage_reports.php\">Manage
Reports</a>");
            echo("<a
href=\"create_announcement.php\">Create
Announcement</a>");
        }
        if($_SESSION['position'] == 'dotc'){
            echo("<a href=\"manage_reports.php\">Manage
Reports</a>");
            echo("<a
href=\"create_announcement.php\">Create
Announcement</a>");
        }
        if($_SESSION['position'] == 'dnd'){
            echo("<a
href=\"manage_resource_requests.php\">Manage
Resource Requests</a>");
            echo("<a
href=\"manage_manpower.php\">Manage
Manpower</a>");
            echo("<a
href=\"manage_manpower_dispatch.php\">Dispatc
h Manpower</a>");
```

```php
    echo("<a
href=\"select_message_recipients.php\">Message
Manpower</a>");
}
if($_SESSION['position'] == 'prc'){
    echo("<a
href=\"manage_resource_requests.php\">Manage
Resource Requests</a>");
    echo("<a
href=\"manage_manpower.php\">Manage
Manpower</a>");
    echo("<a
href=\"manage_manpower_dispatch.php\">Dispatc
h Manpower</a>");
    echo("<a
href=\"select_message_recipients.php\">Message
Manpower</a>");
}
echo("<form id=\"logoutForm\"
name=\"logoutForm\" method = \"post\"
action=\"logout.php\" >
    <input id=\"submit\" type=\"submit\" name =
\"Log-out\" value=\"Log-out\" />
    </form>");
}

?>
```

associacate_message_to_event.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>

    Associate Messages with an Event<br/>
    <div id="line"></div>

<?php
    if(!isset($_POST['message_id'])){
        echo "No messages were chosen.<br/>";
        require("footer.php");
        exit;
    }
```

```php
    if(isset($_POST['message_id'])){
        $message_id_arr = $_POST['message_id'];
    }

    $id_str = implode($message_id_arr, ",");
    $messages_qry = mysql_query("SELECT * FROM
rescue_message
        WHERE id IN ($id_str)");
?>
    Messages you have chosen:<br/><br/>

<?php
    echo "<table>";
        echo "<tr>";
        echo "<td>";
            echo "Name";
        echo "</td>";
        echo "<td>";
            echo "Location";
        echo "</td>";
        echo "<td>";
            echo "Remarks";
        echo "</td>";
        echo "<td>";
            echo "Date Sent";
        echo "</td>";
        echo "<tr>";

        while($message =
mysql_fetch_array($messages_qry)){
        echo "<tr>";
        echo "<td>";
            echo $message['name'];
        echo "</td>";
        echo "<td>";
            echo $message['location'];
        echo "</td>";
        echo "<td>";
            echo $message['remarks'];
        echo "</td>";
        echo "<td>";
            echo $message['date_received'];
        echo "</td>";
        echo "<tr>";
        }
        echo "</table><br/>";
?>
    <form
action="create_event_message_association.php"
method="post">
    Choose the event you want to associate the
messages with:<br/>
        <select name="event_id">
```

```php
<?php
        $where_str = "";
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $where_str = "WHERE location =
'lgu;".$ldrrmc_lgu['lgu_id']."'";
    }
    if($_SESSION['position'] == "rdrrmc"){
        $rdrrmc_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
        }
        $lgu_str = " , ".implode(", ", $lgu_id_arr);
        $where_str = "WHERE location IN
('region;".$rdrrmc_region['region_id']."'"$lgu_str)";
    }

        $events_qry = mysql_query("SELECT *
FROM event
        $where_str ORDER BY date_started DESC");

                while($event =
mysql_fetch_array($events_qry)){
                        echo("<option
value=\"".$event['id']."\">".$event['title']." started
on ".$event['date_started']."</option>");

                }
                ?>
        </select><br/><br/>
<?php
    $messages_qry = mysql_query("SELECT * FROM
rescue_message
        WHERE id IN ($id_str)");
```

```php
    while($message =
mysql_fetch_array($messages_qry)){
        echo "<input type=\"hidden\"
name=\"message_id[]\"
value=\"".$message['id']."\">";
    }
?>
        <input type="SUBMIT" value="Submit" />
    </form>
<?php

    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
    echo("<br/><br/>");
    require("footer.php");
?>
```

authenticator_functions.php

```php
<?php
    require("connect_to_db.php");
    function authenticatePosition($userId,
$positionRequired) {
        $user_qry = mysql_query("SELECT * FROM
user
                WHERE id = '$userId'");
        $user = mysql_fetch_array($user_qry);

        $position_qry = mysql_query("SELECT *
FROM position
                WHERE position =
'$positionRequired'");
        $position =
mysql_fetch_array($position_qry);

        if($user['position_id'] == $position['id'] &&
$user['status'] == 'activated'){
                return true;
        }
        return false;
    }

?>
```

clean.php

```php
<?php
    require("connect_to_db.php");
    function clean($str) {
    $str = @trim($str);
```

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```php
    if(get_magic_quotes_gpc()) {
        $str = stripslashes($str);
    }
    return mysql_real_escape_string($str);
  }

  function cleanArr($arr) {
  foreach($arr as $str){
        $str = @trim($str);
        if(get_magic_quotes_gpc()) {
        $str = stripslashes($str);
  }
  $str = mysql_real_escape_string($str);
        $newarr[] = $str;
  }

  return $newarr;
  }
?>
```

connect_to_db.php

```php
<?php

$conn = mysql_connect("localhost","root", "") or
die(mysql_error());
$db = mysql_select_db("dmcs");
```

create_announcement.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");
    require("clean.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id,'pcoo') &&
!authenticatePosition($user_id,'dotc') &&
!authenticatePosition($user_id,'ndrrmc') &&
!authenticatePosition($user_id,'rdrrmc') &&
!authenticatePosition($user_id,'ldrrmc') &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>

    Create announcement<br/>
    <div id="line"></div>
```

```php
    <form action="post_announcement.php"
method="POST" enctype="multipart/form-data">
<?php
    if(isset($_POST['report_title'])){
    echo '<input type="hidden" name="report_title"
value = "'.$_POST['report_title'].'">';
    }
    if(isset($_POST['report_id'])){
    echo '<input type="hidden" name="report_id"
value = "'.$_POST['report_id'].'">';
    }
?>
Subject: <input type = "text" name = "subject"
<?php
    if(isset($_POST['pure_title'])){
        $filename_arr = explode(".",
$_POST['pure_title']);
        echo 'value = "'.$filename_arr[0].'" ';
    }
    if(isset($_POST['subject'])){
        echo 'value = "'.$_POST['subject'].'" ';
    }
?>
size = "40" ><br/>
<?php
if(isset($_POST['report_location'])){
    echo "<input type=\"hidden\"
name=\"report_location\"
value=\"".$_POST['report_location']."\">";
    echo "File: ".$_POST['report_title']."<br/>";
}
else{
    echo "Attach File: <input type=\"file\"
name=\"files[]\" multiple/>";
}
?>
<textarea name = "message" rows="20" cols="50"
required = "required" text-align = "left"><?php
if(isset($_POST['message'])){ echo
$_POST['message']; } ?></textarea><br/>
<input type="SUBMIT" name = "SUBMIT"
value="Post" />
</form>

<?php
    require("footer.php");
?>
```

create_event_message_association.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");
```

```php
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>

    Associate Messages with an Event<br/>
    <div id="line"></div>

<?php
    if(!isset($_POST['message_id'])){
        echo "No messages were chosen.<br/>";
        require("footer.php");
        exit;
    }

    if(!isset($_POST['event_id'])){
        echo "No event was chosen.<br/>";
        require("footer.php");
        exit;
    }

    if(isset($_POST['message_id'])){
        $message_id_arr = $_POST['message_id'];
    }
    $id_str = implode($message_id_arr, ",");
    $messages_qry = mysql_query("SELECT * FROM
rescue_message
        WHERE id IN ($id_str)");

    if(isset($_POST['event_id'])){
        $event_id = $_POST['event_id'];
    }

    $event_qry = mysql_query("SELECT * FROM
event
        WHERE id ='$event_id'");
    $event = mysql_fetch_array($event_qry);

    foreach($message_id_arr as $message_id){
        mysql_query("UPDATE rescue_message
            SET event_id = '$event_id'
            WHERE id = '$message_id'");
        if(mysql_error()){
            echo mysql_error();
        }
    }
?>
    Event: <?php echo $event['title']; ?><br/><br/>
```

You have successfully associated the following
messages to the event:


```php
<?php
    echo "<table>";
        echo "<tr>";
        echo "<td>";
                echo "Name";
        echo "</td>";
        echo "<td>";
                echo "Location";
        echo "</td>";
        echo "<td>";
                echo "Remarks";
        echo "</td>";
        echo "<td>";
                echo "Date Sent";
        echo "</td>";
        echo "<tr>";

        while($message =
mysql_fetch_array($messages_qry)){
        echo "<tr>";
        echo "<td>";
                echo $message['name'];
        echo "</td>";
        echo "<td>";
                echo $message['location'];
        echo "</td>";
        echo "<td>";
                echo $message['remarks'];
        echo "</td>";
        echo "<td>";
                echo $message['date_received'];
        echo "</td>";
        echo "<tr>";
        }
        echo "</table><br/>";

    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
    echo("<br/><br/>");

    require("footer.php");
?>
```

create_message.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");
```

```php
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>
    Create New Message <br/>

    <form action="send_message.php"
method="POST">
        <table>
        <tr>
                <td>
                To:
                </td>
                <td>
                <input type = "text" name =
"recipients" size = "55" required = "required"><br/>
                </td>
        </tr>
        <tr>
                <td>
                Subject:
                </td>
                <td>
                <input type = "text" name =
"subject" size = "55" ><br/>
                </td>
        </tr>
        </table>
        <textarea name = "message" rows="20"
cols="50" required = "required" text-align =
"left"></textarea><br/>
        <input type="SUBMIT" name = "SUBMIT"
value="Send" />
    </form>

<?php
    require("footer.php");
?>
```

create_new_event.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
```

```php
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>
    Create New Message <br/>

    <form action="send_message.php"
method="POST">
        <table>
        <tr>
                <td>
                To:
                </td>
                <td>
                <input type = "text" name =
"recipients" size = "55" required = "required"><br/>
                </td>
        </tr>
        <tr>
                <td>
                Subject:
                </td>
                <td>
                <input type = "text" name =
"subject" size = "55" ><br/>
                </td>
        </tr>
        </table>
        <textarea name = "message" rows="20"
cols="50" required = "required" text-align =
"left"></textarea><br/>
        <input type="SUBMIT" name = "SUBMIT"
value="Send" />
    </form>

<?php
    require("footer.php");
?>
```

create_new_report.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
```

```
        exit;
    }
?>

    <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.0/themes/bas
e/jquery-ui.css" />
    <script src="http://code.jquery.com/jquery-
1.8.3.js"></script>
    <script
src="http://code.jquery.com/ui/1.10.0/jquery-
ui.js"></script>
    <link rel="stylesheet"
href="/resources/demos/style.css" />

    <script type="text/javascript">
        $(function() {
            $( "#start_date" ).datepicker({
              dateFormat: 'yy-mm-dd',
              changeMonth: true,
              changeYear: true,
              numberOfMonths: 2,
              onClose: function( selectedDate )
{
                    $( "#end_date"
).datepicker( "option", "minDate", selectedDate );
                }
            });
            $( "#end_date" ).datepicker({
              dateFormat: 'yy-mm-dd',
              changeMonth: true,
              changeYear: true,
              numberOfMonths: 2,
              onClose: function( selectedDate )
{
                    $( "#start_date"
).datepicker( "option", "maxDate", selectedDate );
                }
            });
        });
    </script>
    Create DMCS Report
    <div id="line"></div>
    Create a new report using data from the
following time period:<br/>
    <form action="show_report_data.php"
method="POST">
        Date:
        <input readonly value = "<?php echo
date("Y-m-d", strtotime("-1 month") );?>"
type="text" name="start_date" id="start_date"
class="date_pick" />
        to
```

```
        <input readonly value = "<?php echo
date('Y-m-d'); ?>"  type="text" name="end_date"
id="end_date" class="date_pick" /><br/>

        Location:
        <select name="location" id="location">
            <?php
                if($_SESSION['position']
== 'ndrrmc'){
                        $default_value =
"all";

    $region_where_str = "";
                        $lgu_where_str =
"";
                }
                if($_SESSION['position']
== 'rdrrmc'){
                        $rdrrmc_qry =
mysql_query("SELECT * FROM rdrrmc_region
WHERE user_id = '".$_SESSION['user_id']."'");
                        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

                        $default_value =
"region;".$rdrrmc_region['region_id'];

    $region_where_str = "WHERE id =
'".$rdrrmc_region['region_id']."'";
                        $lgu_where_str =
"";
                }
                if($_SESSION['position']
== 'ldrrmc'){
                        $ldrrmc_qry =
mysql_query("SELECT * FROM ldrrmc_lgu WHERE
user_id = '".$_SESSION['user_id']."'");
                        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);

                        $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
                        $lgu =
mysql_fetch_array($lgu_qry);

                        $default_value =
"lgu;".$lgu['id'];

    $region_where_str = "WHERE id =
'".$lgu['region_id']."'";
```

```php
                                        $lgu_where_str =
"AND id = '".$lgu['id']."' ";
                                    }


                                echo("<option
value=\"$default_value\">Choose location
(optional)</option>");

                                $region_qry =
mysql_query("SELECT * FROM region
$region_where_str");
                                while($region =
mysql_fetch_array($region_qry)){

    if($_SESSION['position'] == 'ndrrmc' ||
$_SESSION['position'] == 'rdrrmc'){

    echo("<option
value=\"region;".$region['id']."\">".$region['short_n
ame']." - ".$region['region_name']."</option>");
                                    }
                                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE region_id =
'".$region['id']."' $lgu_where_str ORDER BY
lgu_name");
                                while($lgu =
mysql_fetch_array($lgu_qry)){

    echo("<option
value=\"lgu;".$lgu['id']."\">  ".$lgu['lgu_
name']."</option>");
                                    }
                                }
                    ?>
        </select><br/><br/>

        <input type="reset" value="Reset">
        <input type="SUBMIT" name = "SUBMIT"
value="Retrieve Data" />
        <br/>
    </form>
    <div id="line"></div>
    Create a report using data from an event:<br/>
    <form action="show_report_data.php"
method="POST">
<?php
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_lgu_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE
                    user_id =
'".$_SESSION['user_id']."'");
```

```php
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);
        $event_qry = mysql_query("SELECT * FROM
event WHERE
            location =
'lgu;".$ldrrmc_lgu['lgu_id']."'");
    }
    elseif($_SESSION['position'] == "rdrrmc"){
        $rdrrmc_region_qry = mysql_query("SELECT
* FROM rdrrmc_region WHERE
            user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
            WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
            array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
        }
        $lgu_str = " , ".implode(", ", $lgu_id_arr);
        $event_qry = mysql_query("SELECT * FROM
event WHERE
            location IN
('region;".$rdrrmc_region['region_id']."'$lgu_str)");
    }
    else{
        $event_qry = mysql_query("SELECT * FROM
event");
    }

    echo("<select name = \"event_id\" required =
\"required\">");
    while($event = mysql_fetch_array($event_qry)){
        echo "<option value=\"".$event['id']."\">";
        echo $event['title'];
        echo "</option>";
    }
    echo " </select><br/><br/>";
?>
        <input type="reset" value="Reset">
        <input type="SUBMIT" name = "SUBMIT"
value="Retrieve Data" />
        <br/>
    </form>

<?php
    require("footer.php");
```

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```php
?>
```

create_new_user.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'admin')){
        require("view_notice.php");
        exit;
    }

    $errmsg_arr = array();
    $errflag = false;

    $UNAME = clean($_POST['UNAME']);
    $PASS = clean($_POST['PASS']);
    $FNAME = clean($_POST['FNAME']);
    $LNAME = clean($_POST['LNAME']);
    $POSITION = clean($_POST['POSITION']);

    if($UNAME == '') {
      $errmsg_arr[] = 'User name missing';
        $errflag = true;
    }
    if($PASS == '') {
        $errmsg_arr[] = 'Password missing';
        $errflag = true;
    }
    if($FNAME == '') {
        $errmsg_arr[] = 'First name missing';
        $errflag = true;
    }
    if($LNAME == '') {
        $errmsg_arr[] = 'Last name missing';
      $errflag = true;
    }
    if($POSITION == '') {
      $errmsg_arr[] = 'Position missing';
        $errflag = true;
    }

    if($POSITION == 'rdrrmc'){
        $region_id = $_POST['region'];
        if($region_id == '') {
                $errmsg_arr[] = 'Region missing';
                $errflag = true;
        }
        else{
```

```php
            $region_qry =
mysql_query("SELECT * FROM region WHERE id =
'$region_id'");
            $region =
mysql_fetch_array($region_qry);
        }
    }
    if($POSITION == 'ldrrmc'){
        $lgu_id = $_POST['lgu'];
        if($lgu_id == '') {
                $errmsg_arr[] = 'Local government
unit missing';
                $errflag = true;
        }
        else{
                $lgu_qry = mysql_query("SELECT *
FROM local_government_unit WHERE id =
'$lgu_id'");
                $lgu =
mysql_fetch_array($lgu_qry);
        }
    }

    $username_query = mysql_query("SELECT *
FROM user WHERE username = '$UNAME'");
    if(mysql_num_rows($username_query) > 1) {
        $errmsg_arr[] = 'Username already taken';
        $errflag = true;
    }

    if($errflag) {
        $_SESSION['ERRMSG_ARR'] = $errmsg_arr;
        print "You have input errors. These are:";
        print "<BR><UL>";
        for ($i=0; $i<sizeof($errmsg_arr); $i++) {
      print "<LI>$errmsg_arr[$i]";
        }
    print "</UL>";
        print "<a
href=input_user_details.php>Back</a>";
        require("footer.php");
      exit();
    }

    echo "You entered the following information:";
    echo "<BR>Username = $UNAME";
    echo "<BR>Password = $PASS";
    echo "<BR>First Name = $FNAME";
    echo "<BR>Last Name = $LNAME";
    echo "<BR>Position = $POSITION";
    if($POSITION == 'rdrrmc'){
        echo "<BR>Region =
".$region['region_name'];
```

```php
    }
    if($POSITION == 'ldrrmc'){
        echo "<BR>Local government unit =
".$lgu['lgu_name'];
    }

    $position_qry = mysql_query("SELECT * FROM
position WHERE position = '$POSITION'");
    $position = mysql_fetch_array($position_qry);
    $result = mysql_query("INSERT INTO user
(username, password, first_name, last_name,
position_id)
        VALUES('$UNAME', '$PASS', '$FNAME',
'$LNAME', '".$position['id']."')");

    $new_user_qry = mysql_query("SELECT * FROM
user WHERE username = '$UNAME' AND
password='$PASS' AND first_name='$FNAME' AND
last_name='$LNAME' AND
position_id='".$position['id']."'");
    $new_user =
mysql_fetch_array($new_user_qry);
    $new_user_id = $new_user['id'];

    if($POSITION == 'rdrrmc'){
        $result = mysql_query("INSERT INTO
rdrrmc_region (user_id, region_id)
        VALUES('$new_user_id',
'".$region['id']."')");
    }
    if($POSITION == 'ldrrmc'){
        $result = mysql_query("INSERT INTO
ldrrmc_lgu (user_id, lgu_id)
        VALUES('$new_user_id', '".$lgu['id']."')");
    }

    if (mysql_error()){
        echo ("<br>An error has occured:<br>");
        echo (mysql_error()."<br>");
    }
    else{
      print ("<BR><BR>Account Successfully
Created!<BR>");
    }

    require("footer.php");
?>
```

create_resource_request.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
```

```php
    require("clean.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    $errmsg_arr = array();
  $errflag = false;

    $event_id = clean($_POST['event_id']);
    $requester_id = clean($_POST['requester_id']);
    $resource = clean($_POST['resource']);
    $quantity = clean($_POST['quantity']);
    $recipient_id = clean($_POST['recipient']);
    $remarks = clean($_POST['remarks']);

  if($requester_id == '') {
    $errmsg_arr[] = 'Requester ID missing';
        $errflag = true;
  }
   if($resource == '') {
        $errmsg_arr[] = 'Resource type missing';
        $errflag = true;
  }
   if($quantity == '') {
        $errmsg_arr[] = 'Resource quantity missing';
        $errflag = true;
   }
  if($recipient_id == '') {
        $errmsg_arr[] = 'No recipient chosen';
     $errflag = true;
   }

?>
    Create Resource Request
    <div id="line"></div>

<?php
    if($errflag) {
        $_SESSION['ERRMSG_ARR'] = $errmsg_arr;
        print "You have input errors. These are:";
        print "<BR><UL>";
        for ($i=0; $i<sizeof($errmsg_arr); $i++) {
      print "<LI>$errmsg_arr[$i]";
        }
     print "</UL>";
        print "<a
href=input_request_details.php>Back</a>";
```

```php
        require("footer.php");
      exit();
   }

   $result = mysql_query("INSERT INTO
resource_request
         (requester_id, resource, quantity,
recipient_id, remarks, event_id)
         VALUES('".$requester_id."', '".$resource."',
'".$quantity."', '".$recipient_id."', '".$remarks."',
'$event_id')");

   if(mysql_error()){
         echo "There has been an sql error:<br/>";
         echo mysql_error();
         require("footer.php");
         exit;
   }

   $recipient_qry = mysql_query("SELECT * FROM
user
         WHERE id = '".$recipient_id."'");
   $recipient = mysql_fetch_array($recipient_qry);

   $event_qry = mysql_query("SELECT * FROM
event
         WHERE id = '".$event_id."'");
   $event = mysql_fetch_array($event_qry);
   $event_title = $event['title'];
   echo "You've sent a request with the following
details:<br/><br/>";
   echo "Event: $event_title<br/>";
   echo "Resource: $resource<br/>";
   echo "Quantity: $quantity<br/>";
   echo "Recipient: ".$recipient['first_name']."
".$recipient['last_name']."<br/>";
   echo "Remarks:<br/>";
   echo $remarks."<br/>";
   echo "<br/><br/>";
   echo "<form method=\"post\"
action=\"input_request_details.php\">";
   echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\"/>";
   echo "<input type=\"submit\" value=\"Create
another resource request\"/><br/><br/>";
   echo "</form>";

   echo "<form method=\"post\"
action=\"manage_resource_requests.php\">";
   echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\"/>";
   echo "<input type=\"submit\" value=\"View this
event's resource requests\"/><br/><br/>";
```

```php
   echo "</form>";

?>

<?php
   require("footer.php");
?>
```

create_validation_request.php

```php
<?php
   require("header.php");
   require("connect_to_db.php");
   require("authenticator_functions.php");

   $position = $_SESSION['position'];
  $user_id = $_SESSION['user_id'];
   if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
         require("view_notice.php");
         exit;
   }

   $where_condition = "WHERE organization =
'ldrrmc'";
   if($position == 'ldrrmc'){
         $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE user_id =
'".$_SESSION['user_id']."'");
         $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
         $lgu_id = $ldrrmc_lgu['lgu_id'];

         $where_condition = $where_condition."
AND location = '$lgu_id'";
   }

   if(isset($_POST['message_id'])){
         $message_id = $_POST['message_id'];
   }
   if(isset($_POST['manpower_id'])){
         $manpower_id_arr =
$_POST['manpower_id'];
   }

   $id_str = implode($manpower_id_arr, ",");

   $message_qry = mysql_query("SELECT * FROM
rescue_message
         WHERE id = '$message_id'");
   $message =   mysql_fetch_array($message_qry);
```

```php
    $manpower_qry = mysql_query("SELECT * FROM
manpower
        WHERE id IN ($id_str)
        ORDER BY (SELECT lgu_name FROM
local_government_unit WHERE
local_government_unit.id = manpower.location),
last_name ASC");
    $name_arr = array();
    while($manpower =
mysql_fetch_array($manpower_qry)){
        array_push($name_arr,
$manpower['last_name'].",
".$manpower['first_name']."<".$manpower['contact
_number'].">");
    }
    $name_str = implode($name_arr, ";");
?>

    Create Message Validation Request
    <div id="line"></div>
    Selected message
    <?php
        echo "from: ".$message['name']."<br/>";
        echo "Remarks:<br/>";
        echo $message['remarks'];
        echo "<br/><br/>";
        echo "Chosen manpower:<br/>";
        echo $name_str;
        echo "<form method = \"post\"
action=\"send_validation_request.php\"><br/>";
        echo "Message:<br/>";
        echo "<textarea name = \"message\"
rows=\"20\" cols=\"50\" required = \"required\"
text-align = \"left\">Please validate:
'".$message['remarks']."' at ".$message['location'].".
Reply with VALIDATION CONFIRMED <TRANSACTION
CODE> if it is true or VALIDATION FALSE
<TRANSACTION CODE> if it is not.</textarea><br/>";

    echo "<input type=\"hidden\"
name=\"message_id\" value=\"$message_id\">";
    foreach($manpower_id_arr as $id){
        echo "<input type=\"hidden\"
name=\"manpower_id[]\" value=\"$id\">";

    }
    echo "<br/><input type=\"submit\"
value=\"Create Request\" />";
    echo "</form>";
    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
```

```php
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
    echo("<br/><br/>");
    require("footer.php");
?>
```

dispatch_manpower.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }
?>

    Dispatch personnel<br/>
    <div id="line"></div>

    <form
action="process_personnel_registration.php"
method="POST">
    Message:<textarea name = "message" rows="20"
cols="50" required = "required" text-align =
"left"></textarea><br/>
    <input type="SUBMIT" name = "SUBMIT"
value="Send" />

    <input type="hidden" name="organization"
value="<?php echo($_SESSION['position']);
?>"><br/>

    <button name="action" type="submit"
value="register" />Register
    </form>

<?php
    require("footer.php");
?>
```

disregard_message.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("authenticator_functions.php");
```

```php
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
        require("header.php");
        require("view_notice.php");
        exit;
    }

    if(isset($_POST['message_id'])) {
      $message_id_arr = $_POST['message_id'];
      foreach($message_id_arr as $id ){
        mysql_query("UPDATE rescue_message
        SET view_option = 'disregard'
        WHERE id= '$id'");
      }
      header('Location: view_message_query.php');
    }
?>
```

edit_manpower.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

    if(!isset($_POST['edit_id']) &&
!isset($_GET['edit_id'])){
        echo("No manpower was chosen.<br/>");
        echo("<a
href=\"index.php\">Home</a><br/>");
        require("footer.php");
        exit;
    }

    if(!isset($_POST['edit_id'])){
        $edit_id =
mysql_real_escape_string($_GET['edit_id']);
    }
    else{
        $edit_id =
mysql_real_escape_string($_POST['edit_id']);
    }
```

```php
    $manpower_qry = mysql_query("SELECT * FROM
manpower WHERE id = '$edit_id'");
    $manpower_data =
mysql_fetch_array($manpower_qry);
    $lgu_id = $manpower_data['location'];

    $lgu_qry = mysql_query("SELECT * FROM
local_government_unit ORDER BY lgu_name ASC");

?>

    Edit manpower details<br/>
    <div id="line"></div>

    <form action="update_manpower.php"
method="POST">
    <input type = "hidden" name = "id" required =
"required" value = '<?php echo $edit_id; ?>'>
    <table>
        <tr>
            <td>
                    First Name:
            </td>
            <td>
                    <input type = "text" name
= "first_name" size = "40" maxlength = "100"
required = "required" value="<?php
                    echo
$manpower_data['first_name'];
                    ?>">
            </td>
        </tr>
        <tr>
            <td>
                    Last Name:
            </td>
            <td>
                    <input type = "text" name
= "last_name" size = "40" maxlength = "100"
required = "required" value="<?php
                    echo
$manpower_data['last_name'];
                    ?>">
            </td>
        </tr>
        <tr>
            <td>
                    Contact number:
            </td>
            <td>
                    <input type = "text" name
= "contact_number" size = "40" maxlength = "13"
required = "required" value="<?php
```

```php
                    echo
$manpower_data['contact_number'];
                    ?>">
                </td>
        </tr>
    </table>

    <input type="hidden" name="organization"
value="<?php echo($_SESSION['position']);
?>"><br/>

    <button name="action" type="submit"
value="update" />Save Changes
    </form>

<?php
    require("footer.php");
?>
```

edit_state_of_calamity.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'op')  &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc')){
        require("view_notice.php");
        exit;
    }

?>

    Edit state of calamity<br/>
    <div id="line"></div>

    <?php
        if(count($_POST['lgu']) < 1){
                echo("No units were selected");
                require("footer.php");
                exit;
        }

        $lgu_id_arr = array();
        $lgu_names_arr = array();
        foreach ($_POST['lgu'] as $lgu_id){
                $lgu_qry = mysql_query("SELECT *
FROM local_government_unit WHERE id =
'$lgu_id'");
```

```php
                $lgu =
mysql_fetch_array($lgu_qry);
                array_push($lgu_id_arr, $lgu_id);

                array_push($lgu_names_arr,
$lgu['lgu_name']);
        }
        $lgu_str = implode(", ", $lgu_names_arr);

        if($_POST['action'] == 'declare'){
                $subject = "State of Calamity
declared at $lgu_str";
                $message = "State of calamity has
been declared at $lgu_str as of ".
                date_format(date_create(),'Y-m-d
H:i:s').".";
                $action_value = "declare";
                $button_text = "Declare state of
calamity";
        }
        if($_POST['action'] == 'remove'){
                $subject = "State of Calamity at
$lgu_str has been removed";
                $message = "State of calamity has
been removed at $lgu_str as of ".
                date_format(date_create(),'Y-m-d
H:i:s').".";
                $action_value = "remove";
                $button_text = "Remove state of
calamity";
        }
    ?>
    <form action="process_state.php"
method="POST" enctype="multipart/form-data">
        <?php
                foreach($lgu_id_arr as $lgu_id){
                        echo '<input
type="hidden" name="lgu[]" value="'. $lgu_id. '"\>';
                }
        ?>
        Subject: <input type = "text" name =
"subject" size = "40" maxlength = "100"
        value="<?php
                echo $subject;
        ?>"><br/>
        <input type="file" name="files[]" multiple/>
        <textarea name = "message" rows="20"
cols="50" required = "required" text-align =
"left"><?php
                echo $message;
        ?></textarea><br/>
        <button type="SUBMIT" name = "action"
value="<?php echo $action_value; ?>" />
```

```php
                    <?php echo $button_text; ?>
        </form>


<?php
    require("footer.php");
?>
```

edit_user.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'admin')){
            require("view_notice.php");
            exit;
    }

    if(!isset($_POST['edit_id']) &&
!isset($_GET['edit_id'])){
            echo("No user was chosen.<br/>");
            echo("<a
href=\"index.php\">Home</a><br/>");
            require("footer.php");
            exit;
    }

    if(!isset($_POST['edit_id'])){
            $edit_id =
mysql_real_escape_string($_GET['edit_id']);
    }
    else{
            $edit_id =
mysql_real_escape_string($_POST['edit_id']);
    }

    $user_query = mysql_query("SELECT * FROM
user WHERE id = '$edit_id'");
    $user_data = mysql_fetch_array($user_query);

?>

    Edit User Account<br/>
    <div id="line"></div>

  <form action="update_user.php"
method="POST">
    <input type = "hidden" id = "inputForms" name =
"ID" required = "required" value = '<?php echo
$user_data['id']; ?>'>
```

```php
        <table>
            <tr>
                    <td>
                            Username:
                    </td>
                    <td>
                            <input type = "text" id =
"inputForms" name = "UNAME" size = "20"
maxlength = "20" required = "required" value =
'<?php echo $user_data['username']; ?>'>
                    </td>
            </tr>
            <tr>
                    <td>
                            Password:
                    </td>
                    <td>
                            <input type = "password"
id = "inputForms" name = "PASS" size = "20"
maxlength = "18" required = "required" value =
'<?php echo $user_data['password']; ?>'>
                    </td>
            </tr>
            <tr>
                    <td>
                            Last Name:
                    </td>
                    <td>
                            <input type = "text" id =
"formFillCell" name = "LNAME" required =
"required" value = '<?php echo
$user_data['last_name']; ?>'>
                    </td>
            </tr>
            <tr>
                    <td>
                            First Name:
                    </td>
                    <td>
                            <input type = "text" id =
"formFillCell" name = "FNAME" required =
"required" value = '<?php echo
$user_data['first_name']; ?>'>
                    </td>
            </tr>
    </table><br/>

    <input name="SUBMIT" type="SUBMIT"
id="ADD" value="Save Changes"><br/>
  </form>

<script type="text/javascript">
```

```javascript
$(document).ready(function() {
    var val_str = $("select option:selected").val();
    $("#region_row").hide();
    $("#lgu_row").hide();
    if(val_str === "rdrrmc"){
        $("#region_row").show();
    }
    if(val_str === "ldrrmc"){
        $("#lgu_row").show();
    }
});


$('#position').change(function () {
 var val_str = $("select option:selected").val();
 if(val_str === "rdrrmc"){
                if( $('#lgu_row').is(':visible') ){
                        $("#lgu_row").hide();
                }
                $("#region_row").show();
        }
     else if(val_str === "ldrrmc"){
                if( $('#region_row').is(':visible') ){
                        $("#region_row").hide();
                }
                $("#lgu_row").show();
        }
        else{
                if( $('#lgu_row').is(':visible') ){
                        $("#lgu_row").hide();
                }
                if( $('#region_row').is(':visible') ){
                        $("#region_row").hide();
                }
        }

})
.change();
</script>
```

```php
<?php
    require("footer.php");
?>
```

filter_report.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");
    require("clean.php");

    $user_id = $_SESSION['user_id'];
```

```php
    if(!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
            require("view_notice.php");
            exit;
    }


    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
            $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                    WHERE region_id =
'".$location_arr[1]."'");
            while($lgu = mysql_fetch_array($lgu_qry)){
                    array_push($location_labels,
$lgu['lgu_name']);
            }
            return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
            $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                    WHERE id = '".$location_arr[1]."'");
            while($lgu = mysql_fetch_array($lgu_qry)){
                    array_push($location_labels,
$lgu['lgu_name']);
            }
            return " <br/>from: ".implode(",
",$location_labels);
    }
    else{
            return " from all regions";
    }
    }
    if(isset($_POST['report_id'])){

            $report_id = $_POST['report_id'];
            $report_qry = mysql_query("SELECT *
FROM report_record
                    WHERE id = '$report_id'");
            $report = mysql_fetch_array($report_qry);
            $title = $report['title'];

            $header_label = "for ".$report['title']."
report";
            $overview_qry = mysql_query("SELECT *
FROM report_detail
                    WHERE report_id = '$report_id'
AND category = 'overview'
```

```php
                ORDER BY sequence_id");

        $description_arr = array();
        while($overview =
mysql_fetch_array($overview_qry)){
                array_push($description_arr,
$overview['text']);
        }

        $action_qry = mysql_query("SELECT *
FROM report_detail
                WHERE report_id = '$report_id'
AND category = 'action'
                ORDER BY sequence_id");

        $action_arr = array();
        while($action =
mysql_fetch_array($action_qry)){
                array_push($action_arr,
$action['text']);
        }

    }
?>
```

```javascript
<script type="text/javascript">
var count = 1;
var overview_count = 0;
var action_count = 0;

function addBullet(textAreaName, divName, tab){
    if(tab == "overview"){
        overview_count++;
    }
    if(tab == "action"){
        action_count++;
    }
    var rand = Math.floor(Math.random()*9999);
    var input = document.createElement("textarea");
    input.name = textAreaName;
    input.id = rand;
    input.cols = "50";
    input.rows = "2";
    input.required = "required";
    document.getElementById(divName).appendChil
d(input);
}

function removeLastElement(divName, tab){
    if(tab == "overview" && overview_count <= 1){
        alert('You need to have at least one
description.');
        return;
```

```javascript
    }
    if(tab == "action" && action_count <= 1){
        alert('You need to have at least one
description.');
        return;
    }
    if(tab == "overview"){
        overview_count--;
    }
    if(tab == "action"){
        action_count--;
    }
    var parent =
document.getElementById(divName);
    if(!(parent.firstChild.isEqualNode(parent.lastChild
))){
        parent.removeChild(parent.lastChild);
    }

}

function appendAction(textAreaName, divName,
selectId, tab) {
    if(tab == "overview"){
        overview_count++;
    }
    if(tab == "action"){
        action_count++;
    }

    var e = document.getElementById(selectId);
    var strUser = e.options[e.selectedIndex].value;
    var rand = Math.floor(Math.random()*9999);

    var input = document.createElement("textarea");
    input.name = textAreaName;
    input.id = rand;
    input.cols = "50";
    input.rows = "2";
    input.value = strUser;
    document.getElementById(divName).appendChil
d(input);

}

function checkFields(){
    if(overview_count < 1){
        alert("You need to have at least 1
description.");
        return false;
    }
    if(action_count < 1){
        alert("You need to have at least 1 action.");
```

```
                return false;
        }
        return true;
}
</script>

    Create DMCS Report
    <div id="line"></div>
    Data retrieved <?php echo $header_label; ?>
<br/><br/>


    <form action="generate_report.php"
method="POST">
    <input type = "hidden" name = "pure_title"
<?php
    if(isset($title)){
            echo "value = \"$title\" ";
    }
    ?>/>
    Report Title:
    <input type = "text" name = "report_title" <?php
    if(isset($title)){
            echo "value = \"Update Re $title\" ";
    }
    ?>required = "required" size="59"/><br/>
    <div id="line"></div>
    <div id="mainField">

    <fieldset id="event_1">
    Event Title: <input type = "text" name =
"event_title[]"
    <?php
    if(isset($title)){
            echo "value = \"$title\" ";
    }
    ?>size="51" required = "required"><br />
    SITUATION OVERVIEW:<br/>
    <div id="overview_1">
    <?php
    if(!isset($description_arr)){
            echo "<textarea name=\"overview_1[]\" id
= \"ove_1\" rows=\"2\" cols=\"50\" required =
\"required\" text-align = \"left\"></textarea><br/>";
    }
    ?>
    </div>
    <?php
    if(isset($description_arr)){
    echo "<select id=\"description_1\">";
    foreach($description_arr as $description){
            echo "<option
value=\"$description\">$description</option>";
```

```
    }
    echo "</select><br/>";
    echo "<input type=\"button\" value=\"Add an
overview description\"
onClick=\"appendAction('overview_1[]','overview_1'
, 'description_1', 'overview')\" ><br/>";

    }
    ?>
    <button type="button"
onclick="addBullet('overview_1[]', 'overview_1',
'overview')">Add bullet</button>
    <input type="button" value="Remove last bullet"
onclick="removeLastElement('overview_1','overview
')">
    <br/><br/>
    ACTIONS TAKEN:<br/>
    <div id="action_1">

    <?php

    if(isset($action_arr)){
    echo "<select id=\"manpower_action_1\">";
    foreach($action_arr as $action){
            echo "<option
value=\"".$action."\">".$action."</option>";
    }
    echo "</select><br/>";
    echo "<input type=\"button\" value=\"Add an
action from dispatched manpower\"
onClick=\"appendAction('action_1[]','action_1',
'manpower_action_1','action')\" ><br/>";
    }

    else{
?>
    <script type="text/javascript">
    addBullet('action_1[]','action_1','action');
    </script>
<?php
    }

    ?>
    </div>

    <button type="button"
onclick="addBullet('action_1[]','action_1','action')">
Add bullet</button>
    <input type="button" value="Remove last bullet"
onclick="removeLastElement('action_1','action')">
    <br/><br/>
    </fieldset>
```

```php
    </div>
    <br/>
<?php
    $where_str = "";
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $where_str = "WHERE location =
'lgu;".$ldrrmc_lgu['lgu_id']."'";
    }
    if($_SESSION['position'] == "rdrrmc"){
        $rdrrmc_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
        }
        $lgu_str = " , ".implode(", ", $lgu_id_arr);
        $where_str = "WHERE location IN
('region;".$rdrrmc_region['region_id']."'$lgu_str)";
    }

    $events_qry = mysql_query("SELECT * FROM
event
        $where_str ORDER BY date_started DESC");

?>
    <div id="line"></div>

    <input type="submit" value="Preview PDF"
onClick="this.form.action='fpdf_test.php';
this.form.target='_blank';return checkFields();"/>
    <input type="submit" value="Generate Report"
onClick="this.form.action='generate_report.php';
this.form.target='_self';return
checkFields();"/><br/><br/>
    </form>
```

```php
<?php
    require("footer.php");
?>
```

footer.php

```php
    </div>
    <div id="cleaner"></div>
    <div id="footer">

    </div>
    </div>
```

fpdf.php

```php
<?php

define('FPDF_VERSION','1.7');

class FPDF
{
var $page;          // current page number
var $n;             // current object number
var $offsets;       // array of object offsets
var $buffer;        // buffer holding in-memory PDF
var $pages;         // array containing pages
var $state;         // current document state
var $compress;      // compression flag
var $k;             // scale factor (number of points in
user unit)
var $DefOrientation;    // default orientation
var $CurOrientation;    // current orientation
var $StdPageSizes;      // standard page sizes
var $DefPageSize;       // default page size
var $CurPageSize;       // current page size
var $PageSizes;         // used for pages with non
default sizes or orientations
var $wPt, $hPt;         // dimensions of current page in
points
var $w, $h;             // dimensions of current page in
user unit
var $lMargin;           // left margin
var $tMargin;           // top margin
var $rMargin;           // right margin
var $bMargin;           // page break margin
var $cMargin;           // cell margin
var $x, $y;             // current position in user unit
var $lasth;             // height of last printed cell
var $LineWidth;         // line width in user unit
var $fontpath;          // path containing fonts
var $CoreFonts;         // array of core font names
var $fonts;             // array of used fonts
var $FontFiles;         // array of font files
```

```
var $diffs;          // array of encoding differences
var $FontFamily;        // current font family
var $FontStyle;         // current font style
var $underline;         // underlining flag
var $CurrentFont;       // current font info
var $FontSizePt;        // current font size in points
var $FontSize;          // current font size in user unit
var $DrawColor;         // commands for drawing color
var $FillColor;         // commands for filling color
var $TextColor;         // commands for text color
var $ColorFlag;         // indicates whether fill and text
colors are different
var $ws;              // word spacing
var $images;            // array of used images
var $PageLinks;         // array of links in pages
var $links;             // array of internal links
var $AutoPageBreak;     // automatic page breaking
var $PageBreakTrigger;  // threshold used to trigger
page breaks
var $InHeader;          // flag set when processing
header
var $InFooter;          // flag set when processing
footer
var $ZoomMode;          // zoom display mode
var $LayoutMode;        // layout display mode
var $title;          // title
var $subject;           // subject
var $author;            // author
var $keywords;          // keywords
var $creator;           // creator
var $AliasNbPages;      // alias for total number of
pages
var $PDFVersion;        // PDF version number

function FPDF($orientation='P', $unit='mm',
$size='A4')
{
    // Some checks
    $this->_dochecks();
    // Initialization of properties
    $this->page = 0;
    $this->n = 2;
    $this->buffer = '';
    $this->pages = array();
    $this->PageSizes = array();
    $this->state = 0;
    $this->fonts = array();
    $this->FontFiles = array();
    $this->diffs = array();
    $this->images = array();
    $this->links = array();
    $this->InHeader = false;
    $this->InFooter = false;
    $this->lasth = 0;
    $this->FontFamily = '';
    $this->FontStyle = '';
    $this->FontSizePt = 12;
    $this->underline = false;
    $this->DrawColor = '0 G';
    $this->FillColor = '0 g';
    $this->TextColor = '0 g';
    $this->ColorFlag = false;
    $this->ws = 0;
    // Font path
    if(defined('FPDF_FONTPATH'))
    {
        $this->fontpath = FPDF_FONTPATH;
        if(substr($this->fontpath,-1)!='/' &&
substr($this->fontpath,-1)!='\\')
            $this->fontpath .= '/';
    }
    elseif(is_dir(dirname(__FILE__).'/font'))
        $this->fontpath =
dirname(__FILE__).'/font/';
    else
        $this->fontpath = '';
    // Core fonts
    $this->CoreFonts = array('courier', 'helvetica',
'times', 'symbol', 'zapfdingbats');
    // Scale factor
    if($unit=='pt')
        $this->k = 1;
    elseif($unit=='mm')
        $this->k = 72/25.4;
    elseif($unit=='cm')
        $this->k = 72/2.54;
    elseif($unit=='in')
        $this->k = 72;
    else
        $this->Error('Incorrect unit: '.$unit);
    // Page sizes
    $this->StdPageSizes =
array('a3'=>array(841.89,1190.55),
'a4'=>array(595.28,841.89),
'a5'=>array(420.94,595.28),
        'letter'=>array(612,792),
'legal'=>array(612,1008));
    $size = $this->_getpagesize($size);
    $this->DefPageSize = $size;
    $this->CurPageSize = $size;
    // Page orientation
    $orientation = strtolower($orientation);
    if($orientation=='p' || $orientation=='portrait')
    {
        $this->DefOrientation = 'P';
        $this->w = $size[0];
```

```php
        $this->h = $size[1];
    }
    elseif($orientation=='l' ||
$orientation=='landscape')
    {
        $this->DefOrientation = 'L';
        $this->w = $size[1];
        $this->h = $size[0];
    }
    else
        $this->Error('Incorrect orientation:
'.$orientation);
    $this->CurOrientation = $this->DefOrientation;
    $this->wPt = $this->w*$this->k;
    $this->hPt = $this->h*$this->k;
    // Page margins (1 cm)
    $margin = 28.35/$this->k;
    $this->SetMargins($margin,$margin);
    // Interior cell margin (1 mm)
    $this->cMargin = $margin/10;
    // Line width (0.2 mm)
    $this->LineWidth = .567/$this->k;
    // Automatic page break
    $this->SetAutoPageBreak(true,2*$margin);
    // Default display mode
    $this->SetDisplayMode('default');
    // Enable compression
    $this->SetCompression(true);
    // Set default PDF version number
    $this->PDFVersion = '1.3';
}

function SetMargins($left, $top, $right=null)
{
    // Set left, top and right margins
    $this->lMargin = $left;
    $this->tMargin = $top;
    if($right===null)
        $right = $left;
    $this->rMargin = $right;
}

function SetLeftMargin($margin)
{
    // Set left margin
    $this->lMargin = $margin;
    if($this->page>0 && $this->x<$margin)
        $this->x = $margin;
}

function SetTopMargin($margin)
{
    // Set top margin
```

```php
    $this->tMargin = $margin;
}

function SetRightMargin($margin)
{
    // Set right margin
    $this->rMargin = $margin;
}

function SetAutoPageBreak($auto, $margin=0)
{
    // Set auto page break mode and triggering
margin
    $this->AutoPageBreak = $auto;
    $this->bMargin = $margin;
    $this->PageBreakTrigger = $this->h-$margin;
}

function SetDisplayMode($zoom, $layout='default')
{
    // Set display mode in viewer
    if($zoom=='fullpage' || $zoom=='fullwidth' ||
$zoom=='real' || $zoom=='default' ||
!is_string($zoom))
        $this->ZoomMode = $zoom;
    else
        $this->Error('Incorrect zoom display mode:
'.$zoom);
    if($layout=='single' || $layout=='continuous' ||
$layout=='two' || $layout=='default')
        $this->LayoutMode = $layout;
    else
        $this->Error('Incorrect layout display mode:
'.$layout);
}

function SetCompression($compress)
{
    // Set page compression
    if(function_exists('gzcompress'))
        $this->compress = $compress;
    else
        $this->compress = false;
}

function SetTitle($title, $isUTF8=false)
{
    // Title of document
    if($isUTF8)
        $title = $this->_UTF8toUTF16($title);
    $this->title = $title;
}
```

```php
function SetSubject($subject, $isUTF8=false)
{
    // Subject of document
    if($isUTF8)
            $subject = $this->_UTF8toUTF16($subject);
    $this->subject = $subject;
}

function SetAuthor($author, $isUTF8=false)
{
    // Author of document
    if($isUTF8)
            $author = $this->_UTF8toUTF16($author);
    $this->author = $author;
}

function SetKeywords($keywords, $isUTF8=false)
{
    // Keywords of document
    if($isUTF8)
            $keywords = $this-
>_UTF8toUTF16($keywords);
    $this->keywords = $keywords;
}

function SetCreator($creator, $isUTF8=false)
{
    // Creator of document
    if($isUTF8)
            $creator = $this->_UTF8toUTF16($creator);
    $this->creator = $creator;
}

function AliasNbPages($alias='{nb}')
{
    // Define an alias for total number of pages
    $this->AliasNbPages = $alias;
}

function Error($msg)
{
    // Fatal error
    die('<b>FPDF error:</b> '.$msg);
}

function Open()
{
    // Begin document
    $this->state = 1;
}

function Close()
{

    // Terminate document
    if($this->state==3)
            return;
    if($this->page==0)
            $this->AddPage();
    // Page footer
    $this->InFooter = true;
    $this->Footer();
    $this->InFooter = false;
    // Close page
    $this->_endpage();
    // Close document
    $this->_enddoc();
}

function AddPage($orientation='', $size='')
{
    // Start a new page
    if($this->state==0)
            $this->Open();
    $family = $this->FontFamily;
    $style = $this->FontStyle.($this->underline ? 'U' :
'');
    $fontsize = $this->FontSizePt;
    $lw = $this->LineWidth;
    $dc = $this->DrawColor;
    $fc = $this->FillColor;
    $tc = $this->TextColor;
    $cf = $this->ColorFlag;
    if($this->page>0)
    {
            // Page footer
            $this->InFooter = true;
            $this->Footer();
            $this->InFooter = false;
            // Close page
            $this->_endpage();
    }
    // Start new page
    $this->_beginpage($orientation,$size);
    // Set line cap style to square
    $this->_out('2 J');
    // Set line width
    $this->LineWidth = $lw;
    $this->_out(sprintf('%.2F w',$lw*$this->k));
    // Set font
    if($family)
            $this->SetFont($family,$style,$fontsize);
    // Set colors
    $this->DrawColor = $dc;
    if($dc!='0 G')
            $this->_out($dc);
    $this->FillColor = $fc;
```

```php
        if($fc!='0 g')
                $this->_out($fc);
        $this->TextColor = $tc;
        $this->ColorFlag = $cf;
        // Page header
        $this->InHeader = true;
        $this->Header();
        $this->InHeader = false;
        // Restore line width
        if($this->LineWidth!=$lw)
        {
                $this->LineWidth = $lw;
                $this->_out(sprintf('%.2F w',$lw*$this->k));
        }
        // Restore font
        if($family)
                $this->SetFont($family,$style,$fontsize);
        // Restore colors
        if($this->DrawColor!=$dc)
        {
                $this->DrawColor = $dc;
                $this->_out($dc);
        }
        if($this->FillColor!=$fc)
        {
                $this->FillColor = $fc;
                $this->_out($fc);
        }
        $this->TextColor = $tc;
        $this->ColorFlag = $cf;
}

function Header()
{
    // To be implemented in your own inherited class
}

function Footer()
{
    // To be implemented in your own inherited class
}

function PageNo()
{
    // Get current page number
    return $this->page;
}

function SetDrawColor($r, $g=null, $b=null)
{
    // Set color for all stroking operations
    if(($r==0 && $g==0 && $b==0) || $g===null)
            $this->DrawColor = sprintf('%.3F G',$r/255);
    else
            $this->DrawColor = sprintf('%.3F %.3F %.3F
RG',$r/255,$g/255,$b/255);
    if($this->page>0)
            $this->_out($this->DrawColor);
}

function SetFillColor($r, $g=null, $b=null)
{
    // Set color for all filling operations
    if(($r==0 && $g==0 && $b==0) || $g===null)
            $this->FillColor = sprintf('%.3F g',$r/255);
    else
            $this->FillColor = sprintf('%.3F %.3F %.3F
rg',$r/255,$g/255,$b/255);
    $this->ColorFlag = ($this->FillColor!=$this-
>TextColor);
    if($this->page>0)
            $this->_out($this->FillColor);
}

function SetTextColor($r, $g=null, $b=null)
{
    // Set color for text
    if(($r==0 && $g==0 && $b==0) || $g===null)
            $this->TextColor = sprintf('%.3F g',$r/255);
    else
            $this->TextColor = sprintf('%.3F %.3F %.3F
rg',$r/255,$g/255,$b/255);
    $this->ColorFlag = ($this->FillColor!=$this-
>TextColor);
}

function GetStringWidth($s)
{
    // Get width of a string in the current font
    $s = (string)$s;
    $cw = &$this->CurrentFont['cw'];
    $w = 0;
    $l = strlen($s);
    for($i=0;$i<$l;$i++)
            $w += $cw[$s[$i]];
    return $w*$this->FontSize/1000;
}

function SetLineWidth($width)
{
    // Set line width
    $this->LineWidth = $width;
    if($this->page>0)
            $this->_out(sprintf('%.2F w',$width*$this-
>k));
}
```

```php
function Line($x1, $y1, $x2, $y2)
{
    // Draw a line
    $this->_out(sprintf('%.2F %.2F m %.2F %.2F l S',$x1*$this->k,($this->h-$y1)*$this->k,$x2*$this->k,($this->h-$y2)*$this->k));
}

function Rect($x, $y, $w, $h, $style='')
{
    // Draw a rectangle
    if($style=='F')
        $op = 'f';
    elseif($style=='FD' || $style=='DF')
        $op = 'B';
    else
        $op = 'S';
    $this->_out(sprintf('%.2F %.2F %.2F %.2F re %s',$x*$this->k,($this->h-$y)*$this->k,$w*$this->k,-$h*$this->k,$op));
}

function AddFont($family, $style='', $file='')
{
    // Add a TrueType, OpenType or Type1 font
    $family = strtolower($family);
    if($file=='')
        $file = str_replace(' ','',$family).strtolower($style).'.php';
    $style = strtoupper($style);
    if($style=='IB')
        $style = 'BI';
    $fontkey = $family.$style;
    if(isset($this->fonts[$fontkey]))
        return;
    $info = $this->_loadfont($file);
    $info['i'] = count($this->fonts)+1;
    if(!empty($info['diff']))
    {
        // Search existing encodings
        $n = array_search($info['diff'],$this->diffs);
        if(!$n)
        {
            $n = count($this->diffs)+1;
            $this->diffs[$n] = $info['diff'];
        }
        $info['diffn'] = $n;
    }
    if(!empty($info['file']))
    {
        // Embedded font
        if($info['type']=='TrueType')
            $this->FontFiles[$info['file']] =
array('length1'=>$info['originalsize']);
        else
            $this->FontFiles[$info['file']] =
array('length1'=>$info['size1'],
'length2'=>$info['size2']);
    }
    $this->fonts[$fontkey] = $info;
}

function SetFont($family, $style='', $size=0)
{
    // Select a font; size given in points
    if($family=='')
        $family = $this->FontFamily;
    else
        $family = strtolower($family);
    $style = strtoupper($style);
    if(strpos($style,'U')!==false)
    {
        $this->underline = true;
        $style = str_replace('U','',$style);
    }
    else
        $this->underline = false;
    if($style=='IB')
        $style = 'BI';
    if($size==0)
        $size = $this->FontSizePt;
    // Test if font is already selected
    if($this->FontFamily==$family && $this->FontStyle==$style && $this->FontSizePt==$size)
        return;
    // Test if font is already loaded
    $fontkey = $family.$style;
    if(!isset($this->fonts[$fontkey]))
    {
        // Test if one of the core fonts
        if($family=='arial')
            $family = 'helvetica';
        if(in_array($family,$this->CoreFonts))
        {
            if($family=='symbol' ||
$family=='zapfdingbats')
                $style = '';
            $fontkey = $family.$style;
            if(!isset($this->fonts[$fontkey]))
                $this->AddFont($family,$style);
        }
        else
            $this->Error('Undefined font:
'.$family.' '.$style);
```

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```
        }
        // Select it
        $this->FontFamily = $family;
        $this->FontStyle = $style;
        $this->FontSizePt = $size;
        $this->FontSize = $size/$this->k;
        $this->CurrentFont = &$this->fonts[$fontkey];
        if($this->page>0)
                $this->_out(sprintf('BT /F%d %.2F Tf
ET',$this->CurrentFont['i'],$this->FontSizePt));
}

function SetFontSize($size)
{
        // Set font size in points
        if($this->FontSizePt==$size)
                return;
        $this->FontSizePt = $size;
        $this->FontSize = $size/$this->k;
        if($this->page>0)
                $this->_out(sprintf('BT /F%d %.2F Tf
ET',$this->CurrentFont['i'],$this->FontSizePt));
}

function AddLink()
{
        // Create a new internal link
        $n = count($this->links)+1;
        $this->links[$n] = array(0, 0);
        return $n;
}

function SetLink($link, $y=0, $page=-1)
{
        // Set destination of internal link
        if($y==-1)
                $y = $this->y;
        if($page==-1)
                $page = $this->page;
        $this->links[$link] = array($page, $y);
}

function Link($x, $y, $w, $h, $link)
{
        // Put a link on the page
        $this->PageLinks[$this->page][] = array($x*$this-
>k, $this->hPt-$y*$this->k, $w*$this->k, $h*$this->k,
$link);
}

function Text($x, $y, $txt)
{
        // Output a string
```

```
        $s = sprintf('BT %.2F %.2F Td (%s) Tj ET',$x*$this-
>k,($this->h-$y)*$this->k,$this->_escape($txt));
        if($this->underline && $txt!='')
                $s .= ' '.$this->_dounderline($x,$y,$txt);
        if($this->ColorFlag)
                $s = 'q '.$this->TextColor.' '.$s.' Q';
        $this->_out($s);
}

function AcceptPageBreak()
{
        // Accept automatic page break or not
        return $this->AutoPageBreak;
}

function Cell($w, $h=0, $txt='', $border=0, $ln=0,
$align='', $fill=false, $link='')
{
        // Output a cell
        $k = $this->k;
        if($this->y+$h>$this->PageBreakTrigger &&
!$this->InHeader && !$this->InFooter && $this-
>AcceptPageBreak())
        {
                // Automatic page break
                $x = $this->x;
                $ws = $this->ws;
                if($ws>0)
                {
                        $this->ws = 0;
                        $this->_out('0 Tw');
                }
                $this->AddPage($this-
>CurOrientation,$this->CurPageSize);
                $this->x = $x;
                if($ws>0)
                {
                        $this->ws = $ws;
                        $this->_out(sprintf('%.3F
Tw',$ws*$k));
                }
        }
        if($w==0)
                $w = $this->w-$this->rMargin-$this->x;
        $s = '';
        if($fill || $border==1)
        {
                if($fill)
                        $op = ($border==1) ? 'B' : 'f';
                else
                        $op = 'S';
```

```php
        $s = sprintf('%.2F %.2F %.2F %.2F re %s ',$this->x*$k,($this->h-$this->y)*$k,$w*$k,-$h*$k,$op);
    }
    if(is_string($border))
    {
        $x = $this->x;
        $y = $this->y;
        if(strpos($border,'L')!==false)
            $s .= sprintf('%.2F %.2F m %.2F %.2F l S ',$x*$k,($this->h-$y)*$k,$x*$k,($this->h-($y+$h))*$k);
        if(strpos($border,'T')!==false)
            $s .= sprintf('%.2F %.2F m %.2F %.2F l S ',$x*$k,($this->h-$y)*$k,($x+$w)*$k,($this->h-$y)*$k);
        if(strpos($border,'R')!==false)
            $s .= sprintf('%.2F %.2F m %.2F %.2F l S ',($x+$w)*$k,($this->h-$y)*$k,($x+$w)*$k,($this->h-($y+$h))*$k);
        if(strpos($border,'B')!==false)
            $s .= sprintf('%.2F %.2F m %.2F %.2F l S ',$x*$k,($this->h-($y+$h))*$k,($x+$w)*$k,($this->h-($y+$h))*$k);
    }
    if($txt!=='')
    {
        if($align=='R')
            $dx = $w-$this->cMargin-$this->GetStringWidth($txt);
        elseif($align=='C')
            $dx = ($w-$this->GetStringWidth($txt))/2;
        else
            $dx = $this->cMargin;
        if($this->ColorFlag)
            $s .= 'q '.$this->TextColor.' ';
        $txt2 = str_replace(')','\\)',str_replace('(','\\(',str_replace('\\','\\\\',$txt)));
        $s .= sprintf('BT %.2F %.2F Td (%s) Tj ET',($this->x+$dx)*$k,($this->h-($this->y+.5*$h+.3*$this->FontSize))*$k,$txt2);
        if($this->underline)
            $s .= ' '.$this->_dounderline($this->x+$dx,$this->y+.5*$h+.3*$this->FontSize,$txt);
        if($this->ColorFlag)
            $s .= ' Q';
        if($link)
            $this->Link($this->x+$dx,$this->y+.5*$h-.5*$this->FontSize,$this->GetStringWidth($txt),$this->FontSize,$link);
    }
    if($s)
        $this->_out($s);
    $this->lasth = $h;
    if($ln>0)
    {
        // Go to next line
        $this->y += $h;
        if($ln==1)
            $this->x = $this->lMargin;
    }
    else
        $this->x += $w;
}

function MultiCell($w, $h, $txt, $border=0, $align='J', $fill=false)
{
    // Output text with automatic or explicit line breaks
    $cw = &$this->CurrentFont['cw'];
    if($w==0)
        $w = $this->w-$this->rMargin-$this->x;
    $wmax = ($w-2*$this->cMargin)*1000/$this->FontSize;
    $s = str_replace("\r",'',$txt);
    $nb = strlen($s);
    if($nb>0 && $s[$nb-1]=="\n")
        $nb--;
    $b = 0;
    if($border)
    {
        if($border==1)
        {
            $border = 'LTRB';
            $b = 'LRT';
            $b2 = 'LR';
        }
        else
        {
            $b2 = '';
            if(strpos($border,'L')!==false)
                $b2 .= 'L';
            if(strpos($border,'R')!==false)
                $b2 .= 'R';
            $b = (strpos($border,'T')!==false) ? $b2.'T' : $b2;
        }
    }
    $sep = -1;
    $i = 0;
    $j = 0;
    $l = 0;
    $ns = 0;
```

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```
    $nl = 1;
    while($i<$nb)
    {
        // Get next character
        $c = $s[$i];
        if($c=="\n")
        {
            // Explicit line break
            if($this->ws>0)
            {
                $this->ws = 0;
                $this->_out('0 Tw');
            }
            $this->Cell($w,$h,substr($s,$j,$i-
$j),$b,2,$align,$fill);
            $i++;
            $sep = -1;
            $j = $i;
            $l = 0;
            $ns = 0;
            $nl++;
            if($border && $nl==2)
                    $b = $b2;
            continue;
        }
        if($c==' ')
        {
            $sep = $i;
            $ls = $l;
            $ns++;
        }
        $l += $cw[$c];
        if($l>$wmax)
        {
            // Automatic line break
            if($sep==-1)
            {
                if($i==$j)
                        $i++;
                if($this->ws>0)
                {
                    $this->ws = 0;
                    $this->_out('0
Tw');
                }
                $this-
>Cell($w,$h,substr($s,$j,$i-$j),$b,2,$align,$fill);
            }
            else
            {
                if($align=='J')
                {
```

```
                    $this->ws =
($ns>1) ? ($wmax-$ls)/1000*$this->FontSize/($ns-1)
: 0;
                    $this-
>_out(sprintf('%.3F Tw',$this->ws*$this->k));
                }
                $this-
>Cell($w,$h,substr($s,$j,$sep-$j),$b,2,$align,$fill);
                $i = $sep+1;
            }
            $sep = -1;
            $j = $i;
            $l = 0;
            $ns = 0;
            $nl++;
            if($border && $nl==2)
                    $b = $b2;
        }
        else
            $i++;
    }
    // Last chunk
    if($this->ws>0)
    {
        $this->ws = 0;
        $this->_out('0 Tw');
    }
    if($border && strpos($border,'B')!==false)
        $b .= 'B';
    $this->Cell($w,$h,substr($s,$j,$i-
$j),$b,2,$align,$fill);
    $this->x = $this->lMargin;
}

function Write($h, $txt, $link='')
{
    // Output text in flowing mode
    $cw = &$this->CurrentFont['cw'];
    $w = $this->w-$this->rMargin-$this->x;
    $wmax = ($w-2*$this->cMargin)*1000/$this-
>FontSize;
    $s = str_replace("\r",'',$txt);
    $nb = strlen($s);
    $sep = -1;
    $i = 0;
    $j = 0;
    $l = 0;
    $nl = 1;
    while($i<$nb)
    {
        // Get next character
        $c = $s[$i];
        if($c=="\n")
```

```php
		{
			// Explicit line break
			$this->Cell($w,$h,substr($s,$j,$i-$j),0,2,'',0,$link);
			$i++;
			$sep = -1;
			$j = $i;
			$l = 0;
			if($nl==1)
			{
				$this->x = $this->lMargin;
				$w = $this->w-$this->rMargin-$this->x;
				$wmax = ($w-2*$this->cMargin)*1000/$this->FontSize;
			}
			$nl++;
			continue;
		}
		if($c==' ')
			$sep = $i;
		$l += $cw[$c];
		if($l>$wmax)
		{
			// Automatic line break
			if($sep==-1)
			{
				if($this->x>$this->lMargin)
				{
					// Move to next line
					$this->x = $this->lMargin;
					$this->y += $h;
					$w = $this->w-$this->rMargin-$this->x;
					$wmax = ($w-2*$this->cMargin)*1000/$this->FontSize;
					$i++;
					$nl++;
					continue;
				}
				if($i==$j)
					$i++;
				$this->Cell($w,$h,substr($s,$j,$i-$j),0,2,'',0,$link);
			}
			else
			{
				$this->Cell($w,$h,substr($s,$j,$sep-$j),0,2,'',0,$link);
				$i = $sep+1;
			}
			$sep = -1;
			$j = $i;
			$l = 0;
			if($nl==1)
			{
				$this->x = $this->lMargin;
				$w = $this->w-$this->rMargin-$this->x;
				$wmax = ($w-2*$this->cMargin)*1000/$this->FontSize;
			}
			$nl++;
		}
		else
			$i++;
	}
	// Last chunk
	if($i!=$j)
		$this->Cell($l/1000*$this->FontSize,$h,substr($s,$j),0,0,'',0,$link);
}

function Ln($h=null)
{
	// Line feed; default value is last cell height
	$this->x = $this->lMargin;
	if($h===null)
		$this->y += $this->lasth;
	else
		$this->y += $h;
}

function Image($file, $x=null, $y=null, $w=0, $h=0, $type='', $link='')
{
	// Put an image on the page
	if(!isset($this->images[$file]))
	{
		// First use of this image, get info
		if($type=='')
		{
			$pos = strrpos($file,'.');
			if(!$pos)
				$this->Error('Image file has no extension and no type was specified: '.$file);
			$type = substr($file,$pos+1);
		}
		$type = strtolower($type);
		if($type=='jpeg')
			$type = 'jpg';
		$mtd = '_parse'.$type;
		if(!method_exists($this,$mtd))
```

```php
				$this->Error('Unsupported image
type: '.$type);
		$info = $this->$mtd($file);
		$info['i'] = count($this->images)+1;
		$this->images[$file] = $info;
	}
	else
		$info = $this->images[$file];

	// Automatic width and height calculation if
needed
	if($w==0 && $h==0)
	{
		// Put image at 96 dpi
		$w = -96;
		$h = -96;
	}
	if($w<0)
		$w = -$info['w']*72/$w/$this->k;
	if($h<0)
		$h = -$info['h']*72/$h/$this->k;
	if($w==0)
		$w = $h*$info['w']/$info['h'];
	if($h==0)
		$h = $w*$info['h']/$info['w'];

	// Flowing mode
	if($y===null)
	{
		if($this->y+$h>$this->PageBreakTrigger &&
!$this->InHeader && !$this->InFooter && $this-
>AcceptPageBreak())
		{
			// Automatic page break
			$x2 = $this->x;
			$this->AddPage($this-
>CurOrientation,$this->CurPageSize);
			$this->x = $x2;
		}
		$y = $this->y;
		$this->y += $h;
	}

	if($x===null)
		$x = $this->x;
	$this->_out(sprintf('q %.2F 0 0 %.2F %.2F %.2F
cm /I%d Do Q',$w*$this->k,$h*$this->k,$x*$this-
>k,($this->h-($y+$h))*$this->k,$info['i']));
	if($link)
		$this->Link($x,$y,$w,$h,$link);
}

function GetX()
{
	// Get x position
	return $this->x;
}

function SetX($x)
{
	// Set x position
	if($x>=0)
		$this->x = $x;
	else
		$this->x = $this->w+$x;
}

function GetY()
{
	// Get y position
	return $this->y;
}

function SetY($y)
{
	// Set y position and reset x
	$this->x = $this->lMargin;
	if($y>=0)
		$this->y = $y;
	else
		$this->y = $this->h+$y;
}

function SetXY($x, $y)
{
	// Set x and y positions
	$this->SetY($y);
	$this->SetX($x);
}

function Output($name='', $dest='')
{
	// Output PDF to some destination
	if($this->state<3)
		$this->Close();
	$dest = strtoupper($dest);
	if($dest=='')
	{
		if($name=='')
		{
			$name = 'doc.pdf';
			$dest = 'I';
		}
		else
			$dest = 'F';
	}
```

```php
    switch($dest)
    {
        case 'I':
                // Send to standard output
                $this->_checkoutput();
                if(PHP_SAPI!='cli')
                {
                        // We send to a browser
                        header('Content-Type:
application/pdf');
                        header('Content-
Disposition: inline; filename="'.$name.'"');
                        header('Cache-Control:
private, max-age=0, must-revalidate');
                        header('Pragma: public');
                }
                echo $this->buffer;
                break;
        case 'D':
                // Download file
                $this->_checkoutput();
                header('Content-Type:
application/x-download');
                header('Content-Disposition:
attachment; filename="'.$name.'"');
                header('Cache-Control: private,
max-age=0, must-revalidate');
                header('Pragma: public');
                echo $this->buffer;
                break;
        case 'F':
                // Save to local file
                $f = fopen($name,'wb');
                if(!$f)
                        $this->Error('Unable to
create output file: '.$name);
                fwrite($f,$this->buffer,strlen($this-
>buffer));
                fclose($f);
                break;
        case 'S':
                // Return as a string
                return $this->buffer;
        default:
                $this->Error('Incorrect output
destination: '.$dest);
    }
    return '';
}

function _dochecks()
{
    // Check availability of %F

    if(sprintf('%.1F',1.0)!='1.0')
            $this->Error('This version of PHP is not
supported');
    // Check mbstring overloading
    if(ini_get('mbstring.func_overload') & 2)
            $this->Error('mbstring overloading must be
disabled');
    // Ensure runtime magic quotes are disabled
    if(get_magic_quotes_runtime())
            @set_magic_quotes_runtime(0);
}

function _checkoutput()
{
    if(PHP_SAPI!='cli')
    {
        if(headers_sent($file,$line))
                $this->Error("Some data has
already been output, can't send PDF file (output
started at $file:$line)");
    }
    if(ob_get_length())
    {
        // The output buffer is not empty

    if(preg_match('/^(\xEF\xBB\xBF)?\s*$/',ob_get_c
ontents()))
        {
                // It contains only a UTF-8 BOM
and/or whitespace, let's clean it
                ob_clean();
        }
        else
                $this->Error("Some data has
already been output, can't send PDF file");
    }
}

function _getpagesize($size)
{
    if(is_string($size))
    {
        $size = strtolower($size);
        if(!isset($this->StdPageSizes[$size]))
                $this->Error('Unknown page size:
'.$size);
        $a = $this->StdPageSizes[$size];
        return array($a[0]/$this->k, $a[1]/$this->k);
    }
    else
    {
        if($size[0]>$size[1])
                return array($size[1], $size[0]);
```

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```php
        else
                return $size;
    }
}

function _beginpage($orientation, $size)
{
    $this->page++;
    $this->pages[$this->page] = '';
    $this->state = 2;
    $this->x = $this->lMargin;
    $this->y = $this->tMargin;
    $this->FontFamily = '';
    // Check page size and orientation
    if($orientation=='')
            $orientation = $this->DefOrientation;
    else
            $orientation = strtoupper($orientation[0]);
    if($size=='')
            $size = $this->DefPageSize;
    else
            $size = $this->_getpagesize($size);
    if($orientation!=$this->CurOrientation ||
$size[0]!=$this->CurPageSize[0] || $size[1]!=$this-
>CurPageSize[1])
    {
            // New size or orientation
            if($orientation=='P')
            {
                    $this->w = $size[0];
                    $this->h = $size[1];
            }
            else
            {
                    $this->w = $size[1];
                    $this->h = $size[0];
            }
            $this->wPt = $this->w*$this->k;
            $this->hPt = $this->h*$this->k;
            $this->PageBreakTrigger = $this->h-$this-
>bMargin;
            $this->CurOrientation = $orientation;
            $this->CurPageSize = $size;
    }
    if($orientation!=$this->DefOrientation ||
$size[0]!=$this->DefPageSize[0] || $size[1]!=$this-
>DefPageSize[1])
            $this->PageSizes[$this->page] = array($this-
>wPt, $this->hPt);
}

function _endpage()
{
```

```php
    $this->state = 1;
}

function _loadfont($font)
{
    // Load a font definition file from the font
directory
    include($this->fontpath.$font);
    $a = get_defined_vars();
    if(!isset($a['name']))
            $this->Error('Could not include font
definition file');
    return $a;
}

function _escape($s)
{
    // Escape special characters in strings
    $s = str_replace('\\','\\\\',$s);
    $s = str_replace('(','\\(',$s);
    $s = str_replace(')','\\)',$s);
    $s = str_replace("\r",'\\r',$s);
    return $s;
}

function _textstring($s)
{
    // Format a text string
    return '('.$this->_escape($s).')';
}

function _UTF8toUTF16($s)
{
    // Convert UTF-8 to UTF-16BE with BOM
    $res = "\xFE\xFF";
    $nb = strlen($s);
    $i = 0;
    while($i<$nb)
    {
            $c1 = ord($s[$i++]);
            if($c1>=224)
            {
                    // 3-byte character
                    $c2 = ord($s[$i++]);
                    $c3 = ord($s[$i++]);
                    $res .= chr((($c1 & 0x0F)<<4) +
(($c2 & 0x3C)>>2));
                    $res .= chr((($c2 & 0x03)<<6) +
($c3 & 0x3F));
            }
            elseif($c1>=192)
            {
                    // 2-byte character
```

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```php
                    $c2 = ord($s[$i++]);
                    $res .= chr(($c1 & 0x1C)>>2);
                    $res .= chr((($c1 & 0x03)<<6) +
($c2 & 0x3F));
            }
        else
        {
                    // Single-byte character
                    $res .= "\0".chr($c1);
        }
    }
    return $res;
}

function _dounderline($x, $y, $txt)
{
    // Underline text
    $up = $this->CurrentFont['up'];
    $ut = $this->CurrentFont['ut'];
    $w = $this->GetStringWidth($txt)+$this-
>ws*substr_count($txt,' ');
    return sprintf('%.2F %.2F %.2F %.2F re f',$x*$this-
>k,($this->h-($y-$up/1000*$this->FontSize))*$this-
>k,$w*$this->k,-$ut/1000*$this->FontSizePt);
}

function _parsejpg($file)
{
    // Extract info from a JPEG file
    $a = getimagesize($file);
    if(!$a)
        $this->Error('Missing or incorrect image file:
'.$file);
    if($a[2]!=2)
        $this->Error('Not a JPEG file: '.$file);
    if(!isset($a['channels']) || $a['channels']==3)
        $colspace = 'DeviceRGB';
    elseif($a['channels']==4)
        $colspace = 'DeviceCMYK';
    else
        $colspace = 'DeviceGray';
    $bpc = isset($a['bits']) ? $a['bits'] : 8;
    $data = file_get_contents($file);
    return array('w'=>$a[0], 'h'=>$a[1],
'cs'=>$colspace, 'bpc'=>$bpc, 'f'=>'DCTDecode',
'data'=>$data);
}

function _parsepng($file)
{
    // Extract info from a PNG file
    $f = fopen($file,'rb');
    if(!$f)
        $this->Error('Can\'t open image file: '.$file);
    $info = $this->_parsepngstream($f,$file);
    fclose($f);
    return $info;
}

function _parsepngstream($f, $file)
{
    // Check signature
    if($this-
>_readstream($f,8)!=chr(137).'PNG'.chr(13).chr(10).c
hr(26).chr(10))
            $this->Error('Not a PNG file: '.$file);

    // Read header chunk
    $this->_readstream($f,4);
    if($this->_readstream($f,4)!='IHDR')
        $this->Error('Incorrect PNG file: '.$file);
    $w = $this->_readint($f);
    $h = $this->_readint($f);
    $bpc = ord($this->_readstream($f,1));
    if($bpc>8)
        $this->Error('16-bit depth not supported:
'.$file);
    $ct = ord($this->_readstream($f,1));
    if($ct==0 || $ct==4)
        $colspace = 'DeviceGray';
    elseif($ct==2 || $ct==6)
        $colspace = 'DeviceRGB';
    elseif($ct==3)
        $colspace = 'Indexed';
    else
        $this->Error('Unknown color type: '.$file);
    if(ord($this->_readstream($f,1))!=0)
        $this->Error('Unknown compression
method: '.$file);
    if(ord($this->_readstream($f,1))!=0)
        $this->Error('Unknown filter method:
'.$file);
    if(ord($this->_readstream($f,1))!=0)
        $this->Error('Interlacing not supported:
'.$file);
    $this->_readstream($f,4);
    $dp = '/Predictor 15 /Colors
'.($colspace=='DeviceRGB' ? 3 : 1).'
/BitsPerComponent '.$bpc.' /Columns '.$w;

    // Scan chunks looking for palette, transparency
and image data
    $pal = '';
    $trns = '';
    $data = '';
    do
```

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```php
        {
                $n = $this->_readint($f);
                $type = $this->_readstream($f,4);
                if($type=='PLTE')
                {
                        // Read palette
                        $pal = $this->_readstream($f,$n);
                        $this->_readstream($f,4);
                }
                elseif($type=='tRNS')
                {
                        // Read transparency info
                        $t = $this->_readstream($f,$n);
                        if($ct==0)
                                $trns = array(ord(substr($t,1,1)));
                        elseif($ct==2)
                                $trns = array(ord(substr($t,1,1)), ord(substr($t,3,1)), ord(substr($t,5,1)));
                        else
                        {
                                $pos = strpos($t,chr(0));
                                if($pos!==false)
                                        $trns = array($pos);
                        }
                        $this->_readstream($f,4);
                }
                elseif($type=='IDAT')
                {
                        // Read image data block
                        $data .= $this->_readstream($f,$n);
                        $this->_readstream($f,4);
                }
                elseif($type=='IEND')
                        break;
                else
                        $this->_readstream($f,$n+4);
        }
        while($n);

        if($colspace=='Indexed' && empty($pal))
                $this->Error('Missing palette in '.$file);
        $info = array('w'=>$w, 'h'=>$h, 'cs'=>$colspace,
'bpc'=>$bpc, 'f'=>'FlateDecode', 'dp'=>$dp,
'pal'=>$pal, 'trns'=>$trns);
        if($ct>=4)
        {
                // Extract alpha channel
                if(!function_exists('gzuncompress'))
                        $this->Error('Zlib not available,
can\'t handle alpha channel: '.$file);
                $data = gzuncompress($data);
                $color = '';
                $alpha = '';
                if($ct==4)
                {
                        // Gray image
                        $len = 2*$w;
                        for($i=0;$i<$h;$i++)
                        {
                                $pos = (1+$len)*$i;
                                $color .= $data[$pos];
                                $alpha .= $data[$pos];
                                $line = substr($data,$pos+1,$len);
                                $color .= preg_replace('/(.)./s','$1',$line);
                                $alpha .= preg_replace('/.(.)/s','$1',$line);
                        }
                }
                else
                {
                        // RGB image
                        $len = 4*$w;
                        for($i=0;$i<$h;$i++)
                        {
                                $pos = (1+$len)*$i;
                                $color .= $data[$pos];
                                $alpha .= $data[$pos];
                                $line = substr($data,$pos+1,$len);
                                $color .= preg_replace('/(.{3})./s','$1',$line);
                                $alpha .= preg_replace('/.{3}(.)/s','$1',$line);
                        }
                }
                unset($data);
                $data = gzcompress($color);
                $info['smask'] = gzcompress($alpha);
                if($this->PDFVersion<'1.4')
                        $this->PDFVersion = '1.4';
        }
        $info['data'] = $data;
        return $info;
}

function _readstream($f, $n)
{
    // Read n bytes from stream
    $res = '';
```

```php
    while($n>0 && !feof($f))
    {
        $s = fread($f,$n);
        if($s===false)
                $this->Error('Error while reading
stream');
        $n -= strlen($s);
        $res .= $s;
    }
    if($n>0)
        $this->Error('Unexpected end of stream');
    return $res;
}

function _readint($f)
{
    // Read a 4-byte integer from stream
    $a = unpack('Ni',$this->_readstream($f,4));
    return $a['i'];
}

function _parsegif($file)
{
    // Extract info from a GIF file (via PNG
conversion)
    if(!function_exists('imagepng'))
        $this->Error('GD extension is required for
GIF support');
    if(!function_exists('imagecreatefromgif'))
        $this->Error('GD has no GIF read support');
    $im = imagecreatefromgif($file);
    if(!$im)
        $this->Error('Missing or incorrect image file:
'.$file);
    imageinterlace($im,0);
    $f = @fopen('php://temp','rb+');
    if($f)
    {
        // Perform conversion in memory
        ob_start();
        imagepng($im);
        $data = ob_get_clean();
        imagedestroy($im);
        fwrite($f,$data);
        rewind($f);
        $info = $this->_parsepngstream($f,$file);
        fclose($f);
    }
    else
    {
        // Use temporary file
        $tmp = tempnam('.','gif');
        if(!$tmp)
                $this->Error('Unable to create a
temporary file');
        if(!imagepng($im,$tmp))
                $this->Error('Error while saving to
temporary file');
        imagedestroy($im);
        $info = $this->_parsepng($tmp);
        unlink($tmp);
    }
    return $info;
}

function _newobj()
{
    // Begin a new object
    $this->n++;
    $this->offsets[$this->n] = strlen($this->buffer);
    $this->_out($this->n.' 0 obj');
}

function _putstream($s)
{
    $this->_out('stream');
    $this->_out($s);
    $this->_out('endstream');
}

function _out($s)
{
    // Add a line to the document
    if($this->state==2)
        $this->pages[$this->page] .= $s."\n";
    else
        $this->buffer .= $s."\n";
}

function _putpages()
{
    $nb = $this->page;
    if(!empty($this->AliasNbPages))
    {
        // Replace number of pages
        for($n=1;$n<=$nb;$n++)
                $this->pages[$n] =
str_replace($this->AliasNbPages,$nb,$this-
>pages[$n]);
    }
    if($this->DefOrientation=='P')
    {
        $wPt = $this->DefPageSize[0]*$this->k;
        $hPt = $this->DefPageSize[1]*$this->k;
    }
    else
```

```php
        {
                $wPt = $this->DefPageSize[1]*$this->k;
                $hPt = $this->DefPageSize[0]*$this->k;
        }
        $filter = ($this->compress) ? '/Filter /FlateDecode
' : '';
        for($n=1;$n<=$nb;$n++)
        {
                // Page
                $this->_newobj();
                $this->_out('<</Type /Page');
                $this->_out('/Parent 1 0 R');
                if(isset($this->PageSizes[$n]))
                        $this->_out(sprintf('/MediaBox [0 0
%.2F %.2F]',$this->PageSizes[$n][0],$this-
>PageSizes[$n][1]));
                $this->_out('/Resources 2 0 R');
                if(isset($this->PageLinks[$n]))
                {
                        // Links
                        $annots = '/Annots [';
                        foreach($this->PageLinks[$n] as
$pl)
                        {
                                $rect = sprintf('%.2F %.2F
%.2F %.2F',$pl[0],$pl[1],$pl[0]+$pl[2],$pl[1]-$pl[3]);
                                $annots .= '<</Type
/Annot /Subtype /Link /Rect ['.$rect.'] /Border [0 0 0]
';
                                if(is_string($pl[4]))
                                        $annots .= '/A
<</S /URI /URI '.$this->_textstring($pl[4]).'>>>>';
                                else
                                {
                                        $l = $this-
>links[$pl[4]];
                                        $h = isset($this-
>PageSizes[$l[0]]) ? $this->PageSizes[$l[0]][1] : $hPt;
                                        $annots .=
sprintf('/Dest [%d 0 R /XYZ 0 %.2F
null]>>',1+2*$l[0],$h-$l[1]*$this->k);
                                }
                        }
                        $this->_out($annots.']');
                }
                if($this->PDFVersion>'1.3')
                        $this->_out('/Group <</Type
/Group /S /Transparency /CS /DeviceRGB>>');
                $this->_out('/Contents '.($this->n+1).' 0
R>>');
                $this->_out('endobj');
                // Page content
```

```php
                $p = ($this->compress) ? gzcompress($this-
>pages[$n]) : $this->pages[$n];
                $this->_newobj();
                $this->_out('<<'.$filter.'/Length
'.strlen($p).'>>');
                $this->_putstream($p);
                $this->_out('endobj');
        }
        // Pages root
        $this->offsets[1] = strlen($this->buffer);
        $this->_out('1 0 obj');
        $this->_out('<</Type /Pages');
        $kids = '/Kids [';
        for($i=0;$i<$nb;$i++)
                $kids .= (3+2*$i).' 0 R ';
        $this->_out($kids.']');
        $this->_out('/Count '.$nb);
        $this->_out(sprintf('/MediaBox [0 0 %.2F
%.2F]',$wPt,$hPt));
        $this->_out('>>');
        $this->_out('endobj');
}

function _putfonts()
{
        $nf = $this->n;
        foreach($this->diffs as $diff)
        {
                // Encodings
                $this->_newobj();
                $this->_out('<</Type /Encoding
/BaseEncoding /WinAnsiEncoding /Differences
['.$diff.']>>');
                $this->_out('endobj');
        }
        foreach($this->FontFiles as $file=>$info)
        {
                // Font file embedding
                $this->_newobj();
                $this->FontFiles[$file]['n'] = $this->n;
                $font = file_get_contents($this-
>fontpath.$file,true);
                if(!$font)
                        $this->Error('Font file not found:
'.$file);
                $compressed = (substr($file,-2)=='.z');
                if(!$compressed && isset($info['length2']))
                        $font =
substr($font,6,$info['length1']).substr($font,6+$info[
'length1']+6,$info['length2']);
                $this->_out('<</Length '.strlen($font));
                if($compressed)
                        $this->_out('/Filter /FlateDecode');
```

```
        $this->_out('/Length1 '.$info['length1']);                    $s = '[';
        if(isset($info['length2']))                                   for($i=32;$i<=255;$i++)
                $this->_out('/Length2                                          $s .= $cw[chr($i)].' ';
'.$info['length2'].' /Length3 0');                                    $this->_out($s.']');
        $this->_out('>>');                                            $this->_out('endobj');
        $this->_putstream($font);                                     // Descriptor
        $this->_out('endobj');                                        $this->_newobj();
    }                                                                 $s = '<</Type /FontDescriptor
    foreach($this->fonts as $k=>$font)                       /FontName /'.$name;
    {                                                                 foreach($font['desc'] as $k=>$v)
        // Font objects                                                       $s .= ' /'.$k.' '.$v;
        $this->fonts[$k]['n'] = $this->n+1;                           if(!empty($font['file']))
        $type = $font['type'];                                                $s .= '
        $name = $font['name'];                              /FontFile'.($type=='Type1' ? '' : '2').' '.$this-
        if($type=='Core')                                   >FontFiles[$font['file']]['n'].' 0 R';
        {                                                             $this->_out($s.'>>');
                // Core font                                          $this->_out('endobj');
                $this->_newobj();                                 }
                $this->_out('<</Type /Font');                     else
                $this->_out('/BaseFont /'.$name);                 {
                $this->_out('/Subtype /Type1');                           // Allow for additional types
                if($name!='Symbol' &&                                     $mtd = '_put'.strtolower($type);
$name!='ZapfDingbats')                                                    if(!method_exists($this,$mtd))
                        $this->_out('/Encoding                                    $this->Error('Unsupported
/WinAnsiEncoding');                                         font type: '.$type);
                $this->_out('>>');                                        $this->$mtd($font);
                $this->_out('endobj');                            }
        }                                                     }
        elseif($type=='Type1' || $type=='TrueType')      }
        {
                // Additional Type1 or                       function _putimages()
TrueType/OpenType font                                       {
                $this->_newobj();                                foreach(array_keys($this->images) as $file)
                $this->_out('<</Type /Font');                    {
                $this->_out('/BaseFont /'.$name);                    $this->_putimage($this->images[$file]);
                $this->_out('/Subtype /'.$type);                     unset($this->images[$file]['data']);
                $this->_out('/FirstChar 32                           unset($this->images[$file]['smask']);
/LastChar 255');                                                 }
                $this->_out('/Widths '.($this-              }
>n+1).' 0 R');
                $this->_out('/FontDescriptor               function _putimage(&$info)
'.($this->n+2).' 0 R');                                      {
                if(isset($font['diffn']))                        $this->_newobj();
                        $this->_out('/Encoding                   $info['n'] = $this->n;
'.($nf+$font['diffn']).' 0 R');                                  $this->_out('<</Type /XObject');
                else                                             $this->_out('/Subtype /Image');
                        $this->_out('/Encoding                   $this->_out('/Width '.$info['w']);
/WinAnsiEncoding');                                              $this->_out('/Height '.$info['h']);
                $this->_out('>>');                               if($info['cs']=='Indexed')
                $this->_out('endobj');                               $this->_out('/ColorSpace [/Indexed
                // Widths                                  /DeviceRGB '.(strlen($info['pal'])/3-1).' '.($this-
                $this->_newobj();                          >n+1).' 0 R]');
                $cw = &$font['cw'];                              else
```

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```php
        {
            $this->_out('/ColorSpace /'.$info['cs']);
            if($info['cs']=='DeviceCMYK')
                    $this->_out('/Decode [1 0 1 0 1 0 1 0]');
        }
        $this->_out('/BitsPerComponent '.$info['bpc']);
        if(isset($info['f']))
                $this->_out('/Filter /'.$info['f']);
        if(isset($info['dp']))
                $this->_out('/DecodeParms <<'.$info['dp'].'>>');
        if(isset($info['trns']) && is_array($info['trns']))
        {
                $trns = '';
                for($i=0;$i<count($info['trns']);$i++)
                        $trns .= $info['trns'][$i].' '.$info['trns'][$i].' ';
                $this->_out('/Mask ['.$trns.']');
        }
        if(isset($info['smask']))
                $this->_out('/SMask '.($this->n+1).' 0 R');
        $this->_out('/Length '.strlen($info['data']).'>>');
        $this->_putstream($info['data']);
        $this->_out('endobj');
        // Soft mask
        if(isset($info['smask']))
        {
                $dp = '/Predictor 15 /Colors 1 /BitsPerComponent 8 /Columns '.$info['w'];
                $smask = array('w'=>$info['w'],
'h'=>$info['h'], 'cs'=>'DeviceGray', 'bpc'=>8,
'f'=>$info['f'], 'dp'=>$dp, 'data'=>$info['smask']);
                $this->_putimage($smask);
        }
        // Palette
        if($info['cs']=='Indexed')
        {
                $filter = ($this->compress) ? '/Filter /FlateDecode ' : '';
                $pal = ($this->compress) ?
gzcompress($info['pal']) : $info['pal'];
                $this->_newobj();
                $this->_out('<<'.$filter.'/Length '.strlen($pal).'>>');
                $this->_putstream($pal);
                $this->_out('endobj');
        }
}

function _putxobjectdict()
{
    foreach($this->images as $image)
```

```php
        $this->_out('/I'.$image['i'].' '.$image['n'].' 0 R');
}

function _putresourcedict()
{
    $this->_out('/ProcSet [/PDF /Text /ImageB /ImageC /ImageI]');
    $this->_out('/Font <<');
    foreach($this->fonts as $font)
            $this->_out('/F'.$font['i'].' '.$font['n'].' 0 R');
    $this->_out('>>');
    $this->_out('/XObject <<');
    $this->_putxobjectdict();
    $this->_out('>>');
}

function _putresources()
{
    $this->_putfonts();
    $this->_putimages();
    // Resource dictionary
    $this->offsets[2] = strlen($this->buffer);
    $this->_out('2 0 obj');
    $this->_out('<<');
    $this->_putresourcedict();
    $this->_out('>>');
    $this->_out('endobj');
}

function _putinfo()
{
    $this->_out('/Producer '.$this->_textstring('FPDF '.FPDF_VERSION));
    if(!empty($this->title))
            $this->_out('/Title '.$this->_textstring($this->title));
    if(!empty($this->subject))
            $this->_out('/Subject '.$this->_textstring($this->subject));
    if(!empty($this->author))
            $this->_out('/Author '.$this->_textstring($this->author));
    if(!empty($this->keywords))
            $this->_out('/Keywords '.$this->_textstring($this->keywords));
    if(!empty($this->creator))
            $this->_out('/Creator '.$this->_textstring($this->creator));
    $this->_out('/CreationDate '.$this->_textstring('D:'.@date('YmdHis')));
}
```

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```php
function _putcatalog()
{
    $this->_out('/Type /Catalog');
    $this->_out('/Pages 1 0 R');
    if($this->ZoomMode=='fullpage')
            $this->_out('/OpenAction [3 0 R /Fit]');
    elseif($this->ZoomMode=='fullwidth')
            $this->_out('/OpenAction [3 0 R /FitH
null]');
    elseif($this->ZoomMode=='real')
            $this->_out('/OpenAction [3 0 R /XYZ null
null 1]');
    elseif(!is_string($this->ZoomMode))
            $this->_out('/OpenAction [3 0 R /XYZ null
null '.sprintf('%.2F',$this->ZoomMode/100).']');
    if($this->LayoutMode=='single')
            $this->_out('/PageLayout /SinglePage');
    elseif($this->LayoutMode=='continuous')
            $this->_out('/PageLayout /OneColumn');
    elseif($this->LayoutMode=='two')
            $this->_out('/PageLayout
/TwoColumnLeft');
}

function _putheader()
{
    $this->_out('%PDF-'.$this->PDFVersion);
}

function _puttrailer()
{
    $this->_out('/Size '.($this->n+1));
    $this->_out('/Root '.$this->n.' 0 R');
    $this->_out('/Info '.($this->n-1).' 0 R');
}

function _enddoc()
{
    $this->_putheader();
    $this->_putpages();
    $this->_putresources();
    // Info
    $this->_newobj();
    $this->_out('<<');
    $this->_putinfo();
    $this->_out('>>');
    $this->_out('endobj');
    // Catalog
    $this->_newobj();
    $this->_out('<<');
    $this->_putcatalog();
    $this->_out('>>');
    $this->_out('endobj');
    // Cross-ref
    $o = strlen($this->buffer);
    $this->_out('xref');
    $this->_out('0 '.($this->n+1));
    $this->_out('0000000000 65535 f ');
    for($i=1;$i<=$this->n;$i++)
            $this->_out(sprintf('%010d 00000 n ',$this-
>offsets[$i]));
    // Trailer
    $this->_out('trailer');
    $this->_out('<<');
    $this->_puttrailer();
    $this->_out('>>');
    $this->_out('startxref');
    $this->_out($o);
    $this->_out('%%EOF');
    $this->state = 3;
}
// End of class
}

// Handle special IE contype request
if(isset($_SERVER['HTTP_USER_AGENT']) &&
$_SERVER['HTTP_USER_AGENT']=='contype')
{
    header('Content-Type: application/pdf');
    exit;
}

?>
```

fpdf_test.php

```php
<?php
session_start();
require('fpdf.php');


$name = $_SESSION['firstname']." ".
    $_SESSION['lastname'];
if(isset($_GET['title'])){
    $title = $_GET['title'];
}

if(isset($_POST['report_title'])){
    $title = $_POST['report_title'];
}
if(isset($_POST['event_title'])){
    $event_title_arr = $_POST['event_title'];
}
class PDF extends FPDF
{
function Header()
```

```php
{
    if ( $this->PageNo() == 1 ) {
    $this->Image('images/ndrrmc_logo.png',10,6,30);
    $this->SetFont('Arial','B',15);
    $this->Cell(10);
    $this->MultiCell(0,10,'NATIONAL DISASTER RISK
REDUCTION
    AND MANAGEMENT COUNCIL', 0, 'C' , false);
    $this->Line(30, 30, 180, 30);
    $this->Ln(5);
    }
}

function Footer()
{
    $this->SetY(-15);
    $this->SetFont('Arial','',12);
    $this->Cell(0,10,$this->PageNo(),0,0,'C');
}

function MultiCellBltArray($w, $h, $blt_array,
$border=0, $align='L', $fill=0)
    {
        if (!is_array($blt_array))
        {
            die('MultiCellBltArray requires an array with
the following keys: bullet, margin, text, indent,
spacer');
            exit;
        }

        $bak_x = $this->x;
        for ($i=0; $i<sizeof($blt_array['text']); $i++)
        {
            $blt_width = $this-
>GetStringWidth($blt_array['bullet'] .
$blt_array['margin'])+$this->cMargin*2;
            $this->SetX($bak_x);
            if ($blt_array['indent'] > 0)
                $this->Cell($blt_array['indent']);
            $this->Cell($blt_width, $h, $blt_array['bullet']
. $blt_array['margin'], 0, '', $fill);
            $this->MultiCell($w-$blt_width, $h,
$blt_array['text'][$i], $border, $align, $fill);
            if ($i != sizeof($blt_array['text'])-1)
                $this->Ln($blt_array['spacer']);
            if (is_numeric($blt_array['bullet']))
                $blt_array['bullet']++;
        }
    $this->x = $bak_x;
    }

function BlueBG($label)
```

```php
{
    $this->SetFont('Arial','',12);
    $this->SetFillColor(200,220,255);
    $this->Cell(0,6,"$label",0,1,'L',true);
    $this->Ln(4);
}

function RedBG($label)
{
    $this->SetFont('Arial','',12);
    $this->SetFillColor(255,220,200);
    $this->Cell(0,6,"$label",0,1,'L',true);
    $this->Ln(4);
}
}

$pdf = new PDF();
$pdf->SetTitle($title);
$pdf->AddPage();
$pdf->SetFont('Arial','',12);

$current_date=date('j F Y, h:i:s A');

$pdf->MultiCell(0,10,$title, 0, 'C' , false);
$pdf->MultiCell(0,10,'REPORT AUTHOR: '.$name, 0,
'L' , false);
$pdf->Cell(0,10,'REPORT DATE: '.$current_date,0,1);
$pdf->Line(10, 64, 200, 64);
$pdf->Ln(2);

$event_count = 1;
foreach($event_title_arr as $event_title){
    $pdf->RedBG($event_count.". ".$event_title);

    $pdf->BlueBG('SITUATION OVERVIEW:');
    $overview_bullet_arr =
$_POST['overview_'.$event_count];
    $test1 = array();
    $test1['bullet'] = chr(149);
    $test1['margin'] = ' ';
    $test1['indent'] = 0;
    $test1['spacer'] = 0;
    $test1['text'] = array();
    $i = 0;
    foreach($overview_bullet_arr as
$overview_bullet){
        $test1['text'][$i] = $overview_bullet;
        $i++;
    }
    $pdf->SetX(10);
    $column_width = $pdf->w-30;
    $pdf->MultiCellBltArray($column_width-$pdf->x,
6, $test1);
```

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```php
    $pdf->Ln(5);


    $pdf->BlueBG('ACTIONS TAKEN:');
    $action_bullet_arr =
$_POST['action_'.$event_count];
    $test1 = array();
    $test1['bullet'] = chr(149);
    $test1['margin'] = ' ';
    $test1['indent'] = 0;
    $test1['spacer'] = 0;
    $test1['text'] = array();
    $i = 0;
    foreach($action_bullet_arr as $action_bullet){
        $test1['text'][$i] = $action_bullet;
        $i++;
    }
    $pdf->SetX(10);
    $column_width = $pdf->w-30;
    $pdf->MultiCellBltArray($column_width-$pdf->x,
6, $test1);
    $pdf->Ln(5);

    $event_count++;
}

$pdf->Line(10, $pdf->GetY(), 200, $pdf->GetY());

$pdf->Output($title.".pdf", "I");
?>
```

generate_new_event.php
```php
<?php
    require("header.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }


    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $region_qry = mysql_query("SELECT *
FROM region
                WHERE id = '".$location_arr[1]."'");
        $region = mysql_fetch_array($region_qry);
        return $region['short_name']."
(".$region['region_name'].")";
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return implode(", ",$location_labels);
    }
    else{
        return "all regions";
    }
    }


    $title        = clean($_POST['title']);
    $raw_description        =
($_POST['description']);
    $description        =
clean($_POST['description']);
    $location        = clean($_POST['location']);


    $post_qry = "INSERT INTO event (title,
description, creater, location)
        VALUES('$title', '$description',
'".$_SESSION['user_id']."', '$location')";
    $result = mysql_query($post_qry);

    if(mysql_error()){
        echo mysql_error()."<br/>";
        require("footer.php");
        exit;
    }

    $location_label = getLocationLabels($location);
?>

    Create New Event<br/>
    <div id="line"></div>

    Your event has bee successfully created with the
following information:<br/><br/>
    Title: <?php echo $title; ?><br/>
    Description:<br/>
    <?php echo nl2br($raw_description);
?><br/><br/>

    Location: <?php echo
$location_label;?><br/><br/>
```

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```php
    <form method = "post"
action="create_announcement.php">
    <input type="hidden" name="subject"
value="<?php echo $title; ?>">
<?php
    $event_qry = mysql_query("SELECT * FROM
event
        WHERE title = '$title' AND
        description = '$description' AND
        creater = '".$_SESSION['user_id']."' AND
        location = '$location'");
    $event = mysql_fetch_array($event_qry);
    $message = "$title at $location_label on
".$event['date_started']."

$raw_description";
?>  <input type="hidden" name="message"
value="<?php echo $message; ?>">
    <input type="hidden" name="event_id"
value="event">
    <input type="submit" value="Post an
announcement about this event">
    </form>
    <br/><br/>
<?php
    require("footer.php");
?>
```

generate_report.php
```php
<?php
    require("header.php");
    require("authenticator_functions.php");
    require("clean.php");
    require('fpdf.php');

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }



$name = $_SESSION['firstname']." ".
    $_SESSION['lastname'];
if(isset($_GET['title'])){
    $title = $_GET['title'];
}
```

```php
if(isset($_POST['report_title'])){
    $title = $_POST['report_title'];
}
if(isset($_POST['event_title'])){
    $event_title_arr = $_POST['event_title'];
}


class PDF extends FPDF{
function Header(){
    if ( $this->PageNo() == 1 ) {
    $this->Image('images/ndrrmc_logo.png',10,6,30);
    $this->SetFont('Arial','B',15);
    $this->Cell(10);
    $this->MultiCell(0,10,'NATIONAL DISASTER RISK
REDUCTION
    AND MANAGEMENT COUNCIL', 0, 'C' , false);
    $this->Line(30, 30, 180, 30);
    $this->Ln(5);
    }
}

function Footer(){
    $this->SetY(-15);
    $this->SetFont('Arial','',12);
    $this->Cell(0,10,$this->PageNo(),0,0,'C');
}

function MultiCellBltArray($w, $h, $blt_array,
$border=0, $align='L', $fill=0){
    if (!is_array($blt_array))
    {
        die('MultiCellBltArray requires an array with
the following keys: bullet, margin, text, indent,
spacer');
        exit;
    }

    $bak_x = $this->x;

    for ($i=0; $i<sizeof($blt_array['text']); $i++)
    {
        $blt_width = $this-
>GetStringWidth($blt_array['bullet'] .
$blt_array['margin'])+$this->cMargin*2;
        $this->SetX($bak_x);
        if ($blt_array['indent'] > 0)
            $this->Cell($blt_array['indent']);
        $this->Cell($blt_width, $h, $blt_array['bullet']
. $blt_array['margin'], 0, '', $fill);
        $this->MultiCell($w-$blt_width, $h,
$blt_array['text'][$i], $border, $align, $fill);
        if ($i != sizeof($blt_array['text'])-1)
```

```php
        $this->Ln($blt_array['spacer']);
        if (is_numeric($blt_array['bullet']))
            $blt_array['bullet']++;
    }
  $this->x = $bak_x;
  }

function BlueBG($label){
   $this->SetFont('Arial','',12);
   $this->SetFillColor(200,220,255);
   $this->Cell(0,6,"$label",0,1,'L',true);
   $this->Ln(4);
}

function RedBG($label){
   $this->SetFont('Arial','',12);
   $this->SetFillColor(255,220,200);
   $this->Cell(0,6,"$label",0,1,'L',true);
   $this->Ln(4);
}

}

$pdf = new PDF();
$report_date = date("Y-m-d_H-i-s");
$clean_title = str_replace("
","_",$title)."_".$report_date;
$pdf->SetTitle($clean_title.".pdf");
$pdf->AddPage();
$pdf->SetFont('Arial','',12);

$current_date=date('j F Y, h:i:s A');

$pdf->MultiCell(0,10,$title, 0, 'C' , false);
$pdf->MultiCell(0,10,'REPORT AUTHOR: '.$name, 0,
'L' , false);
$pdf->Cell(0,10,'REPORT DATE: '.$current_date,0,1);
$pdf->Line(10, 64, 200, 64);
$pdf->Ln(2);

$event_count = 1;
foreach($event_title_arr as $event_title){
    $pdf->RedBG($event_count.". ".$event_title);

    $pdf->BlueBG('SITUATION OVERVIEW:');
    $overview_bullet_arr =
$_POST['overview_'.$event_count];
    $test1 = array();
    $test1['bullet'] = chr(149);
    $test1['margin'] = ' ';
    $test1['indent'] = 0;
    $test1['spacer'] = 0;
    $test1['text'] = array();
    $i = 0;
    foreach($overview_bullet_arr as
$overview_bullet){
        $test1['text'][$i] = $overview_bullet;
        $i++;
    }
    $pdf->SetX(10);
    $column_width = $pdf->w-30;
    $pdf->MultiCellBltArray($column_width-$pdf->x,
6, $test1);
    $pdf->Ln(5);


    $pdf->BlueBG('ACTIONS TAKEN:');
    $action_bullet_arr =
$_POST['action_'.$event_count];
    $test1 = array();
    $test1['bullet'] = chr(149);
    $test1['margin'] = ' ';
    $test1['indent'] = 0;
    $test1['spacer'] = 0;
    $test1['text'] = array();
    $i = 0;
    foreach($action_bullet_arr as $action_bullet){
        $test1['text'][$i] = $action_bullet;
        $i++;
    }
    $pdf->SetX(10);
    $column_width = $pdf->w-30;
    $pdf->MultiCellBltArray($column_width-$pdf->x,
6, $test1);
    $pdf->Ln(5);

    $event_count++;
}

$pdf->Line(10, $pdf->GetY(), 200, $pdf->GetY());

$dir = "generated_reports/";
$pdf->Output($dir.$clean_title.".pdf", 'F');

if(isset($_POST['pure_title'])){
    $pure_title = $_POST['pure_title'];
}
$report_record = mysql_query("INSERT INTO
report_record
    (title, report_title, report_maker_id) VALUES
    ('$pure_title', '$clean_title.pdf',
'".$_SESSION['user_id']."')");

$report_record_qry = mysql_query("SELECT * FROM
report_record
    WHERE report_title = '$clean_title.pdf' AND
```

```php
    report_maker_id = '".$_SESSION['user_id']."'");

$report_record =
mysql_fetch_array($report_record_qry);
$report_record_id = $report_record['id'];
$i = 1;
$category = "overview";
foreach($overview_bullet_arr as $overview_bullet){
    $report_detail = mysql_query("INSERT INTO
report_detail
    (report_id, sequence_id, category, text) VALUES
    ('$report_record_id', '$i', '$category',
'$overview_bullet')");
    $i++;
}

$category = "action";
foreach($action_bullet_arr as $action_bullet){
    $report_detail = mysql_query("INSERT INTO
report_detail
    (report_id, sequence_id, category, text) VALUES
    ('$report_record_id', '$i', '$category',
'$action_bullet')");
    $i++;
}
?>

    Create DMCS Report
    <div id="line"></div>

    Your report has been created and saved in your
reports log.<br>
    <form action="create_announcement.php"
method="POST">
    <input type="submit" value="View Report PDF"
onClick="this.form.action='<?php echo
$dir.$clean_title.".pdf"; ?>';
this.form.target='_blank';return true;"/>

<?php
    $report_record_qry = mysql_query("SELECT *
FROM report_record
        WHERE report_title = '".$clean_title.".pdf'
AND
        report_maker_id =
'".$_SESSION['user_id']."'");
    $report_record =
mysql_fetch_array($report_record_qry);

    $dir = "generated_reports/";
    echo "<input type=\"hidden\"
name=\"report_id\"
value=\"".$report_record['id']."\"> ";
```

```php
    echo "<input type=\"hidden\"
name=\"report_title\"
value=\"".$report_record['report_title']."\"> ";
    echo "<input type=\"hidden\"
name=\"pure_title\"
value=\"".$report_record['title']."\"> ";
    echo "<input type=\"hidden\"
name=\"report_location\"
value=\"".$dir.$report_record['report_title']."\"> ";

?>
    <input type="submit" value="Publish Report"
onClick="this.form.action='create_announcement.ph
p'; this.form.target='_self';return true;"/><br/><br/>
    </form>
<?php
    require("footer.php");
?>
```

header.php

```php
<?php
session_start();
require("connect_to_db.php");

?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Disaster Management Communication
System</title>
    <meta http-equiv="Content-Type"
content="text/html; charset=iso-8859-1" />
    <link href="style.css" rel="stylesheet"
type="text/css" />
</head>
<body>
<div id="center">
    <div id="header">
        <a href="index.php"><img id="logo"
src="images/ndrrmc_logo.png"  width="180"
height="110" alt="logo" border="0" /></a>
        <img id="headerlabel"
src="images/dmcs_label.png">
        <div id="navtop">
                <a href="index.php">Home</a>

                <a
href="view_public_reports_query.php">Reports</a>
```

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```
            </div>
        </div>
        <div id="content">
        <div id="leftside">
            <div id="members">
                <?php
require("append_login.php");
                ?>
            </div>
        </div>
        <div id="middle">
```

index.php

```php
<?php
    require("header.php");
    require("append_homepage.php");
    require("footer.php");
?>
```

input_request_details.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'prc') &&
!authenticatePosition($user_id, 'dnd')){
        require("view_notice.php");
        exit;
    }

    if(isset($_POST['process_action'])){
        if($_POST['process_action'] == "forward"){
            if(isset($_POST['request_id'])){
                $request_id =
$_POST['request_id'];
                $request_qry =
mysql_query("SELECT * FROM resource_request
                            WHERE id =
'$request_id'");
                $request =
mysql_fetch_array($request_qry);
                $event_id =
$request['event_id'];

                $user_qry =
mysql_query("SELECT * FROM user
```

```
                            WHERE id =
'".$request['requester_id']."'");
                $user =
mysql_fetch_array($user_qry);
                $user_id = $user['id'];

                $position_qry =
mysql_query("SELECT * FROM position
                            WHERE id =
'".$user['position_id']."'");
                $position =
mysql_fetch_array($position_qry);

                $position_label =
$position['label'];

                if($position['position'] ==
"ldrrmc"){
                    $ldrrmc_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
                            WHERE
user_id = '$user_id'");
                    $ldrrmc =
mysql_fetch_array($ldrrmc_qry);

                    $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit
                            WHERE
id = '".$ldrrmc['lgu_id']."'");
                    $lgu =
mysql_fetch_array($lgu_qry);
                    $position_label =
$lgu['lgu_name']." ".$position_label;
                }

                if($position['position'] ==
"ldrrmc"){
                    $rdrrmc_qry =
mysql_query("SELECT * FROM rdrrmc_region
                            WHERE
user_id = '$user_id'");
                    $rdrrmc =
mysql_fetch_array($rdrrmc_qry);

                    $region_qry =
mysql_query("SELECT * FROM region
                            WHERE
id = '".$rdrrmc['region_id']."'");
                    $region =
mysql_fetch_array($region_qry);
                    $position_label =
$region['short_name']." ".$position_label;
```

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```php
                            }
                                $original_sender =
$user['first_name']." ".$user['last_name']."
($position_label)";
                        }
                    }
            }

?>

    Create Resource Request
    <div id="line"></div>
    <form action="create_resource_request.php"
method="POST">
    <input type="hidden" name="requester_id"
value="<?php echo($_SESSION['user_id']); ?>">
<?php
    if(isset($_POST['process_action'])){
            echo "<input type=\"hidden\"
name=\"process_action\"
value=\"".$_POST['process_action']."\" />";
            echo "<input type=\"hidden\"
name=\"request_id\"
value=\"".$_POST['request_id']."\" />";
    }
?>
    <table>
    <tr>
    <td>
    Event:
    </td>
    <td>
<?php
    if(isset($event_id)){
            $event_qry = mysql_query("SELECT * FROM
event
            WHERE id = '$event_id'");
            $event = mysql_fetch_array($event_qry);
            $event_id = $event['id'];
            $event_title = $event['title'];
            echo "$event_title";
            echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\">";
    }
    elseif(isset($_POST['event_id'])){
            $event_qry = mysql_query("SELECT * FROM
event
            WHERE id = '".$_POST['event_id']."'");
            $event = mysql_fetch_array($event_qry);
            $event_id = $event['id'];
            $event_title = $event['title'];
            echo "$event_title";

            echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\">";
    }
    else{
    if($_SESSION['position'] == "ldrrmc"){
            $ldrrmc_lgu_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE
                user_id =
'".$_SESSION['user_id']."'");
            $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);
            $event_qry = mysql_query("SELECT * FROM
event WHERE
                location =
'lgu;".$ldrrmc_lgu['lgu_id']."'");
    }
    elseif($_SESSION['position'] == "rdrrmc"){
            $rdrrmc_region_qry = mysql_query("SELECT
* FROM rdrrmc_region WHERE
                user_id =
'".$_SESSION['user_id']."'");
            $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

            $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
            $lgu_id_arr = array();

            while($lgu = mysql_fetch_array($lgu_qry)){
                    array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
            }
            $lgu_str = " , ".implode(", ", $lgu_id_arr);
            $event_qry = mysql_query("SELECT * FROM
event WHERE
                location IN
('region;".$rdrrmc_region['region_id']."'$lgu_str)");
    }
    else{
            $event_qry = mysql_query("SELECT * FROM
event");
    }

    echo("<select name = \"event_id\" required =
\"required\">");
    while($event = mysql_fetch_array($event_qry)){
            echo "<option value=\"".$event['id']."\">";
            echo $event['title'];
            echo "</option>";
    }
    echo " </select>";
```

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```php
                }
?>
    </td>
    <tr>
    <tr>
    <td>
    Resource:
    </td>
    <td>
    <?php
        if(isset($request)){
                echo "<input type=\"hidden\"
name=\"resource\"
value=\"".$request['resource']."\">";
                echo $request['resource'];
        }
        else{
    ?>
    <select name="resource">
        <option
value="manpower">Manpower</option>
        <option
value="material">Material</option>
    </select>
    <?php
        }
    ?>
    </td>
    </tr>
    <tr>
    <td>
    Quantity:
    </td>
    <td>
    <input type="number" name="quantity" min="1"
    <?php
    if(isset($request)){
    echo "value=\"".($request['quantity'] -
$request['response_quantity'])."\"";
    }
    else{
    echo "value=\"1\"";
    }
    ?>
    " required = "required" />
    </td>
    </tr>
    <tr>
    <td>
    Recipient:
    </td>
    <td>
    <select name ="recipient">
```

```php
<?php
    $position = $_SESSION['position'];
    if($position == 'ldrrmc'){
        $user_lgu_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $user_lgu =
mysql_fetch_array($user_lgu_qry);
        $lgu_id = $user_lgu['lgu_id'];

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE id = '".$lgu_id."'");
        $lgu = mysql_fetch_array($lgu_qry);
        $region_id = $lgu['region_id'];
        $region_qry = mysql_query("SELECT *
FROM region
                WHERE id = '".$region_id."'");
        $region = mysql_fetch_array($region_qry);

        $rdrrmc_region_qry = mysql_query("SELECT
* FROM rdrrmc_region
                WHERE region_id =
'".$region_id."'");
        while($rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry)){
                $user_id =
$rdrrmc_region['user_id'];
                $user_qry = mysql_query("SELECT
* FROM user
                WHERE id = '".$user_id."'");
                $user =
mysql_fetch_array($user_qry);
?>
                <option value="<?php echo
$user_id; ?>">
                        <?php echo
$user['first_name']." ".$user['last_name']."
(".$region['short_name'];?> RDRRMC) officer
                </option>
<?php
        }
    }
    elseif($position == 'rdrrmc'){
        $user_region_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $user_region =
mysql_fetch_array($user_region_qry);
        $user_region_id =
$user_region['region_id'];
```

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```php
        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$user_region_id."'");
        if(mysql_num_rows($lgu_qry) > 0){
        while($lgu = mysql_fetch_array($lgu_qry)){
                $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
                        WHERE lgu_id =
'".$lgu['id']."'");
                while($ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry)){
                        $ldrrmc_qry =
mysql_query("SELECT * FROM user
                                WHERE id =
'".$ldrrmc_lgu['user_id']."'");
                        $ldrrmc =
mysql_fetch_array($ldrrmc_qry);
?>
        <option value = "<?php echo $ldrrmc['id'];
?>">
        <?php echo $ldrrmc['first_name']."
".$ldrrmc['last_name']." (".$lgu['lgu_name']; ?>
LDRRMC officer)
        </option>
<?php
                }
        }
        }

        $position_qry = mysql_query("SELECT *
FROM position
                WHERE position = 'ndrrmc'");
        $position =
mysql_fetch_array($position_qry);
        $position_id = $position['id'];
        $ndrrmc_user_qry = mysql_query("SELECT
* FROM user
                WHERE position_id = '$position_id'
AND status = 'activated'");
        while($ndrrmc_user =
mysql_fetch_array($ndrrmc_user_qry)){
?>
        <option value="<?php echo
$ndrrmc_user['id']; ?>">
        <?php echo $ndrrmc_user['first_name']."
".$ndrrmc_user['last_name']; ?>(NDRRMC officer)
        </option>
<?php
        }
    }
    elseif($position == 'ndrrmc'){
```

```php
        $position_qry = mysql_query("SELECT *
FROM position
                WHERE position = 'rdrrmc'");
        $position =
mysql_fetch_array($position_qry);
        $position_id = $position['id'];
        $rdrrmc_user_qry = mysql_query("SELECT *
FROM user
                WHERE position_id = '$position_id'
AND status = 'activated'");
        while($rdrrmc_user =
mysql_fetch_array($rdrrmc_user_qry)){
                $rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
                        WHERE user_id =
'".$rdrrmc_user['id']."'");
                $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);
                $region_qry =
mysql_query("SELECT * FROM region
                        WHERE id =
'".$rdrrmc_region['region_id']."'");
                $region =
mysql_fetch_array($region_qry);
        ?>
        <option value="<?php echo
$rdrrmc_user['id'];?>">
                <?php echo
$rdrrmc_user['first_name']."
".$rdrrmc_user['last_name']."
(".$region['short_name']; ?> RDRRMC officer)
        </option>
<?php
        }
    }

    $prc_qry = mysql_query("SELECT * FROM
position
        WHERE position = 'prc'");
    $prc = mysql_fetch_array($prc_qry);
    $prc_id = $prc['id'];

    $dnd_qry = mysql_query("SELECT * FROM
position
        WHERE position = 'dnd'");
    $dnd = mysql_fetch_array($dnd_qry);
    $dnd_id = $dnd['id'];

    $prc_dnd_qry = mysql_query("SELECT * FROM
user
        WHERE (position_id = '$prc_id' OR
position_id = '$dnd_id') AND status = 'activated'");
```

```php
    while($user =
mysql_fetch_array($prc_dnd_qry)){
    $position_qry = mysql_query("SELECT * FROM
position
        WHERE id = '".$user['position_id']."'");
    $position = mysql_fetch_array($position_qry);

    echo "<option value=\"".$user['id']."\">".
                $user['first_name']."
".$user['last_name']." (".$position['label'].")
        </option>";
    }
?>
    </select>
    </td>
    </tr>
    </table>
    Remarks:<br/>
    <textarea name = "remarks" rows="10" cols="40"
required = "required" text-align = "left">
<?php if(isset($request)){ echo "Forwarded from
$original_sender: ".$request['remarks']; }
?></textarea><br/><br/>
    <input type="SUBMIT" name = "SUBMIT"
value="Send Request" />
    </form>

<?php
    require("footer.php");
?>
```

input_sms_message.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')
        && !authenticatePosition($user_id, 'dnd')
&& !authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

    function showMessageForm(){
        $table_name = "manpower";
        if(isset($_POST['table_name'])){
                $table_name =
$_POST['table_name'];
```

```php
    }
    echo("
            <form action=\"send_sms.php\"
method=\"POST\">
            <input type=\"hidden\"
name=\"table_name\" value=\"$table_name\">
            <input type=\"hidden\"
name=\"prev_path\"
value=\"select_message_recipients.php\">

            <!--
            To: <input type = \"text\" name =
\"recipients\" size = \"40\" maxlength = \"100\"
required = \"required\"><br/>
            -->
        ");

    $recipient_arr = array();
    if(isset($_POST['manpower'])){
            $arr = $_POST['manpower'];
    }
    elseif(isset($_POST['recipient'])){
            $arr = $_POST['recipient'];
    }
    foreach($arr as $recipient_id){
            $recipient_qry =
mysql_query("SELECT * FROM $table_name WHERE
id = '$recipient_id'");
            $recipient =
mysql_fetch_array($recipient_qry);
            if(isset($recipient['first_name'])){
                    $name =
$recipient['first_name']." ";
            }
            if(isset($recipient['last_name'])){
                    $name =
$name.$recipient['last_name'];
            }
            if(isset($recipient['name'])){
                    $name =
$recipient['name'];
            }
            array_push($recipient_arr, "$name
<".$recipient['contact_number'].">");
            echo("<input type=\"hidden\"
name=\"recipient[]\" value=\"$recipient_id\">");

    }

    echo(implode('; ', $recipient_arr)."<br/>");

    echo("
```

```php
                    <textarea name = \"message\"
rows=\"20\" cols=\"50\" required = \"required\"
text-align = \"left\"
maxlength=\"150\"></textarea><br/>
                    <input type=\"SUBMIT\" name =
\"SUBMIT\" value=\"Send\" />
                </form>
        ");
    }

    if(!isset($_POST['manpower']) &&
!isset($_POST['recipient'])){
        echo("No recipients were chosen.<br/>");
        echo("<a href = \"index.php\"
>Home</a><br/>");
        require("footer.php");
        exit;
    }

    if(count($_POST['manpower']) < 1 &&
count($_POST['recipient']) < 1){
        echo("No recipients were chosen.<br/>");
        echo("<a href = \"index.php\"
>Home</a><br/>");
        require("footer.php");
        exit;
    }

    echo("Send SMS Message");
    echo ("<div id=\"line\"></div>");
    $message = "Send a message to:<br/>";
    echo $message;
    showMessageForm();

    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
        echo("<br/><br/>");
    }

    require("footer.php");
?>
```

input_user_details.php

```php
<?php

    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
```

```php
    if(!authenticatePosition($user_id, 'admin')){
        require("view_notice.php");
        exit;
    }

    $positions = mysql_query("SELECT * FROM
position");
    $region_qry = mysql_query("SELECT * FROM
region");
    $lgu_qry = mysql_query("SELECT * FROM
local_government_unit");
?>
    <script src="http://code.jquery.com/jquery-
latest.js"></script>

    Create New User Account
    <div id="line"></div>

    <form action="create_new_user.php"
method="POST">
    <table>
        <tr>
                <td>
                        Username:
                </td>
                <td>
                        <input type = "text" id =
"inputForms" name = "UNAME" size = "30"
maxlength = "30" required = "required">
                </td>
        </tr>
        <tr>
                <td>
                        Password:
                </td>
                <td>
                        <input type = "password"
id = "inputForms" name = "PASS" size = "30"
maxlength = "20" required = "required">
                </td>
        </tr>
        <tr>
                <td>
                        Last Name:
                </td>
                <td>
                        <input type = "text" id =
"formFillCell" name = "LNAME" required =
"required">
                </td>
        </tr>
        <tr>
                <td>
```

```
                        First Name:
                </td>
                <td>
                        <input type = "text" id =
"formFillCell" name = "FNAME" required =
"required">
                </td>
        </tr>
        <tr>
                <td>
                        Position:
                </td>
                <td>
                        <select name="POSITION"
id="position">
                                <?php
while($row = mysql_fetch_array($positions)){ ?>
                                <option
value="<?php echo $row['position']; ?>">
                                <?php echo
$row['label']; ?>
                                </option>
                                <?php } ?>
                        </select><br/>
                </td>
        </tr>
        <tr id="region_row">
                <td>
                        Region:
                </td>
                <td>
                        <select name="region"
id="select_region">
                                <?php

    while($region =
mysql_fetch_array($region_qry)){
                                ?>
                                <option
value="<?php echo $region['id']; ?>">
                                <?php echo
$region['region_name']."(".$region['short_name'].")"
;
                                ?>
                                </option>
                                <?php } ?>

                        </select>
                </td>
        </tr>
        <tr id="lgu_row">
                <td>
                        Local government unit:
```

```
                </td>
                <td>
                        <select name="lgu"
id="select_lgu">
                                <?php

        while($lgu = mysql_fetch_array($lgu_qry)){
                                ?>
                                <option
value="<?php echo $lgu['id']; ?>">
                                <?php echo
$lgu['lgu_name']; ?>
                                </option>
                                <?php } ?>
                        </select>

                </td>
        </tr>
    </table><br/>

    <input name="SUBMIT" type="SUBMIT"
id="ADD" value="Create User" /><br/>

    </form>


<script type="text/javascript">
$('#position').change(function () {
 var val_str = $("select option:selected").val();
 if(val_str === "rdrrmc"){
                if( $('#lgu_row').is(':visible') ){
                        $("#lgu_row").hide();
                }
                $("#region_row").show();
        }
     else if(val_str === "ldrrmc"){
                if( $('#region_row').is(':visible') ){
                        $("#region_row").hide();
                }
                $("#lgu_row").show();
        }
        else{
                if( $('#lgu_row').is(':visible') ){
                        $("#lgu_row").hide();
                }
                if( $('#region_row').is(':visible') ){
                        $("#region_row").hide();
                }
        }

})
.change();
</script>
```

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```php
<?php
    require("footer.php");
?>
```

logout.php

```php
<?php
    session_start();
  session_unset();
  session_destroy();
    header("Location: index.php?logout=success");
    exit;
?>
```

manage_events.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $region_qry = mysql_query("SELECT *
FROM region
                WHERE id = '".$location_arr[1]."'");
        $region = mysql_fetch_array($region_qry);
        return $region['short_name']."
(".$region['region_name'].")";
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        $lgu = mysql_fetch_array($lgu_qry);
        return $lgu['lgu_name'];
    }
    else{
        return "all regions";
    }
    }
?>
```

```html
    <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.0/themes/bas
e/jquery-ui.css" />
    <script src="http://code.jquery.com/jquery-
1.8.3.js"></script>
    <script
src="http://code.jquery.com/ui/1.10.0/jquery-
ui.js"></script>
    <link rel="stylesheet"
href="/resources/demos/style.css" />

    <script type="text/javascript">
        $(function() {
                $( "#start_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                        $( "#end_date"
).datepicker( "option", "minDate", selectedDate );
                  }
                });
                $( "#end_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                        $( "#start_date"
).datepicker( "option", "maxDate", selectedDate );
                  }
                });
        });
    </script>
    Manage Events
    <div id="line"></div>
    View the events within the period:<br/>
    <form action="show_events.php"
method="POST">
        Date:
        <input readonly value = "<?php echo
date("Y-m-d", strtotime("-1 month") );?>"
type="text" name="start_date" id="start_date"
class="date_pick" />
        to
        <input readonly value = "<?php echo
date('Y-m-d'); ?>"  type="text" name="end_date"
id="end_date" class="date_pick" /><br/>

        Location:
```

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```php
<select name="location" id="location">
    <?php
        if($_SESSION['position'] == 'ndrrmc'){
            $default_value = "all";

            $region_where_str = "";

            $lgu_where_str = "";

            $area_label = "all regions";
        }
        if($_SESSION['position'] == 'rdrrmc'){
            $rdrrmc_qry = mysql_query("SELECT * FROM rdrrmc_region WHERE user_id = '".$_SESSION['user_id']."'");
            $rdrrmc_region = mysql_fetch_array($rdrrmc_qry);

            $region_qry = mysql_query("SELECT * FROM region
                                    WHERE id = '".$rdrrmc_region['region_id']."'");
            $region = mysql_fetch_array($region_qry);
            $area_label = $region['short_name']."
(".$region['region_name'].")";

            $default_value = "region;".$rdrrmc_region['region_id'];

            $region_where_str = "WHERE id = '".$rdrrmc_region['region_id']."'";

            $lgu_where_str = "";
        }
        if($_SESSION['position'] == 'ldrrmc'){
            $ldrrmc_qry = mysql_query("SELECT * FROM ldrrmc_lgu WHERE user_id = '".$_SESSION['user_id']."'");
            $ldrrmc_lgu = mysql_fetch_array($ldrrmc_qry);

            $lgu_qry = mysql_query("SELECT * FROM local_government_unit WHERE id = '".$ldrrmc_lgu['lgu_id']."'");
            $lgu = mysql_fetch_array($lgu_qry);

            $area_label = $lgu['lgu_name'];

            $default_value = "lgu;".$lgu['id'];

            $region_where_str = "WHERE id = '".$lgu['region_id']."'";

            $lgu_where_str = "AND id = '".$lgu['id']."' ";
        }

        echo("<option value=\"$default_value\">Choose location (optional)</option>");

        $region_qry = mysql_query("SELECT * FROM region $region_where_str");
        while($region = mysql_fetch_array($region_qry)){

            if($_SESSION['position'] == 'ndrrmc' || $_SESSION['position'] == 'rdrrmc'){

                echo("<option value=\"region;".$region['id']."\">".$region['short_name']." - ".$region['region_name']."</option>");
            }
            $lgu_qry = mysql_query("SELECT * FROM local_government_unit WHERE region_id = '".$region['id']."' $lgu_where_str ORDER BY lgu_name");
            while($lgu = mysql_fetch_array($lgu_qry)){

                echo("<option value=\"lgu;".$lgu['id']."\">  ".$lgu['lgu_name']."</option>");
            }
        }
    ?>
    </select><br/><br/>
    <?php
        echo "<input type=\"hidden\" name=\"prev_path\" value=\"manage_events.php\">";
    ?>
    <input type="reset" value="Reset">
    <input type="SUBMIT" name = "SUBMIT" value="Retrieve Data" />
    <br/>
```

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```php
    </form>
    <div id="line"></div>

    <a href="create_new_event.php">Create New
Event</a><br/><br/>

    Events from <?php echo $area_label; ?><br/>
<?php

    $where_str = "";
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $where_str = "WHERE location =
'lgu;".$ldrrmc_lgu['lgu_id']."'";
    }
    if($_SESSION['position'] == "rdrrmc"){
        $rdrrmc_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
        }
        $lgu_str = " , ".implode(", ", $lgu_id_arr);
        $where_str = "WHERE location IN
('region;".$rdrrmc_region['region_id']."'$lgu_str)";
    }

    $events_qry = mysql_query("SELECT * FROM
event
        $where_str ORDER BY date_started DESC");

    echo "Events found:
".mysql_num_rows($events_qry)."<br/><br/>";
    if(mysql_num_rows($events_qry) > 0){
        echo "<table border=\"1\">";
                echo "<tr>";
                echo "<td>";
                echo "Title";
                echo "</td>";
                echo "<td>";
                echo "Location";
                echo "</td>";
                echo "<td>";
                echo "Date Started";
                echo "</td>";
                echo "<td>";
                echo "Status";
                echo "</td>";
                echo "</tr>";
        while($event =
mysql_fetch_array($events_qry)){
                $location = $event['location'];
                $location_label =
getLocationLabels($location);
                echo "<tr>";
                echo "<td>";
                echo "<a class=\"bullet\"
href=\"view_event.php?prev_path=manage_events.
php&event_id=".$event['id']."\">".$event['title']."</
a>";
                echo "</td>";
                echo "<td>";
                echo $location_label;
                echo "</td>";
                echo "<td>";
                echo $event['date_started'];
                echo "</td>";
                echo "<td>";
                if($event['status'] == 'ended'){
                        echo "RESOLVED";
                        echo
"<br/>".$event['date_ended'];
                }
                else{
                echo strtoupper($event['status']);
                }
                echo "</td>";
                echo "</tr>";
        }
        echo "</table>";
    }


    echo "<br/>";
    require("footer.php");
?>
```

manage_manpower.php

```php
<?php
```

```php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

    $where_condition = "organization = '$position'";
    if($position == 'ldrrmc'){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $lgu_id = $ldrrmc_lgu['lgu_id'];

        $where_condition = $where_condition."
AND location = '$lgu_id'";
    }

    $result = mysql_query("SELECT * FROM
manpower
        WHERE $where_condition
        ORDER BY (SELECT lgu_name FROM
local_government_unit
            WHERE local_government_unit.id
= manpower.location), last_name ASC");

    $page_number = 1;

    if(isset($_GET['page_number'])){
        $page_number = $_GET['page_number'];
        for($i = 1; $i < ($page_number-1)*10 &&
$page_number > 1; $i++){
            $row = mysql_fetch_array($result);
        }
    }
?>
    <script type="text/javascript">
        function confirmToggle(label, action) {
            return confirm("Are you sure you
want to "+action+" "+label+"?");
        }
    </script>

    Manage manpower<br/>
    <div id="line"></div>
```

```php
    <a href="register_manpower.php">Register
manpower</a><br/><br/>

    <?php
    echo("Personnel found:
".mysql_num_rows($result)."<br/>");
    ?>

    <table>
        <?php
        $i = 1;
        while($i < 10 && $row =
mysql_fetch_array($result)):
            $i++;
            if($row['status'] == "activated"){
                $action = "deactivate";
                $Action = "Deactivate";
                $new_status =
"deactivated";
            }
            else{
                $action = "reactivate";
                $Action = "Reactivate";

                $new_status =
"activated";
            }
        ?>
        <tr>
            <td>
                <?php echo
$row['last_name'].", ".$row['first_name']; ?>
            </td>
            <td>
                <?php
                    $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                    $lgu =
mysql_fetch_array($lgu_qry);
                    echo
$lgu['lgu_name'];
                ?>
            </td>
            <td>
                <?php echo
$row['contact_number']; ?>
            </td>
            <td>
                <?php echo
$row['status']; ?>
            </td>
```

```php
            <td>
                <form
action="edit_manpower.php" method="post">
                    <input type="hidden"
name="edit_id" value="<?php echo $row['id']; ?>" />
                    <input type="submit"
id="action" name="action" value="Edit" />
                </form>
            </td>
            <td>
                <form
action="toggle_manpower_activation.php"
onSubmit="return confirmToggle(<?php echo
"'".$row['first_name']." ".$row['last_name']."'",
"'".$action."'"; ?>);" method="post">
                    <input type="hidden"
name="manpower_id" value="<?php echo
$row['id']; ?>" />
                    <input type="hidden"
name="new_status" value="<?php echo
$new_status; ?>" />
                    <input type="submit"
value="<?php echo $Action; ?>" />
                </form>
            </td>
        </tr>
        <?php endwhile; ?>
    </table>


<?php
    echo("<center>");

    $number_of_pages =
ceil(mysql_num_rows($result)/10);
    for($i=1; $i<=$number_of_pages; $i++ ){
        $color_str = "";
        if($i == $page_number){
            $color_str = "style=\"color:
#CC0000\"";
        }
        echo "<a href =
\"manage_manpower.php?page_number=$i\"
$color_str>$i</a> ";
    }
    echo("</center>");

    require("footer.php");
?>
```

manage_manpower_dispatch.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
    $organization = $position;
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

    $where_condition = "organization = '$position'";
    $where_event_str = "";
    if($position == 'ldrrmc'){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $lgu_id = $ldrrmc_lgu['lgu_id'];

        $where_condition = $where_condition."
AND location = '$lgu_id'";
        $where_event_str = "AND location =
'lgu;".$lgu_id."'";
    }

    if(isset($_POST['event_id'])){
        $given_event_id = $_POST['event_id'];
    }
    if(isset($_GET['event_id'])){
        $given_event_id = $_GET['event_id'];
    }

    if(isset($given_event_id)){
        $where_event_str = $where_event_str."
AND id = '".$given_event_id."'";
    }

    $result = mysql_query("SELECT * FROM
manpower WHERE $where_condition ORDER BY
(SELECT lgu_name FROM local_government_unit
WHERE local_government_unit.id =
manpower.location)");
?>

    Manage manpower dispatch
    <?php
    if(isset($given_event_id)){
```

```php
        $event_qry = mysql_query("SELECT * FROM
event
                WHERE id = '".$given_event_id."'");
        $event = mysql_fetch_array($event_qry);
        $chosen_event_title = $event['title'];
        $chosen_event_id = $event['id'];
        echo "for $chosen_event_title";
    }
    ?>
    <br/>
    <div id="line"></div>

    <?php
        $deployed_qry = mysql_query("SELECT *
FROM manpower WHERE $where_condition AND
dispatch_status = 'deployed'");
        $deployed_count =
mysql_num_rows($deployed_qry);
    ?>

    Deployed manpower units

    <form action="process_manpower_status.php"
method="POST">
    <?php
        $deployed_count = 0;
        $ongoing_events = mysql_query("SELECT *
FROM event
                WHERE status = 'ongoing'
$where_event_str");
        while($event =
mysql_fetch_array($ongoing_events)){
                $dispatch_records_qry =
mysql_query("SELECT record.* FROM
dispatch_record record
                WHERE response = 'accept' AND
status = 'ongoing'
                AND event_id = '".$event['id']."'
                AND (SELECT organization FROM
manpower WHERE id = record.recipient_id) =
'$organization'");

    if(mysql_num_rows($dispatch_records_qry) > 0){
                                echo
"<br/>".$event['title'].":
".mysql_num_rows($dispatch_records_qry)."
manpower dispatched";

                                echo "<table
border=\"1\">";
                                while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){

        $recipient_qry =
mysql_query("SELECT * FROM manpower
                                WHERE id =
'".$dispatch_record['recipient_id']."' AND
dispatch_status = 'deployed'");
                                $row =
mysql_fetch_array($recipient_qry);

                                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                                $lgu =
mysql_fetch_array($lgu_qry);

                                echo "
                                <tr>
                                    <td>
                                        <input
type=\"checkbox\" name=\"manpower[]\"
value=\"".$row['id']."\" >
                                    </td>
                                    <td>

    ".$row['last_name'].", ".$row['first_name']."
                                    </td>
                                    <td>

    ".$lgu['lgu_name']."
                                    </td>
                                    <td>

    ".$row['contact_number']."
                                    </td>
                                </tr>";
                                }
                                echo "</table>";
                                $deployed_count++;

                }

    }

    if($deployed_count > 0){
        echo "<br/><button name=\"action\"
type=\"submit\" value=\"relieve\">Relieve
Personnel</button>";
        echo " <button name=\"action\"
type=\"submit\"
onClick=\"this.form.action='input_sms_message.php
'; this.form.target='_self';return true;\">Send
Announcement</button>";
    }
```

```php
        else{
            echo "<br/>No manpower are currently
deployed for this event.";
        }

        if(isset($given_event_id)){
            echo "<input type=\"hidden\"
name=\"prev_path\"
value=\"manage_manpower_dispatch.php?event_id
=$chosen_event_id\">";
        }
        ?>
        </form>

        <div id="line"></div>

        Pending approval manpower units

        <form action="process_manpower_status.php"
method="POST">
        <?php
            $pending_count = 0;
            $ongoing_events = mysql_query("SELECT *
FROM event
                        WHERE status = 'ongoing'
$where_event_str");
            while($event =
mysql_fetch_array($ongoing_events)){
                    $dispatch_records_qry =
mysql_query("SELECT record.* FROM
dispatch_record record
                        WHERE response = 'no response'
AND status != 'ended' AND event_id =
'".$event['id']."'
                        AND (SELECT organization FROM
manpower WHERE id = record.recipient_id) =
'$organization'");

        if(mysql_num_rows($dispatch_records_qry) > 0){
                        $pending_count++;
                        echo
"<br/>".$event['title'].":
".mysql_num_rows($dispatch_records_qry)."
manpower dispatched";

                        echo "<table
border=\"1\">";
                        while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){
                            $recipient_qry =
mysql_query("SELECT * FROM manpower

                            WHERE id =
'".$dispatch_record['recipient_id']."'" AND
dispatch_status = 'pending approval'");
                            $row =
mysql_fetch_array($recipient_qry);

                            $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                            $lgu =
mysql_fetch_array($lgu_qry);

                            echo "
                            <tr>
                                <td>
                                    <input
type=\"checkbox\" name=\"manpower[]\"
value=\"".$row['id']."\" >
                                </td>
                                <td>
    ".$row['last_name'].", ".$row['first_name']."
                                </td>
                                <td>
    ".$lgu['lgu_name']."
                                </td>
                                <td>
    ".$row['contact_number']."
                                </td>
                            </tr>";
                        }
                        echo "</table>";
                }

        }

        if($pending_count > 0){
            echo "<br/><button name=\"action\"
type=\"submit\" value=\"relieve\">Relieve
Personnel</button>";
        }
        else{
            echo "<br/>No manpower are currently
pending for response for this event.";
        }
        if(isset($given_event_id)){
            echo "<input type=\"hidden\"
name=\"prev_path\"
value=\"manage_manpower_dispatch.php?event_id
=$chosen_event_id\">";
```

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```php
    }
    ?>

    </form>
    <div id="line"></div>


    <?php
        $available_qry = mysql_query("SELECT *
FROM manpower
                WHERE $where_condition AND
dispatch_status = 'available' AND status = 'activated'
                ORDER BY last_name ASC");
        $available_count =
mysql_num_rows($available_qry);
    ?>

    Available manpower units: <?php echo
$available_count;?><br/>
    <?php if($available_count > 0){?>
    <form action="process_manpower_status.php"
method="POST">
    <table border="1">
        <?php while($row =
mysql_fetch_array($available_qry)) : ?>
        <tr>
            <td>
                <input type="checkbox"
name="manpower[]" value="<?php echo $row['id'];
?>" >
            <td>
                <?php echo
$row['last_name'].", ".$row['first_name']; ?></td>
            <td>
                <?php
                    $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                    $lgu =
mysql_fetch_array($lgu_qry);
                    echo
$lgu['lgu_name'];
                ?>
            </td>
            <td>
                <?php echo
$row['contact_number']; ?>
            </td>
        </tr>
        <?php endwhile; ?>
    </table><br/>
<?php

        $event_qry = mysql_query("SELECT * FROM
event WHERE
                status = 'ongoing'
                ORDER BY date_started
DESC");
    if($_SESSION['position'] == "ldrrmc"){
            $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu WHERE
                user_id =
'".$_SESSION['user_id']."'");
            $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);
            $event_qry = mysql_query("SELECT
* FROM event WHERE
                status = 'ongoing' AND
location = 'lgu;".$ldrrmc_lgu['lgu_id']."'
                ORDER BY date_started
DESC");
    }
        echo("Assign to Event: ");
    if(isset($given_event_id)){
        echo "<input type=\"hidden\"
name=\"prev_path\"
value=\"manage_manpower_dispatch.php?event_id
=$chosen_event_id\">";
        echo "<input type=\"hidden\"
name=\"event_id\" value=\"$chosen_event_id\">";
        echo "$chosen_event_title<br/>";
    }
    else{
        echo("<select name = \"event_id\" required
= \"required\">");
        while($event =
mysql_fetch_array($event_qry)){
            echo "<option
value=\"".$event['id']."\">";
            echo $event['title'];
            echo "</option>";
        }
        echo " </select><br/><br/>";
    }
?>
    <button name="action" type="submit"
value="dispatch" />Dispatch Personnel
    </button>
    </form>
    <?php } ?>
    <div id="line"></div>

<?php
    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
```

```php
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
        echo("<br/><br/>");
    }
    require("footer.php");
?>
```

manage_reports.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'op') &&
!authenticatePosition($user_id, 'dotc')){
        require("view_notice.php");
        exit;
    }

?>

    Manage Reports
    <div id="line"></div>
<?php
    if(!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'op') &&
!authenticatePosition($user_id, 'dotc')){
        echo "<a
href=\"create_new_report.php\">Create New
Report</a><br/><br/>";
    }

    $dir = "generated_reports/";

    if(authenticatePosition($user_id, 'pcoo') ||
authenticatePosition($user_id, 'op') ||
authenticatePosition($user_id, 'dotc')){
        $where_str = "";
    }
    else{
        $where_str = "AND report_maker_id =
'".$_SESSION['user_id']."'";
    }

    $reports_qry = mysql_query("SELECT * FROM
report_record
    WHERE publish_status = 'unpublished'
$where_str
```

```php
    ORDER BY id DESC");
    echo "Unpublished Reports:
".mysql_num_rows($reports_qry)." report/s
found<br/>";
    if(mysql_num_rows($reports_qry) < 1){
        echo "<br/>There are no unpublished
reports.<br/>";
    }
    while($report_record =
mysql_fetch_array($reports_qry)){
        echo "<form action=\"filter_report.php\"
method=\"POST\">";
        echo "<input type=\"hidden\"
name=\"report_id\"
value=\"".$report_record['id']."\"> ";
        echo "<input type=\"hidden\"
name=\"report_title\"
value=\"".$report_record['report_title']."\"> ";
        echo "<input type=\"hidden\"
name=\"report_location\"
value=\"".$dir.$report_record['report_title']."\"> ";
        if(authenticatePosition($user_id, 'pcoo') ||
authenticatePosition($user_id, 'ndrrmc') ||
authenticatePosition($user_id, 'rdrrmc') ||
authenticatePosition($user_id, 'ldrrmc')){
        echo "<input type=\"submit\" value=\"Filter
& Publish\"> ";
        }
        echo '<a class="bullet" href =
"'.$dir.$report_record['report_title'].'"
target="_blank">'.$report_record['report_title'].'</a
><br/>';
        echo "</form>";
    }

    echo "<br/>";
    echo "<div id=\"line\"></div>";
    echo "<br/>";

    $reports_qry = mysql_query("SELECT * FROM
report_record
        WHERE publish_status = 'published'
$where_str
        ORDER BY id DESC");
    echo "Published Reports:
".mysql_num_rows($reports_qry)." report/s
found<br/>";
    if(mysql_num_rows($reports_qry) < 1){
        echo "<br/>There are no published
reports.<br/>";
    }
    while($report_record =
mysql_fetch_array($reports_qry)){
```

```php
        echo '<a class="bullet" href =
"'.$dir.$report_record['report_title'].'"
target="_blank">'.$report_record['report_title'].'</a
><br/>';
    }
?>


<?php
    echo "<br/><br/>";
    require("footer.php");
?>
```

manage_resource_requests.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc') ){
        require("view_notice.php");
        exit;
    }

    if(isset($_POST['prev_path'])){
        $prev_path = $_POST['prev_path'];
    }

    if(isset($_GET['prev_path'])){
        $prev_path = $_GET['prev_path'];
    }

    $additional_where_condition = "";
    if(isset($_POST['event_id'])){
        $event_id = $_POST['event_id'];
    }
    if(isset($_GET['event_id'])){
        $event_id = $_GET['event_id'];
    }
    if(isset($event_id)){
        $event_qry = mysql_query("SELECT * FROM
event
                    WHERE id = '$event_id'");
        $event = mysql_fetch_array($event_qry);
        $event_title = $event['title'];
        $additional_where_condition = "AND
event_id = '$event_id'";
```

```php
    }
?>

    <script type="text/javascript">
        function confirmAction(label, action) {
            if(action == 'cancel'){
                dir = 'to';
            }
            if(action == 'reject'|| action ==
'accept' || action == 'forward'){
                dir = 'from';
            }
            return confirm("Are you sure you
want to "+action+" the request "+dir+" "+label+"?");
        }
    </script>

    Manage Resource Requests
    <?php
        if(isset($event_title)){
            echo " for ".$event_title;
        }
        if(isset($event_id)){
    ?>
    <div id="line"></div>

<?php
    if($position == 'ndrrmc' || $position == 'rdrrmc'
|| $position == 'ldrrmc'){
        echo "<form method=\"POST\"
action=\"input_request_details.php\">";
        if(isset($event_id)){
        echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\" />";
        }
        echo "<input type=\"submit\"
value=\"Create Resource Request\" /><br/><br/>";
        echo "</form>";
    }
?>

    Pending requests sent for this event<br/>
<?php
    $resource_request_qry = mysql_query("SELECT *
FROM resource_request
    WHERE status = 'pending response'
$additional_where_condition
    ORDER BY date_requested DESC");
    if(mysql_num_rows($resource_request_qry) <
1){
        echo("No pending sent requests.");
    }
```

```php
    elseif(mysql_num_rows($resource_request_qry)
>0){
    echo "
    <table border=\"1\">
    <tr>
        <td>
                Request Recipient
        </td>
        <td>
                Date Requested
        </td>
        <td>
                Resource
        </td>
        <td>
                Remarks
        </td>
        <td>
        </td>
    </tr>
    ";

    if(!isset($event_id)){
    $resource_request_qry = mysql_query("SELECT
DISTINCT(event_id) FROM resource_request
    WHERE requester_id = '".$_SESSION['user_id']."'
    AND status = 'pending response'
$additional_where_condition");
    }
    while($resource_request =
mysql_fetch_array($resource_request_qry)){
        $recipient_qry = mysql_query("SELECT *
FROM user
                WHERE id =
'".$resource_request['recipient_id']."'");
        $recipient =
mysql_fetch_array($recipient_qry);

        $position_id = $recipient['position_id'];
        $position_qry = mysql_query("SELECT *
FROM position
                WHERE id = '".$position_id."'");
        $position =
mysql_fetch_array($position_qry);
        $position_label = $position['label'];

        if($position['position'] == "rdrrmc"){
                $rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
                WHERE user_id =
'".$resource_request['recipient_id']."'");
                $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

                $region_qry =
mysql_query("SELECT * FROM region
                WHERE id =
'".$rdrrmc_region['region_id']."'");
                $region =
mysql_fetch_array($region_qry);

                $region_label =
$region['short_name'];
                $position_label = $region_label."
".$position_label;
        }
        elseif($position['position'] == "ldrrmc"){
                $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
                WHERE user_id =
'".$resource_request['recipient_id']."'");
                $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

                $lgu_qry = mysql_query("SELECT *
FROM local_government_unit
                WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
                $lgu =
mysql_fetch_array($lgu_qry);

                $lgu_label = $lgu['lgu_name'];
                $position_label = $lgu_label."
".$position_label;
        }

    echo "
    <tr>
        <td>
        ".$recipient['first_name']."
".$recipient['last_name']."<br/>
        ($position_label)
        </td>
        <td>

    ".$resource_request['date_requested']."
        </td>
        <td>
                ".$resource_request['quantity']."
".$resource_request['resource']."
        </td>
        <td>
                ".$resource_request['remarks']."
        </td>
        <td>
```

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```php
                        <form
action=\"process_resource_request.php\"
                        onSubmit=\"return
confirmAction('".$recipient['first_name']."
".$recipient['last_name']."', 'cancel');\"
method=\"POST\">
                                <input type =\"hidden\"
name=\"process_action\" value=\"cancel\">
                                <input type =\"hidden\"
name=\"request_id\"
value=\"".$resource_request['id']."\">
                                <input type=\"submit\"
name = \"submit\" value=\"Cancel\" />
                    </form>
            </td>
    </tr>";
    }
    echo "</table>";
    }
    }
    if(!isset($event_id)){
?>
    <div id="line"></div>
    Pending Requests Received<br/>
<?php
    $resource_request_qry = mysql_query("SELECT *
FROM resource_request
        WHERE recipient_id =
'".$_SESSION['user_id']."'
        AND status = 'pending response'");
    if(mysql_num_rows($resource_request_qry) <
1){
        echo("No pending received requests");
    }
    elseif(mysql_num_rows($resource_request_qry)
>0){
        echo "Pending received requests:
".mysql_num_rows($resource_request_qry)."
requests";
    echo "
    <table border=\"1\">
    <tr>
        <td>
                Event
        </td>
        <td>
                Requester
        </td>
        <td>
                Date Requested
        </td>
        <td>
                Resource
            </td>
            <td>
                Remarks
            </td>
            <td>
            </td>
    </tr>
    ";

    while($resource_request =
mysql_fetch_array($resource_request_qry)){
        $requester_qry = mysql_query("SELECT *
FROM user
            WHERE id =
'".$resource_request['requester_id']."'");
        $requester =
mysql_fetch_array($requester_qry);

        $position_id = $requester['position_id'];
        $position_qry = mysql_query("SELECT *
FROM position
            WHERE id = '".$position_id."'");
        $position =
mysql_fetch_array($position_qry);
        $position_label = $position['label'];

        $event_qry =  mysql_query("SELECT *
FROM event
            WHERE id =
'".$resource_request['event_id']."'");
        $event = mysql_fetch_array($event_qry);
        $event_title = $event['title'];

        if($position['position'] == "rdrrmc"){
            $rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
            WHERE user_id =
'".$resource_request['recipient_id']."'");
            $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

            $region_qry =
mysql_query("SELECT * FROM region
            WHERE id =
'".$rdrrmc_region['region_id']."'");
            $region =
mysql_fetch_array($region_qry);

            $region_label =
$region['short_name'];
            $position_label = $region_label."
".$position_label;
        }
```

```php
		elseif($position['position'] == "ldrrmc"){
			$ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
			WHERE user_id =
'".$resource_request['requester_id']."'");
			$ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

			$lgu_qry = mysql_query("SELECT *
FROM local_government_unit
			WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
			$lgu =
mysql_fetch_array($lgu_qry);

			$lgu_label = $lgu['lgu_name'];
			$position_label = $lgu_label."
".$position_label;
		}

	echo "
	<tr>
		<td>
		$event_title
		</td>
		<td>
		".$requester['first_name']."
".$requester['last_name']."<br/>
		($position_label)
		</td>
		<td>
		".$resource_request['date_requested']."
		</td>
		<td>
		".$resource_request['quantity']."
".$resource_request['resource']."
		</td>
		<td>
		".$resource_request['remarks']."
		</td>
		<td>
			<form
action=\"process_resource_request.php\"
			onSubmit=\"return
confirmAction('".$requester['first_name']."
".$requester['last_name']."', 'accept');\"
method=\"POST\">
				<input type =\"hidden\"
name=\"process_action\" value=\"accept\">
				<input type =\"hidden\"
name=\"request_id\"
value=\"".$resource_request['id']."\">
```

```php
				<input type=\"submit\"
name = \"submit\" value=\"Accept\" />
			</form>";
			echo"
			<form
action=\"process_resource_request.php\"
			onSubmit=\"return
confirmAction('".$requester['first_name']."
".$requester['last_name']."', 'forward');\"
method=\"POST\">
				<input type =\"hidden\"
name=\"process_action\" value=\"forward\">
				<input type =\"hidden\"
name=\"request_id\"
value=\"".$resource_request['id']."\">
				<input type=\"submit\"
name = \"submit\" value=\"Forward\" />
			</form>";
		echo "
		</td>
	</tr>";

	}

	echo "</table>";
	}
	}

	if(isset($event_id)){
?>
	<div id="line"></div>
	Processed requests for this event<br/>

<?php
	$resource_request_qry = mysql_query("SELECT *
FROM resource_request
		WHERE status != 'pending response'
$additional_where_condition
		ORDER BY date_responded DESC");
	if(mysql_num_rows($resource_request_qry) <
1){
		echo("No processed requests");
	}
	elseif(mysql_num_rows($resource_request_qry)
>0){
		echo "Processed requests:
".mysql_num_rows($resource_request_qry)."
requests";
		echo "
		<table border=\"1\">
		<tr>
			<td>
				Request Recipient
```

```
		</td>
		<td>
			Date Requested
		</td>
		<td>
			Resource
		</td>
		<td>
			Remarks
		</td>
		<td>
			Quantity Given
		</td>
		<td>
			Response Remarks
		</td>
		<td>
			Date Responded
		</td>
	</tr>
	";

	while($resource_request =
mysql_fetch_array($resource_request_qry)){
		$recipient_qry = mysql_query("SELECT *
FROM user
			WHERE id =
'".$resource_request['recipient_id']."'");
		$recipient =
mysql_fetch_array($recipient_qry);

		$position_id = $recipient['position_id'];
		$position_qry = mysql_query("SELECT *
FROM position
			WHERE id = '".$position_id."'");
		$position =
mysql_fetch_array($position_qry);
		$position_label = $position['label'];

		if($position['position'] == "rdrrmc"){
			$rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
			WHERE user_id =
'".$resource_request['recipient_id']."'");
			$rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

			$region_qry =
mysql_query("SELECT * FROM region
			WHERE id =
'".$rdrrmc_region['region_id']."'");
			$region =
mysql_fetch_array($region_qry);
```

```
			$region_label =
$region['short_name'];
			$position_label = $region_label."
".$position_label;
		}
		elseif($position['position'] == "ldrrmc"){
			$ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
			WHERE user_id =
'".$resource_request['recipient_id']."'");
			$ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

			$lgu_qry = mysql_query("SELECT *
FROM local_government_unit
			WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
			$lgu =
mysql_fetch_array($lgu_qry);

			$lgu_label = $lgu['lgu_name'];
			$position_label = $lgu_label."
".$position_label;
		}

		$class_str = "";
		if($resource_request['status'] ==
"accepted"){
			$class_str = "id=\"green_bg\"";
		}
		if($resource_request['status'] ==
"cancelled"){
			$class_str = "id=\"gray_bg\"";
		}
		if($resource_request['status'] ==
"rejected"){
			$class_str = "id=\"pink_bg\"";
		}
		if($resource_request['status'] ==
"forwarded"){
			$class_str = "id = \"orange_bg\"";
		}
	echo "
	<tr $class_str>
		<td>
		".$recipient['first_name']."
".$recipient['last_name']."<br/>
		($position_label)
		</td>
		<td>
		".$resource_request['date_requested']."
		</td>
```

```php
		<td>
			".$resource_request['quantity']."
".$resource_request['resource']."
		</td>
		<td>
			".$resource_request['remarks']."
		</td>
		<td>
			".$resource_request['response_quantity']."
		</td>
		<td>
			".$resource_request['status'].":
".$resource_request['response_remarks']."
		</td>
		<td>
			".$resource_request['date_responded']."
		</td>
	</tr>";

	}

	echo "</table>";
	}
	}

	if(!isset($event_id)){
?>
	<div id="line"></div>
	Processed Received Requests<br/>
<?php
	$resource_request_qry = mysql_query("SELECT *
FROM resource_request
		WHERE recipient_id =
'".$_SESSION['user_id']."'
		AND status != 'pending response'");
	if(mysql_num_rows($resource_request_qry) <
1){
		echo("No processed received requests");
	}
	elseif(mysql_num_rows($resource_request_qry)
>0){
		echo "Processed received requests:
".mysql_num_rows($resource_request_qry)."
requests";
	echo "
	<table border=\"1\">
	<tr>
		<td>
			Event
		</td>
		<td>
			Requester
		</td>
```

```php
		<td>
			Date Processed
		</td>
		<td>
			Resource
		</td>
		<td>
			Remarks
		</td>
		<td>
			Quantity Given
		</td>
		<td>
			Response Remarks
		</td>
	</tr>
	";

	while($resource_request =
mysql_fetch_array($resource_request_qry)){
		$requester_qry = mysql_query("SELECT *
FROM user
			WHERE id =
'".$resource_request['requester_id']."'");
		$requester =
mysql_fetch_array($requester_qry);

		$position_id = $requester['position_id'];
		$position_qry = mysql_query("SELECT *
FROM position
			WHERE id = '".$position_id."'");
		$position =
mysql_fetch_array($position_qry);
		$position_label = $position['label'];

		$event_qry =  mysql_query("SELECT *
FROM event
			WHERE id =
'".$resource_request['event_id']."'");
		$event = mysql_fetch_array($event_qry);
		$event_title = $event['title'];

		if($position['position'] == "rdrrmc"){
			$rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
			WHERE user_id =
'".$resource_request['recipient_id']."'");
			$rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

			$region_qry =
mysql_query("SELECT * FROM region
```

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```php
                WHERE id =
'".$rdrrmc_region['region_id']."'");
                $region =
mysql_fetch_array($region_qry);

                $region_label =
$region['short_name'];
                $position_label = $region_label."
".$position_label;
        }
        elseif($position['position'] == "ldrrmc"){
                $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
                WHERE user_id =
'".$resource_request['requester_id']."'");
                $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

                $lgu_qry = mysql_query("SELECT *
FROM local_government_unit
                WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
                $lgu =
mysql_fetch_array($lgu_qry);

                $lgu_label = $lgu['lgu_name'];
                $position_label = $lgu_label."
".$position_label;
        }
    $class_str = "";
    if($resource_request['status'] == "accepted"){
                $class_str = "id=\"green_bg\"";
        }
    if($resource_request['status'] == "cancelled"){
        $class_str = "id=\"gray_bg\"";
    }
    if($resource_request['status'] == "rejected"){
        $class_str = "id = \"pink_bg\"";
    }
    if($resource_request['status'] == "forwarded"){
        $class_str =  "id = \"orange_bg\"";
    }
    echo "<tr $class_str>
        <td>
        $event_title
        </td>
        <td>
        ".$requester['first_name']."
".$requester['last_name']."<br/>
        ($position_label)
        </td>
        <td>
        ".$resource_request['date_responded']."
```

```php
        </td>
        <td>
        ".$resource_request['quantity']."
".$resource_request['resource']."
        </td>
        <td>
        ".$resource_request['remarks']."
        </td>
        <td>
        ".$resource_request['response_quantity']."
        </td>
        <td>
        ".$resource_request['status'].":
".$resource_request['response_remarks']."
        </td>
    </tr>";

    }

    echo "</table>";
    }
    }


    if(isset($prev_path)){
        echo("<br/><br/>");
        echo("<a href = \"$prev_path\">Back</a>");
        echo("<br/><br/>");
    }

    require("footer.php");
?>
```

manage_state_of_calamity.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");


  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'op') &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc')) {
        require("view_notice.php");
        exit;
    }
?>

    Manage state of calamity<br/>
    <div id="line"></div>

    <?php
```

```php
        $additional_where = "";
        if(authenticatePosition($user_id, 'rdrrmc')){
                $rdrrmc_qry =
mysql_query("SELECT * FROM rdrrmc_region
                        WHERE user_id =
'".$_SESSION['user_id']."'");
                $rdrrmc =
mysql_fetch_array($rdrrmc_qry);
                $region_id = $rdrrmc['region_id'];
                $additional_where = " AND
region_id = '$region_id'";
        }

        $lgu_query = mysql_query("SELECT * FROM
local_government_unit WHERE state = 'calamity'
$additional_where");
        $lgu_calamity_count =
mysql_num_rows($lgu_query);

    $region_where = "";

    if(authenticatePosition($user_id, 'rdrrmc')){
        $region_where = " WHERE id =
'$region_id'";
    }
    ?>

    Units where state of calamity has been declared:
<?php echo $lgu_calamity_count;?><br/>

<?php

    if($lgu_calamity_count > 0){
    echo "<form
action=\"edit_state_of_calamity.php\"
method=\"POST\">";
    $regions_query = mysql_query("SELECT * FROM
region $region_where");

    while($region =
mysql_fetch_array($regions_query)){
        $LGUs_query = mysql_query("SELECT *
FROM local_government_unit WHERE region_id =
'".$region['id']."' AND state = 'calamity'");
        echo ("<div id=\"tab_space\">");
        while($LGU =
mysql_fetch_array($LGUs_query)){
                echo "<input type=\"checkbox\"
name=\"lgu[]\" value=\"".$LGU['id']."\">
".$LGU['lgu_name']."<br/>";
        }
        echo("</div>");
    }
```

```php
    echo "<button name=\"action\" type=\"submit\"
value=\"remove\">Remove state of
calamity</button>
    </form><br/>";
    }
?>
    <div id="line"></div>

    <?php
        $lgu_query = mysql_query("SELECT * FROM
local_government_unit WHERE state = 'normal'
$additional_where");
        $lgu_calamity_count =
mysql_num_rows($lgu_query);
    ?>

    Units where status is normal: <?php echo
$lgu_calamity_count;?><br/>
    <form action="edit_state_of_calamity.php"
method="POST">
<?php
    $regions_query = mysql_query("SELECT * FROM
region $region_where");
    while($region =
mysql_fetch_array($regions_query)){
        echo $region['region_name']."<br/>";
        $LGUs_query = mysql_query("SELECT *
FROM local_government_unit WHERE region_id =
'".$region['id']."' AND state = 'normal'");
        echo ("<div id=\"tab_space\">");
        while($LGU =
mysql_fetch_array($LGUs_query)){
                echo "<input type=\"checkbox\"
name=\"lgu[]\" value=\"".$LGU['id']."\">
".$LGU['lgu_name']."<br/>";
        }
        echo("</div>");
        echo("<div id=\"line\"></div>");
    }

?>
    <button name="action" type="submit"
value="declare" />Declare state of calamity
    </form>


<?php
    require("footer.php");
?>
```

manage_users.php

```php
<?php
```

```php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'admin')){
        require("view_notice.php");
        exit;
    }

    $result = mysql_query("SELECT * FROM user
        ORDER BY last_name, first_name,
username");

    $page_number = 1;

    if(isset($_GET['page_number'])){
        $page_number = $_GET['page_number'];
        for($i = 1; $i < ($page_number-1)*10 &&
$page_number > 1; $i++){
                $row = mysql_fetch_array($result);
        }
    }
?>
    <script type="text/javascript">
        function confirmToggle(label, action) {
                return confirm("Are you sure you
want to "+action+" "+label+"?");
        }
    </script>

    Manage Users
    <div id="line"></div>
    <?php
        echo ("<a href =
\"input_user_details.php\">Create new
user</a><br/><br/>");
    ?>
    <table>
        <tr>
        <td>
        Name
        </td>
        <td>
        Username
        </td>
        <td>
        Position
        </td>
        <td>
        </td>
        <td>
        </td>
        </tr>
        <?php
        $i = 1;
        while($i < 10 && $row =
mysql_fetch_array($result)):
                $i++;
                if($row['status'] == "activated"){
                        $action = "deactivate";
                        $Action = "Deactivate";
                        $new_status =
"deactivated";
                }
                else{
                        $action = "reactivate";
                        $Action = "Reactivate";

                        $new_status =
"activated";
                }
                $user_id = $row['id'];
                $position_qry =
mysql_query("SELECT * FROM position WHERE id =
'".$row['position_id']."'");
                $position =
mysql_fetch_array($position_qry);
                $position_label =
$position['label'];

                if($position['position'] ==
"ldrrmc"){
                        $ldrrmc_lgu_qry
= mysql_query("SELECT * FROM ldrrmc_lgu
                                        WHERE
user_id = '$user_id'");
                        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

                        $lgu_id =
$ldrrmc_lgu['lgu_id'];

                        $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit
                                        WHERE
id = '$lgu_id'");
                        $lgu =
    mysql_fetch_array($lgu_qry);

                        $position_label =
$lgu['lgu_name']." ".$position_label;
                }
```

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```php
                        if($position['position'] ==
"rdrrmc"){

    $rdrrmc_region_qry = mysql_query("SELECT *
FROM rdrrmc_region
                                    WHERE
user_id = '$user_id'");
                                $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);
                                $region_id =
$rdrrmc_region['region_id'];

                                $region_qry =
mysql_query("SELECT * FROM region
                                    WHERE
id = '$region_id'");
                                $region =
    mysql_fetch_array($region_qry);

                                $position_label =
$region['short_name']." ".$position_label;
                        }
        ?>
        <tr
        <?php
        if($row['status'] == "deactivated"){
                echo "id=\"pink_bg\"";
        }
        ?>
        >
                <td><?php echo
$row['last_name'].", ".$row['first_name']; ?></td>
                <td><?php echo $row['username'];
?></td>
                <td><?php echo $position_label;
?></td>
                <td>
                 <form action="edit_user.php"
method="post">
                        <input type="hidden"
name="edit_id" value="<?php echo $row['id']; ?>" />
                        <input type="submit"
id="action" name="action" value="Edit" />
                </form>
                </td>
                <td>
                 <form
action="toggle_user_activation.php"
onSubmit="return confirmToggle(<?php echo
"'".$row['first_name']." ".$row['last_name']."\'s
account', '".$action."'"; ?>);" method="post">
```

```php
                        <input type="hidden"
name="manpower_id" value="<?php echo
$row['id']; ?>" />
                        <input type="hidden"
name="new_status" value="<?php echo
$new_status; ?>" />
                        <input type="submit"
value="<?php echo $Action; ?>" />
                </form>
                </td>
        </tr>
        <?php endwhile; ?>
    </table>

<?php
    echo("<center>");
    $number_of_pages =
ceil(mysql_num_rows($result)/10);
    for($i = 1; $i <= $number_of_pages; $i++){
        $color_str = "";
        if($i == $page_number){
                $color_str = "style=\"color:
#CC0000\"";
        }
        echo "<a href =
\"manage_users.php?page_number=$i\"
$color_str>$i</a> ";
    }
    echo("</center>");


    require("footer.php");
?>
```

messages.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");


    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }


    echo("Inbox ");
    echo("<div id=\"line\"></div>");
    echo("<a href = \"create_message.php\">Create
New Message</a><br/><br/>");
```

```php
    require("connect_to_db.php");
    $threads = mysql_query("SELECT DISTINCT
mission_id FROM mission_member
        WHERE recipient_id =
'".$_SESSION['user_id']."'
        ORDER BY id DESC");

    $num_rows = mysql_num_rows($threads);
    echo "$num_rows Messages <br/>";

    echo("<table border=\"1\">
        <tr>
        <td>
        Sender
        </td>
        <td>
        Message
        </td>
        <td>
        Date
        </td>
        </tr>
    ");

    while($thread = mysql_fetch_array($threads)){
        $unread_qry = mysql_query("SELECT *
FROM mission_member
        WHERE recipient_id =
'".$_SESSION['user_id']."' && status = 'unread' &&
mission_id = '".$thread['mission_id']."'");
        if(mysql_num_rows($unread_qry) > 0){
            $status = "unread";

        }
        else{
            $status = "read";
        }

        $messages = mysql_query("SELECT * FROM
mission
            WHERE id =
'".$thread['mission_id']."' ORDER BY sequence_id
DESC");
        $message = mysql_fetch_array($messages);

        $sender_qry = mysql_query("SELECT
username FROM user
            WHERE id =
'".$message['author_id']."'");
        $sender = mysql_fetch_array($sender_qry);

        echo("<tr class = \"$status\">");
```

```php
        echo("<td class=\"sender\">");
        echo ($sender['username']." ");
        echo("</td>");

        $subject = $message['subject'];
        echo("<td>");
        echo("<a
href=\"view_message.php?thread=".$thread['missio
n_id']."\">$subject</a>");
        $msg = $message['message'];
        $message_str = " - $msg<br/>";
        if(strlen($msg) > 100){
                $message_str = " - ".substr($msg,
0, 100)."...<br/>";
        }
        echo $message_str;
        echo("</td>");

        echo("<td>");
        echo($message['date_sent']);
        echo("</td>");
        //echo("</div>");
        echo("</tr>");
    }
    echo("</table>");

    require("footer.php");
?>
```

post_announcement,php

```php
<?php
    require("header.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id,'pcoo') &&
!authenticatePosition($user_id,'dotc') &&
!authenticatePosition($user_id,'ndrrmc') &&
!authenticatePosition($user_id,'rdrrmc') &&
!authenticatePosition($user_id,'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    $subject        = clean($_POST['subject']);
    $message        = clean($_POST['message']);
    $raw_message        = ($_POST['message']);

    $post_qry = "INSERT INTO announcement
(subject, message, poster_id)
```

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```php
        VALUES('$subject', '$message',
'".$_SESSION['user_id']."')";
    $result = mysql_query($post_qry);

    $select_qry = mysql_query("SELECT MAX(id)
FROM announcement
        WHERE subject= '$subject' AND
        message = '$message' AND
        poster_id = '".$_SESSION['user_id']."'");
    $announcement =
mysql_fetch_array($select_qry);

    if(isset($_POST['report_location'])){
        $file_name = $_POST['report_title'];
        $desired_dir="user_data";

        if(is_dir($desired_dir)==false){
        mkdir("$desired_dir", 0700);
    // Create directory if it does not exist
        }
        if(is_file("$desired_dir/".$file_name)==false){

    copy($_POST['report_location'],
"$desired_dir/".$file_name);
        }else{
                        // rename the file if
another one exist
                        $filename_arr =
explode(".", $file_name);
                        $file_name =
$filename_arr[0]. "_(".time().").pdf";
        $new_dir="$desired_dir/$file_name";
        copy($_POST['report_location'], $new_dir);
        }

        $upload_file_qry = mysql_query("INSERT
INTO uploaded_file
                    (announcement_id, user_id,
file_name)

    VALUES('".$announcement['MAX(id)']."',
'".$_SESSION['user_id']."','$file_name')");
        $update_report = mysql_query("UPDATE
report_record SET
                    publish_status = 'published'
                    WHERE id =
'".$_POST['report_id']."'");
    }

    if(isset($_FILES['files']) &&
count($_FILES['files'])>0){
  $errors= array();

        foreach($_FILES['files']['tmp_name'] as $key =>
$tmp_name ){
        $file_name = $_FILES['files']['name'][$key];
        $file_size =$_FILES['files']['size'][$key];
        $file_tmp
=$_FILES['files']['tmp_name'][$key];
        $file_type=$_FILES['files']['type'][$key];
    if($file_size > 2097152){
                    $errors[]='File size must be less
than 2 MB';
    }
        if($file_size < 1){
                    continue;
        }
    $query="INSERT INTO uploaded_file
(announcement_id, user_id, file_name, file_size,
file_type) VALUES('".$announcement['MAX(id)']."',
'".$_SESSION['user_id']."','$file_name','$file_size','$fi
le_type'); ";
        $desired_dir="user_data";
        $filename_arr = explode(".", $file_name);
        $error_char_array = array("*", ".", "\"", "/",
"\\", "[", "]", ":", ";", "|", "=", ",");
        $filename_arr[0] =
str_replace($error_char_array, "_",
$filename_arr[0]);
        $file_name =
$filename_arr[0].".".$filename_arr[1];
    if(empty($errors)==true){
      if(is_dir($desired_dir)==false){
        mkdir("$desired_dir", 0700);
    // Create directory if it does not exist
        }
        if(is_file("$desired_dir/".$file_name)==false){

move_uploaded_file($file_tmp,"$desired_dir/".$file
_name);
        }else{
                        // rename the file if
another one exist
                        $filename_arr =
explode(".", $file_name);
        $file_name= $filename_arr[0]. "
(".time().").".$filename_arr[1];

    $new_dir="$desired_dir/".$filename_arr[0]. "
(".time().").".$filename_arr[1];
            rename($file_tmp,$new_dir) ;

    }
                mysql_query($query);
    }
```

```php
        else{
          print_r($errors);
        }
      }


}
?>

    Create announcement
    <div id="line"></div>

    Your message was successfully posted with the
following information:<br/><br/>

    Subject: <?php echo $subject; ?><br/>
    Message:<br/>
<?php
    $announcement_qry = mysql_query("SELECT *
FROM announcement
        WHERE subject = '$subject' AND
        message = '$message' AND
        poster_id = '".$_SESSION['user_id']."'");
    $announcement =
mysql_fetch_array($announcement_qry);

    $attachment_qry = mysql_query("SELECT *
FROM uploaded_file WHERE announcement_id =
'".$announcement['id']."'");
    if(mysql_num_rows($attachment_qry)>0){
        while($file =
mysql_fetch_array($attachment_qry)){
                    if(strpos($file['file_type'], "image")
=== false){

                    }
                    else{
                            echo("<img
src=\"user_data/".$file['file_name']."\"><br/>");

                    }
        }
    }
    echo "<div
id=\"whitespace_div\">$raw_message</div>";

    $attachment_qry = mysql_query("SELECT *
FROM uploaded_file
        WHERE announcement_id =
'".$announcement['id']."' AND file_type NOT LIKE
'image%'");
    if(mysql_num_rows($attachment_qry)>0){
        echo("<br/>Attatchments:<br/>");
```

```php
        while($file =
mysql_fetch_array($attachment_qry)){
                    if(strpos($file['file_type'], "image")
=== false){
                            echo("<a class=\"bullet\"
href=\"user_data/".$file['file_name']."\">".$file['file_
name']."</a><br/>");
                    }
        }
    }

    echo "<br/>";
    if(isset($_POST['event_id'])){
    echo "<a href=\"create_new_event.php\">Create
Another Event</a><br/><br/>";
    }

    echo "<a href=\"index.php\">Home</a><br/>";

    require("footer.php");
?>
```

process_manpower_registration.php

```php
<?php
    require("header.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'prc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    $first_name = clean($_POST['first_name']);

    $last_name = clean($_POST['last_name']);
    $contact_number =
clean($_POST['contact_number']);
    $location = clean($_POST['location']);
    $organization = clean($_POST['organization']);
    $insert_personnel_query = mysql_query("INSERT
INTO manpower (first_name, last_name,
contact_number, location, organization)
        VALUES('$first_name', '$last_name',
'$contact_number', '$location', '$organization')");

    if(mysql_error()){
        echo(mysql_error);
        exit;
```

```php
    }
?>

    Register Personnel Information<br/>
    <div id="line"></div>

    You have successfully registered a manpower
with the following information:<br/><br/>
    First name: <?php echo $_POST['first_name'];
?><br/>
    Last Name: <?php echo $_POST['last_name'];
?><br/>
    Contact Number: <?php echo
$_POST['contact_number']; ?><br/>
    Location:
    <?php
        $search_location_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$_POST['location']."'");
        $location =
mysql_fetch_array($search_location_qry);
        echo $location['lgu_name'];
    ?>
    <br/>

<?php
    require("footer.php");
?>
```

process_manpower_status.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'prc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function showDispatchMessageForm($status,
$action, $default_message){
        echo("
                <form
action=\"send_dispatch_message.php\"
method=\"POST\">
                    <input type=\"hidden\"
name=\"table_name\" value=\"manpower\">

                    <input type=\"hidden\"
name=\"status\" value=\"$status\">
                    <input type=\"hidden\"
name=\"action\" value=\"$action\">
        ");
        if(isset($_POST['event_id'])){
        echo("
                    <input type=\"hidden\"
name=\"event_id\"
value=\"".$_POST['event_id']."\">
        ");
        }

        $recipient_arr = array();
        foreach($_POST['manpower'] as
$manpower_id){
            $personnel_qry =
mysql_query("SELECT * FROM manpower WHERE id
= '$manpower_id'");
            $manpower =
mysql_fetch_array($personnel_qry);
                array_push($recipient_arr,
$manpower['last_name'].",
".$manpower['first_name']."
<".$manpower['contact_number'].">");
                echo("<input type=\"hidden\"
name=\"recipient[]\" value=\"$manpower_id\">");

        }

        echo(implode('; ',
$recipient_arr)."<br/><br/>");
        $event_message = "";
        if(isset($_POST['event_id'])){
                $event_qry = mysql_query("SELECT
* FROM event WHERE
                            id =
'".$_POST['event_id']."'");
                $event =
mysql_fetch_array($event_qry);
                $event_title = $event['title'];
                $event_desc =
$event['description'];
                $event_message = "You are being
requested for dispatch for $event_title ";
                echo("Assign to Event:
$event_title");
        }
        if(isset($_POST['prev_path'])){
```

```php
        echo("<input type=\"hidden\"
name=\"prev_path\" value=
\"".$_POST['prev_path']."\">");
        }

        echo("
                <textarea name = \"message\"
rows=\"20\" cols=\"50\" required = \"required\"
text-align = \"left\"
>$event_message$default_message</textarea><br/
>
                <input type=\"SUBMIT\" name =
\"SUBMIT\" value=\"Send\" />
                </form>
        ");
    }

    if(!isset($_POST['manpower'])){
        echo("No personnel were chosen.<br/>");
        echo("<a href = \"manage_personnel.php\"
>Back</a><br/>");
        require("footer.php");
        exit;
    }

    if(count($_POST['manpower']) < 1){
        echo("No personnel were chosen.<br/>");
        echo("<a href = \"manage_personnel.php\"
>Back</a><br/>");
        require("footer.php");
        exit;
    }

    $action = $_POST['action'];
    if($action == 'dispatch'){
        $send_label = "Send a dispatch message to:
";
        $status = "pending approval";
        $default_message = "Please reply with
'RESCUERESPONSE ACCEPT <TRANSACTION CODE>' if
available or 'RESCUERESPONSE DECLINE
<TRANSACTION CODE>' if unavailable.";
        echo $send_label;
        showDispatchMessageForm($status,
$action, $default_message);
    }
    if($action == 'relieve'){
        $send_label = "Send a relieve of dispatch
message to:";
        $status = "available";
        $default_message = "You have been
relieved of dispatch duty.";
        echo $send_label;
```

```php
        showDispatchMessageForm($status,
$action, $default_message);
    }

    require("footer.php");
?>
```

process_resource_request.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'prc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
        require("view_notice.php");
        exit;
    }
?>
    Respond to Resource Request
    <div id="line"></div>
<?php
    $process_action = $_POST['process_action'];
    $request_id = $_POST['request_id'];

    if(!isset($process_action) || !isset($request_id)){
        echo "No request was chosen.<br/>";
        require("footer.php");
        exit;
    }

    if($process_action == "cancel"){
        $status = "cancelled";
        $message_label = "Remarks for
cancellation:<br/>";
    }
    elseif($process_action == "accept"){
        $status = "accepted";
        $message_label = "Remarks for
acceptance:<br/>";
    }
    elseif($process_action == "reject"){
        $status = "rejected";
        $message_label = "Remarks for
rejection:<br/>";
    }
    elseif($process_action == "forward"){
        $status = "forwarded";
```

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```php
    $message_label = "Remarks for
forwarding:<br/>";
    }

    $request_qry = mysql_query("SELECT * FROM
resource_request
        WHERE id = '$request_id'");
    $request = mysql_fetch_array($request_qry);
    $requester_qry = mysql_query("SELECT * FROM
user
        WHERE id = '".$request['requester_id']."'");
    $requester = mysql_fetch_array($requester_qry);

    $position_id = $requester['position_id'];
    $position_qry = mysql_query("SELECT * FROM
position
        WHERE id = '".$position_id."'");
    $position = mysql_fetch_array($position_qry);
    $position_label = $position['label'];

    echo "Resource request from:
".$requester['first_name']."
".$requester['last_name']."<br/>";
    echo "Date requested:
".$request['date_requested']."<br/>";
    echo "Resource requested:
".$request['resource']."<br/>";
    echo "Quantity requested:
".$request['quantity']."<br/>";
    echo "Request
Remarks:<br/>".$request['remarks']."<br/><br/>";

    echo "<form method=\"post\"
action=\"respond_resource_request.php\">";
    if($process_action == "forward"){
        echo "<input type = \"hidden\"
name=\"resource\"
value=\"".$request['resource']."\">";
        echo "Quantity deliverable: <input
type=\"number\" min=\"0\"
name=\"response_quantity\" required =
\"required\"
value=\"".$request['quantity']."\"><br/>";
    }
    elseif($process_action == "reject"){
        echo "Quantity deliverable: 0";
        echo "<input type=\"hidden\"
name=\"response_quantity\" value=\"0\"><br/>";
    }
    elseif($process_action != "cancel"){
        echo "Quantity deliverable:
".$request['quantity'];
```

```php
        echo "<input type=\"hidden\"
name=\"response_quantity\"
value=\"".$request['quantity']."\"><br/>";
    }
    echo $message_label;
    echo "<textarea name = \"remark\" rows=\"20\"
cols=\"50\" required = \"required\" text-align =
\"left\"></textarea><br/>";
    echo "<input type=\"hidden\" name =
\"request_id\" value=\"$request_id\">";
    echo "<input type=\"hidden\" name =
\"process_action\"
value=\"$process_action\"><br/>";
    $label = "Submit";
    if($process_action == "forward"){
        $label = "Respond and Forward";
    }
    echo "<input type=\"submit\"
value=\"$label\">";
    echo "</form><br><br>";

    require("footer.php");
?>
```

process_state.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'op') &&
!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc')) {
        require("view_notice.php");
        exit;
    }

    function updateStatus($lgu_arr, $action, $state){
        foreach($lgu_arr as $lgu_id){
        $update_query = "UPDATE
local_government_unit SET state = '$state' WHERE id
= '$lgu_id'";
        $result = mysql_query($update_query);
        if($action == 'declare'){
            $calamity_structure_qry = "INSERT
INTO calamity_structure (lgu_id, declarer_id)
            VALUES ('$lgu_id',
'".$_SESSION['user_id']."')";
        }
        elseif($action == 'remove'){
```

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```php
                $date = date_create();
                $date_ended =
date_format($date,'Y-m-d H:i:s');
                $calamity_structure_qry =
"UPDATE calamity_structure
                        SET date_ended =
'$date_ended', status = 'ended'
                        WHERE lgu_id = '$lgu_id'
AND status = 'ongoing'";
            }
            $calamity_qry =
mysql_query($calamity_structure_qry);
        if($calamity_qry){
                //echo "calamity qry success";
        }
        else{
                echo "calamity qry fail";
                echo (mysql_error());
        }
        }
    }
?>

    Edit state of calamity<br/>
    <div id="line"></div>

<?php
    $action = $_POST['action'];
    if($action == 'declare'){
        $message = "You have declared the state of
calamity at:<br/>";
        $state = "calamity";
    }
    elseif($action == 'remove'){
        $message = "You have removed the state of
calamity at:<br/>";
        $state = "normal";
    }

    $lgu_arr = array();
    if(isset($_POST['region'])){
        foreach ($_POST['region'] as $region){
                $region_qry =
mysql_query("SELECT * FROM region WHERE id =
'$region'");
                $region =
mysql_fetch_array($region_qry);
                $lgus = mysql_query("SELECT *
FROM local_government_unit WHERE region_id =
'".$region['id']."'");
                while($lgu_row =
mysql_fetch_array($lgus)){
                        array_push($lgu_arr,
$lgu_row['id']);
                }
        }
    }

    if(count($_POST['lgu']) >= 1){
        foreach ($_POST['lgu'] as $lgu_id){
                array_push($lgu_arr, $lgu_id);

        }
    }

    $lgu_arr = array_unique($lgu_arr);
    updateStatus($lgu_arr, $action, $state);

    echo $message;
    foreach($lgu_arr as $lgu_id){
        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit WHERE id = '$lgu_id'");
        $lgu_row = mysql_fetch_array($lgu_qry);
        echo("<div id=\"tab_space\">");
        echo $lgu_row['lgu_name']."<br/>";
        echo("</div>");
    }

    $subject         = clean($_POST['subject']);
    $message          = clean($_POST['message']);

    $post_qry = "INSERT INTO announcement
(subject, message, poster_id)
        VALUES('$subject', '$message',
'".$_SESSION['user_id']."')";
    $result = mysql_query($post_qry);

    $select_qry = mysql_query("SELECT MAX(id)
FROM announcement
        WHERE subject= '$subject' AND
        message = '$message' AND
        poster_id = '".$_SESSION['user_id']."'");
    $announcement =
mysql_fetch_array($select_qry);

    if(isset($_FILES['files']) &&
count($_FILES['files'])>0){
      $errors= array();
      foreach($_FILES['files']['tmp_name'] as $key =>
$tmp_name ){
        $file_name = $_FILES['files']['name'][$key];
        $file_size =$_FILES['files']['size'][$key];
        $file_tmp
=$_FILES['files']['tmp_name'][$key];
        $file_type=$_FILES['files']['type'][$key];
```

```php
    if($file_size > 2097152){
                  $errors[]='File size must be less
than 2 MB';
    }
        if($file_size < 1){
                  continue;
        }
    $query="INSERT INTO uploaded_file
(announcement_id, user_id, file_name, file_size,
file_type) VALUES('".$announcement['MAX(id)']."',
'".$_SESSION['user_id']."','$file_name','$file_size','$fi
le_type'); ";
      $desired_dir="user_data";
      if(empty($errors)==true){
        if(is_dir($desired_dir)==false){
          mkdir("$desired_dir", 0700);
    // Create directory if it does not exist
        }
        if(is_file("$desired_dir/".$file_name)==false){

move_uploaded_file($file_tmp,"$desired_dir/".$file
_name);
      }else{
                        // rename the file if
another one exist
                        $filename_arr =
explode(".", $file_name);

$new_dir="$desired_dir/".$filename_arr[0]. "
(".time().").".      $filename_arr[1];
        rename($file_tmp,$new_dir) ;

      }
                 mysql_query($query);

    }
       else{
                echo("Error: ");
      print_r($errors);
    }
  }

    }
?>
    <div id="whitespace_div">
    Your message was successfully posted with the
following information:
    <?php echo "Subject: ".$subject; ?>

    Message:
    <?php
    $order  = array("\r\n", "\n", "\r");
    $replace = '<br />';
```

```php
    $formatted_message = str_replace($order,
$replace, $message);
    echo $formatted_message; ?>
    </div>
    <br/>
<?php
    require("footer.php");
?>
```

register_manpower.php
```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')) {
        require("view_notice.php");
        exit;
    }
?>

    Register manpower<br/>
    <div id="line"></div>

    <form
action="process_manpower_registration.php"
method="POST">
    <table>
        <tr>
                <td>
                        First Name:
                </td>
                <td>
                        <input type = "text" name
= "first_name" size = "40" maxlength = "100"
required = "required">
                </td>
        </tr>
        <tr>
                <td>
                        Last Name:
                </td>
                <td>
                        <input type = "text" name
= "last_name" size = "40" maxlength = "100"
required = "required">
                </td>
        </tr>
```

```
        <tr>
                <td>
                        Contact number:
                </td>
                <td>
                        <input type = "text" name
= "contact_number" size = "40" maxlength = "13"
required = "required">
                </td>
        </tr>

                <?php
                if($position == 'ldrrmc'){
                        $ldrrmc_qry =
mysql_query("SELECT * FROM ldrrmc_lgu WHERE
user_id = '".$_SESSION['user_id']."'");
                        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
                        $lgu_id =
$ldrrmc_lgu['lgu_id'];
                        echo "</table>";
                        echo "<input
type=\"hidden\" name=\"location\"
value=\"$lgu_id\">";
                }
                else{
                echo "
                <tr>
                <td>
                        Location:
                </td>
                <td>
                        <select name=\"location\"
required = \"required\">
                ";

        $get_locations_query = mysql_query("SELECT *
FROM local_government_unit ORDER BY lgu_name
ASC");
                                while($location =
mysql_fetch_array($get_locations_query)){
                                        echo
"<option value=\"".$location['id']."\">
        ".$location['lgu_name']."
        </option>";
                                }
                echo "
                        </select>
                </td>
                </tr>
                ";
```

```
                echo "</table>";
                }
                ?>

        <input type="hidden" name="organization"
value="<?php echo($_SESSION['position']);
?>"><br/>

        <button name="action" type="submit"
value="register" />Register
        </form>


<?php
        require("footer.php");
?>
```

request_manpower_validation.php

```
<?php
        require("header.php");
        require("connect_to_db.php");
        require("authenticator_functions.php");

        $position = $_SESSION['position'];
        $user_id = $_SESSION['user_id'];
        if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
                require("view_notice.php");
                exit;
        }
?>
        <script type="text/javascript">

        function confirmAction(){
                var formobj =
document.getElementsByTagName("input");

                var counter = 0;
                for (var j = 0; j < formobj.length;
j++)
                {
                        if (formobj[j].type ==
"checkbox" && formobj[j].checked)
                        {
                                counter++;
                        }
                }

                if(counter > 0){
```

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```php
                    return true;
                    }
                    else if (counter < 1){
                    alert("No manpower were chosen.
Please choose at least one manpower to validate the
message.");
                    return false;
                    }
                }
    </script>

<?php
    $where_condition = "WHERE organization =
'ldrrmc'";
    if($position == 'ldrrmc'){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $lgu_id = $ldrrmc_lgu['lgu_id'];

        $where_condition = $where_condition."
AND location = '$lgu_id'";
    }

    if(isset($_POST['message_id'])){
        $message_id_arr = $_POST['message_id'];
    }

    $manpower_qry = mysql_query("SELECT * FROM
manpower
    $where_condition AND dispatch_status =
'available'
    ORDER BY (SELECT lgu_name FROM
local_government_unit WHERE
local_government_unit.id = manpower.location),
last_name ASC");
?>

    Request Message Validation by Manpower
    <div id="line"></div>
    Select manpower to verify the message:<br/>
    <?php
        $message_id = $message_id_arr[0];
        $message_qry = mysql_query("SELECT *
FROM rescue_message
                WHERE id = '$message_id'");
        $message =
mysql_fetch_array($message_qry);
        echo "From: ".$message['name']."<br/>";
        echo "Remarks:<br/>";
        echo $message['remarks'];
```

```php
        echo "<br/><br/>";
        echo "<form method = \"post\"
action=\"create_validation_request.php\">";
            echo "<table>";
            while($manpower =
mysql_fetch_array($manpower_qry)){
                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$manpower['location']."'");
                $lgu =
mysql_fetch_array($lgu_qry);

                echo "
                <tr>
                    <td>
                        <input
type=\"checkbox\" name=\"manpower_id[]\"
value=\"".$manpower['id']."\" >
                    </td>
                    <td>

    ".$manpower['last_name'].",
".$manpower['first_name']."
                    </td>
                    <td>

    ".$lgu['lgu_name']."
                    </td>
                    <td>

    ".$manpower['contact_number']."
                    </td>
                </tr>";
            }
            echo "</table>";

    echo "<input type=\"hidden\"
name=\"message_id\" value=\"$message_id\">";

    echo "<br/><input type=\"submit\"
value=\"Create Request\" onClick=\"return
confirmAction()\"/>";
    echo "</form>";
    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
    echo("<br/><br/>");
    require("footer.php");
?>
```

resolve_event.php

```php
<?php
    require("header.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
            require("view_notice.php");
            exit;
    }

    function relieveManpower($manpower_id){
            $update_record_qry =
mysql_query("UPDATE manpower
                    SET dispatch_status = 'available',
current_dispatch_record_id = '-1'
                    WHERE id = '$manpower_id'");
    }

    function endDispatchRecord($dispatch_record){
            $current_date = date("Y-m-d H:i:s");
            $update_record_qry =
mysql_query("UPDATE dispatch_record
                    SET status = 'ended', date_ended =
'$current_date'
                    WHERE id =
'".$dispatch_record['id']."'");

    relieveManpower($dispatch_record['recipient_id
']);
    }

    function
updateDispatchRecordsOfEvent($event){
            $event_id = $event['id'];

            $dispatch_records_qry =
mysql_query("SELECT * FROM dispatch_record
                    WHERE event_id = '$event_id'");
            while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){
                    if($dispatch_record['status'] !=
"ended"){

    endDispatchRecord($dispatch_record);
                    }
            }
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
            $region_qry = mysql_query("SELECT *
FROM region
                    WHERE id = '".$location_arr[1]."'");
            $region = mysql_fetch_array($region_qry);
            return $region['short_name']."
(".$region['region_name'].")";
    }
    elseif($location_arr[0] == "lgu"){
            $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                    WHERE id = '".$location_arr[1]."'");
            while($lgu = mysql_fetch_array($lgu_qry)){
                    array_push($location_labels,
$lgu['lgu_name']);
            }
            return implode(", ",$location_labels);
    }
    else{
            return "all regions";
    }
    }

    if(!isset($_POST['event_id'])){
            echo "No event was chosen.<br/>";
            require("footer.php");
    }

    $event_id     = clean($_POST['event_id']);
    $current_date = date("Y-m-d H:i:s");
    $post_qry = "UPDATE event SET status = 'ended',
date_ended = '$current_date'
            WHERE id = '$event_id'";
    $result = mysql_query($post_qry);

    if(mysql_error()){
            echo mysql_error()."<br/>";
            require("footer.php");
            exit;
    }

    $event_qry = mysql_query("SELECT * FROM
event
            WHERE id = '$event_id'");
    $event = mysql_fetch_array($event_qry);

    updateDispatchRecordsOfEvent($event);

    $title = $event['title'];
```

```php
    $location_label =
getLocationLabels($event['location']);
    $description = $event['description'];
    $location = $event['location'];
?>

    Resolve Event<br/>
    <div id="line"></div>

    Your event has been successfully updated with
the following information:<br/><br/>
    Title: <?php echo $title; ?><br/>
    Location: <?php echo $location_label;?><br/>
    Date started: <?php echo
$event['date_started'];?><br/>
    Date ended: <?php echo
$event['date_ended'];?><br/>
    Description:<br/><?php echo $description;
?><br/><br/>


    <form method = "post"
action="create_announcement.php">
    <input type="hidden" name="subject"
value="<?php echo $title." has been resolved"; ?>">
<?php
    $message = "$title at $location_label which
started on ".$event['date_started']." has been
resolved.

$description";
?>  <input type="hidden" name="message"
value="<?php echo $message; ?>">
    <input type="submit" value="Post an
announcement about this event">
    </form>
    <br/><br/>
<?php
    require("footer.php");
?>
```

resolve_report_data.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
```

```php
        exit;
    }

    $report_data_id = $_POST['report_data_id'];
    $event_id = $_POST['event_id'];

    if(!isset($report_data_id)){
        header('Location: index.php');
        exit;
    }

    mysql_query("UPDATE report_data
        SET status = 'resolved'
        WHERE id= '".$report_data_id."'");
    $header = "Location:
view_report_data.php?event_id=".$event_id;
    header($header);

?>
```

respond_resource_request.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'prc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
        require("view_notice.php");
        exit;
    }

    $process_action = $_POST['process_action'];
    $request_id = $_POST['request_id'];
    $remark = $_POST['remark'];

?>
    Respond to Resource Request<br/>
    <div id="line"></div>
<?php
    if(!isset($process_action) || !isset($request_id)){
        echo "No request was chosen.<br/>";
        require("footer.php");
        exit;
    }

    if($process_action == "cancel"){
```

```php
        $status = "cancelled";
        $message_label = "Remarks for
cancellation:<br/>";
    }
    elseif($process_action == "accept"){
        $status = "accepted";
        $message_label = "Remarks for
acceptance:<br/>";
    }
    elseif($process_action == "reject"){
        $status = "rejected";
        $message_label = "Remarks for
rejection:<br/>";
    }
    elseif($process_action == "forward"){
        $status = "forwarded";
        $message_label = "Remarks for
forwarding:<br/>";
    }

    $resource_request_qry = mysql_query("SELECT *
FROM resource_request
        WHERE id = '$request_id'");
    $resource_request =
mysql_fetch_array($resource_request_qry);

    $event_qry = mysql_query("SELECT * FROM
event
        WHERE id =
'".$resource_request['event_id']."'");
    $event = mysql_fetch_array($event_qry);
    $event_id = $event['id'];

    $current_date = date("Y-m-d H:i:s");

    $response_quantity = 0;
    if(isset($_POST['response_quantity'])){
        $response_quantity =
$_POST['response_quantity'];
    }
    mysql_query("UPDATE resource_request
        SET status = '".$status."', response_remarks
= '".clean($remark)."', date_responded =
'$current_date', response_quantity =
'$response_quantity'
        WHERE id= '".$request_id."'");
    if($status == "forwarded"){
        $status = "processed";
    }
    echo "You have successfully $status this request
with the following remarks:<br/><br/>";
    echo $remark;
    echo "<br/><br/>";
```

```php
    if($process_action == "forward"){
        echo "<form method=\"post\"
action=\"input_request_details.php\">";
        echo "<input type=\"hidden\"
name=\"request_id\" value=\"$request_id\"
/><br/><br/>";
        echo "<input type=\"hidden\"
name=\"process_action\"
value=\"$process_action\"/><br/><br/>";
        echo "<input type=\"submit\"
value=\"Forward Deficiencies\"/><br/><br/>";
        echo "</form>";
    }
    else{
    echo "<form method=\"post\"
action=\"manage_resource_requests.php\">";
    if($process_action == "cancel"){
    echo "<input type=\"hidden\"
name=\"event_id\" value=\"$event_id\"/>";
    }
    echo "<input type=\"submit\" value=\"Go back to
resource requests page\"/><br/><br/>";
    echo "</form>";
    }
    require("footer.php");
?>
```

select_message_recipients.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $position = $_SESSION['position'];
  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

    $where_condition = "organization = '$position'";
    $where_event_str = "";
    if($position == 'ldrrmc'){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $lgu_id = $ldrrmc_lgu['lgu_id'];
```

```php
        $where_condition = $where_condition."
AND location = '$lgu_id'";
        $where_event_str = "AND location =
'lgu;".$lgu_id."'";
    }

    if(isset($_POST['event_id'])){
        $given_event_id = $_POST['event_id'];
    }
    if(isset($_GET['event_id'])){
        $given_event_id = $_GET['event_id'];
    }

    if(isset($given_event_id)){
        $where_event_str = $where_event_str."
AND id = '".$given_event_id."'";
    }

    $result = mysql_query("SELECT * FROM
manpower WHERE $where_condition ORDER BY
(SELECT lgu_name FROM local_government_unit
WHERE local_government_unit.id =
manpower.location)");
?>

    Manage manpower dispatch
    <?php
    if(isset($given_event_id)){
        $event_qry = mysql_query("SELECT * FROM
event
                WHERE id = '".$given_event_id."'");
        $event = mysql_fetch_array($event_qry);
        $chosen_event_title = $event['title'];
        $chosen_event_id = $event['id'];
        echo "for $chosen_event_title";
    }
    ?>
    <br/>
    <div id="line"></div>

    <?php
        $deployed_qry = mysql_query("SELECT *
FROM manpower WHERE $where_condition AND
dispatch_status = 'deployed'");
        $deployed_count =
mysql_num_rows($deployed_qry);
    ?>

    Deployed manpower units

    <form action="input_sms_message.php"
method="POST">
```

```php
<?php
    $deployed_count = 0;
    $ongoing_events = mysql_query("SELECT *
FROM event
            WHERE status = 'ongoing'
$where_event_str");
    while($event =
mysql_fetch_array($ongoing_events)){
            $dispatch_records_qry =
mysql_query("SELECT * FROM dispatch_record
            WHERE response = 'accept' AND
status = 'ongoing' AND event_id = '".$event['id']."'");

    if(mysql_num_rows($dispatch_records_qry) > 0){
                $deployed_count++;
                echo
"<br/>".$event['title'].":
".mysql_num_rows($dispatch_records_qry)."
manpower dispatched";
                echo "<table>";
                while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){
                $recipient_qry =
mysql_query("SELECT * FROM manpower
                    WHERE id =
'".$dispatch_record['recipient_id']."' AND
dispatch_status = 'deployed'
                    ORDER BY
location ASC, last_name ASC");
                $row =
mysql_fetch_array($recipient_qry);

                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                $lgu =
mysql_fetch_array($lgu_qry);

                echo "
                <tr>
                    <td>
                        <input
type=\"checkbox\" name=\"manpower[]\"
value=\"".$row['id']."\" >
                    </td>
                    <td>

".$row['last_name'].", ".$row['first_name']."
".$row['id']."
                    </td>
                    <td>
```

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```php
        ".$lgu['lgu_name']."
                                </td>
                                <td>
        ".$row['contact_number']."
                                </td>
                            </tr>";
                        }
                        echo "</table>";
                }

        }

    if($deployed_count < 1){
        echo "No manpower are currently
deployed.";
    }

    if(isset($given_event_id)){
        echo "<input type=\"hidden\"
name=\"prev_path\"
value=\"select_message_recipients.php?event_id=$
chosen_event_id\">";
    }
    ?>

    <div id="line"></div>

    Pending approval manpower units

    <?php
        $pending_count = 0;
        $ongoing_events = mysql_query("SELECT *
FROM event
                WHERE status = 'ongoing'
$where_event_str");
        while($event =
mysql_fetch_array($ongoing_events)){
                $dispatch_records_qry =
mysql_query("SELECT * FROM dispatch_record
                WHERE response = 'no response'
AND status != 'ended' AND event_id =
'".$event['id']."'");

    if(mysql_num_rows($dispatch_records_qry) > 0){
                                $pending_count++;
                                echo
"<br/>".$event['title'].":
".mysql_num_rows($dispatch_records_qry)."
manpower dispatched";
                                echo "<table>";

                        while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){
                                $recipient_qry =
mysql_query("SELECT * FROM manpower
                                WHERE id =
'".$dispatch_record['recipient_id']."' AND
dispatch_status = 'pending approval'
                                ORDER BY
location ASC, last_name ASC");
                                $row =
mysql_fetch_array($recipient_qry);

                                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                                $lgu =
mysql_fetch_array($lgu_qry);

                                echo "
                                <tr>
                                    <td>
                                        <input
type=\"checkbox\" name=\"manpower[]\"
value=\"".$row['id']."\" >
                                    </td>
                                    <td>
        ".$row['last_name'].", ".$row['first_name']."
                                    </td>
                                    <td>
        ".$lgu['lgu_name']."
                                    </td>
                                    <td>
        ".$row['contact_number']."
                                    </td>
                                </tr>";
                                }
                                echo "</table>";
                        }

        }

    if($pending_count < 1){
        echo "<br/>No manpower are currently
pending for response.";
    }
    if(isset($given_event_id)){
        echo "<input type=\"hidden\"
name=\"prev_path\"
```

```php
value=\"select_message_recipients.php?event_id=$
chosen_event_id\">";
    }
    ?>

    <div id="line"></div>


    <?php
        $available_qry = mysql_query("SELECT *
FROM manpower WHERE $where_condition AND
dispatch_status = 'available'
        ORDER BY location ASC, last_name ASC");
        $available_count =
mysql_num_rows($available_qry);
    ?>

    Available manpower units: <?php echo
$available_count;?><br/>
    <?php if($available_count > 0){?>
    <table>
        <?php while($row =
mysql_fetch_array($available_qry)) : ?>
        <tr>
            <td>
                <input type="checkbox"
name="manpower[]" value="<?php echo $row['id'];
?>" >
            <td>
                <?php echo
$row['last_name'].", ".$row['first_name']; ?></td>
            <td>
                <?php
                    $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$row['location']."'");
                    $lgu =
mysql_fetch_array($lgu_qry);
                    echo
$lgu['lgu_name'];
                ?>
            </td>
            <td>
                <?php echo
$row['contact_number']; ?>
            </td>
            <td>
                <?php echo
$row['dispatch_status']; ?>
            </td>
        </tr>
        <?php endwhile; ?>
```

```php
        </table><br/>
<?php
    if($_SESSION['position'] == "ldrrmc"){
                $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu WHERE
                                user_id =
'".$_SESSION['user_id']."'");
                $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);
                $event_qry = mysql_query("SELECT
* FROM event WHERE
                                status = 'ongoing' AND
location = 'lgu;".$ldrrmc_lgu['lgu_id']."'
                                ORDER BY date_started
DESC");
    }

?>
    <button type="submit" />Create SMS
Message</button>
    <input type="hidden" name="prev_path"
value="select_message_recipients.php">
    </form>
    <?php } ?>
    <div id="line"></div>

<?php
    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
        echo("<br/><br/>");
    }
    require("footer.php");
?>
```

send_dispatch_message.php

```php
<?php

require("header.php");
require("clean.php");

require_once "envaya_sms_gateway/config.php";
require_once
"envaya_sms_gateway/EnvayaSMS.php";

echo("Send SMS Message");
echo("<div id=\"line\"></div>");

$recipients_arr = $_POST['recipient'];
$body = $_POST['message'];
```

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```php
$table_name = $_POST['table_name'];
$event_id = $_POST['event_id'];

if (count($recipients_arr) < 1)
{
    error_log("Usage: php send_sms.php <to>
\"<message>\"");
    error_log("Example: ");
    error_log("    php send_sms.php 16504449876
\"hello world\"");
    error_log("    no recipients were chosen");
    echo ("No recipients were chosen.<br>");
    require("footer.php");
    die;
}
if (strlen($body) < 1)
{
    error_log("Usage: php send_sms.php <to>
\"<message>\"");
    error_log("Example: ");
    error_log("    php send_sms.php 16504449876
\"hello world\"");
    error_log("    no body was given");
    echo("No body was given<br>");
    require("footer.php");
    die;
}

$receiver_arr = array();
foreach($recipients_arr as $recipient_id){
    $recipient_qry = mysql_query("SELECT * FROM
$table_name WHERE id = '$recipient_id'");
    $recipient = mysql_fetch_array($recipient_qry);

    if(mysql_error()){
        error_log("Error occured in send_sms.php:
".mysql_error());
        echo("Error occured in send_sms.php:
".mysql_error()."<br>");
        continue;
    }

    $to = $recipient['contact_number'];
    $body = $_POST['message'];
    $transaction_code =
$recipient_id.rand(1000,9999);


    $pre_str = "Attention, ".$recipient['first_name']."
".$recipient['last_name'].": ";
    $post_str = "";
    if($_POST['action'] == "dispatch"){
        $post_str = " TRANSACTION CODE =
".$transaction_code;
    }

    $message = new
EnvayaSMS_OutgoingMessage();
    $message->id = uniqid("");
    $message->to = $to;
    $message->message = $pre_str.$body.$post_str;

    file_put_contents("$SEND_SMS_DIR_NAME/{$message->id}.json", json_encode($message));

    array_push($receiver_arr,
$recipient['first_name']."
".$recipient['last_name'].$recipient['name']."
<".$to.">");

    if($table_name == "manpower"){
        $status = $_POST['status'];
        $manpower_qry = mysql_query("SELECT *
FROM manpower WHERE
                id = '$recipient_id'");
        $manpower =
mysql_fetch_array($manpower_qry);
        $update_qry = mysql_query("UPDATE
manpower
                SET dispatch_status = '$status'
                WHERE id = '$recipient_id'");

        $clean_body = clean($body);

        if($_POST['action'] == "dispatch"){
            $dispatch_record_qry =
mysql_query("INSERT INTO dispatch_record
                            (recipient_id, sender_id,
event_id, transaction_code)
                            VALUES ('$recipient_id',
'".$_SESSION['user_id']."', '$event_id',
$transaction_code)");

                if(mysql_error()){
                    echo
"error:".mysql_error()."<br/>";
                }

                $dispatch_qry =
mysql_query("SELECT * FROM dispatch_record
                WHERE event_id = '$event_id' AND
recipient_id = '$recipient_id' AND sender_id =
'".$_SESSION['user_id']."'
                AND transaction_code =
'$transaction_code'
```

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```php
                    AND date_sent = (SELECT
MAX(date_sent) FROM dispatch_record
                    WHERE event_id = '$event_id' AND
recipient_id = '$recipient_id' AND sender_id =
'".$_SESSION['user_id']."' AND transaction_code =
'$transaction_code')");
                    $dispatch_record =
mysql_fetch_array($dispatch_qry);
                    $dispatch_record_id =
$dispatch_record['id'];

                    $update_qry =
mysql_query("UPDATE manpower
                    SET current_dispatch_record_id =
'$dispatch_record_id'
                    WHERE id = '$recipient_id'");

                    $dispatch_message_qry =
mysql_query("INSERT INTO dispatch_message
                            (dispatch_record_id,
message)
                    VALUES
('$dispatch_record_id', '$clean_body')");

                    if(mysql_error()){
                            echo
"error:".mysql_error()."<br/>";
                    }

            }

            if($_POST['action'] == "relieve"){
                    $dispatch_record_id =
$manpower['current_dispatch_record_id'];

                    $update_qry =
mysql_query("UPDATE manpower
                    SET current_dispatch_record_id =
'-1', dispatch_status = 'available'
                    WHERE id = '$recipient_id'");

                    $dispatch_record_qry =
mysql_query("UPDATE dispatch_record SET
                            date_ended = '".date("Y-
m-d H:i:s")."', status = 'ended'
                            WHERE id =
'$dispatch_record_id'");

                    $dispatch_message_qry =
mysql_query("INSERT INTO dispatch_message
                            (dispatch_record_id,
message)
```

```php
                    VALUES
('$dispatch_record_id', '$clean_body')");

                    if(mysql_error()){
                            echo
"error:".mysql_error()."<br/>";
                    }
            }
    }
}

if(count($receiver_arr) > 0){
    echo("Your message has been queued for
sending to: <br/>");
    echo(implode('; ', $receiver_arr)."<br/><br/>");
    echo("Message:<br/>");
    echo($message->message);
    if(isset($_POST['prev_path'])){
            echo("<br/><br/>");
            echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
}

require("footer.php");
?>
```

send_message.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
            require("view_notice.php");
            exit;
    }
?>
    Send Message
    <div id="line"></div>
<?php

    $errmsg_arr = array();

    $errflag = false;
        require("clean.php");
    $recipients        = clean($_POST['recipients']);
    $subject        = clean($_POST['subject']);
    $raw_message        = ($_POST['message']);
```

```php
        $message         =
clean($_POST['message']);
    $recipients_array = explode(",", $recipients);

    $recipient_names = array();
    $recipient_ids = array();
    foreach ($recipients_array as $recipient) {
                $qry = "SELECT id FROM user
WHERE username = '".trim($recipient)."'";
                $result = mysql_query($qry);
                if(mysql_num_rows($result) < 1){
                        $errmsg_arr[] =
"$recipient doesn't exist";
                        $errflag = true;
                }
                else{
                        $row =
mysql_fetch_array($result, MYSQL_ASSOC);
                        $recipient_id = $row['id'];

    array_push($recipient_ids, $recipient_id);

    array_push($recipient_names, $recipient);
                }
        }

        array_push($recipient_ids,
$_SESSION['user_id']);
        $recipient_ids =
array_unique($recipient_ids);

        if(strlen($subject)<1){
                $subject = "(no subject)";
    }

    if(isset($_POST['thread'])){
        $mission_id = $_POST['thread'];
        $qry = mysql_query("SELECT
MAX(sequence_id) FROM mission WHERE id =
'$mission_id'");
        $row = mysql_fetch_array($qry);
        $sequence_id = $row['MAX(sequence_id)']
+ 1;
    }
    else{
    $qry = "SELECT MAX(id) FROM mission";
    $result = mysql_query($qry);
    $row = mysql_fetch_array($result,
MYSQL_ASSOC);
        $mission_id = $row['MAX(id)'] + 1;
        $sequence_id = 1;
        }

        $qry = "INSERT INTO mission (id, sequence_id,
author_id, subject, message)
                        VALUES('$mission_id',
'$sequence_id', '".$_SESSION['user_id']."', '$subject',
'$message')";
        $result = mysql_query($qry);
        if (mysql_error()){
                print "Your message cannot be
sent because:";
                echo
"<br>error:".mysql_error()."<br>";
                echo "<br/><a
href=\"messages.php\">Back to Inbox</a><br/>";
                require("footer.php");
                exit;
        }
        if($errflag){
                print "Your message
cannot be sent because:<br/>";
                foreach($errmsg_arr as
$error){
                        print
"$error<br/>";
                }
                echo "<br/><a
href=\"messages.php\">Back to Inbox</a><br/>";
                require("footer.php");
                exit;
        }

        foreach($recipient_ids as
$recipient_id){
                if($recipient_id ==
$_SESSION['user_id']){
                        $status = "read";
                }
                else{
                        $status =
"unread";
                }
                $qry = "INSERT INTO
mission_member (mission_id, sequence_id,
recipient_id, status)

    VALUES('$mission_id', '$sequence_id',
'$recipient_id', '$status')";
                $result =
mysql_query($qry);
                if (mysql_error()){
                        echo "Your
message couldn't be send because:";
                        echo
"<br>".mysql_error()."<br>";
```

```php
                                echo "<br/><a
href=\"messages.php\">Back to Inbox</a><br/>";
                                require("footer.php");
                                exit;
                        }
                        if(!$result){
                                echo "<br>Your
message was not sent.<br>";
                                echo "<br/><a
href=\"messages.php\">Back to Inbox</a><br/>";
                                require("footer.php");
                                exit;
                        }
                }

                echo ("Your message has been sent
to: <br/>");
                echo implode('; ',
$recipient_names)."<br/><br/>";
                echo("Subject: ".$subject."<br/>");
                echo("<div
id=\"whitespace_div\">");
                echo("Message:<br/>");

                echo($raw_message);
                echo("</div>");

        echo "<br/><a href=\"messages.php\">Back to
Inbox</a><br/>";
        require("footer.php");
?>
```

send_reply_message.php

```php
<?php
    require("header.php");
    require("connect_to_db.php");
    require("clean.php");

    $mission_id =
mysql_real_escape_string($_POST['thread']);
    $user_id = $_SESSION['user_id'];
    $result = mysql_query("SELECT * FROM
mission_member WHERE recipient_id = '$user_id'
AND mission_id = '$mission_id'");
    if(mysql_num_rows($result) == 0) {
        require("view_notice.php");
        exit;
    }

    $mission_id = $_POST['thread'];
    $message_subject = clean($_POST['subject']);
    $recipients_string = clean($_POST['recipients']);
```

```php
    $messages = mysql_query("SELECT * FROM
mission WHERE id = '$mission_id' ORDER BY
sequence_id");
    $message = mysql_fetch_array($messages,
MYSQL_ASSOC);
    $message_subject = $message['subject'];

    $result = mysql_query("SELECT username FROM
user WHERE id = '".$message['author_id']."'");
    $sender = mysql_fetch_array($result,
MYSQL_ASSOC);
    $sender_name = $sender['username'];
?>
    Send Message<br/>
    <div id="line"></div>
<?php
    echo("Subject: $message_subject<br/>");
    echo("To: ");
    $recipients = mysql_query("SELECT DISTINCT
recipient_id FROM mission_member
        WHERE mission_id = '$mission_id' AND
recipient_id != '".$_SESSION['user_id']."'");

    $recipients = mysql_query("SELECT DISTINCT
recipient_id FROM mission_member
        WHERE mission_id = '$mission_id' AND
recipient_id != '".$_SESSION['user_id']."'");

    $recipient_arr = array();
    while($mission_member =
mysql_fetch_array($recipients, MYSQL_ASSOC)){
        $user = mysql_query("SELECT username
FROM user WHERE id =
'".$mission_member['recipient_id']."'");
        $recipient = mysql_fetch_array($user,
MYSQL_ASSOC);
        array_push($recipient_arr,
$recipient['username']);
    }

    $recipients_string = implode(",", $recipient_arr);
    echo("$recipients_string<br/><br/>");

?>
    Reply:<br/>
    <form action="send_message.php"
method="POST">
        <input type="hidden" name="thread"
value="<?php echo $mission_id; ?>">
        <input type="hidden" name="subject"
value="<?php echo $message_subject; ?>">
```

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```php
        <input type="hidden" name="recipients"
value="<?php echo $recipients_string; ?>">
        <textarea name = "message" rows="20"
cols="50" required = "required" ></textarea><br/>
        <input type="SUBMIT" name = "SUBMIT"
value="Send" />
    </form>

<?php
    require("footer.php");
?>
```

send_sms.php
```php
<?php
require("header.php");
require("connect_to_db.php");

require_once "envaya_sms_gateway/config.php";
require_once
"envaya_sms_gateway/EnvayaSMS.php";

echo("Send SMS Message");
echo("<div id=\"line\"></div>");

$recipients_arr = $_POST['recipient'];
$body = $_POST['message'];
$table_name = $_POST['table_name'];

if (count($recipients_arr) < 1)
{
    error_log("Usage: php send_sms.php <to>
\"<message>\"");
    error_log("Example: ");
    error_log("    php send_sms.php 16504449876
\"hello world\"");
    error_log("    no recipients were chosen");
    echo ("No recipients were chosen.<br>");
    require("footer.php");
    die;
}
if (strlen($body) < 1)
{
    error_log("Usage: php send_sms.php <to>
\"<message>\"");
    error_log("Example: ");
    error_log("    php send_sms.php 16504449876
\"hello world\"");
    error_log("    no body was given");
    echo("No body was given<br>");
    require("footer.php");
    die;
}

$receiver_arr = array();
foreach($recipients_arr as $recipient_id){
    $recipient_qry = mysql_query("SELECT * FROM
$table_name WHERE id = '$recipient_id'");
    $recipient = mysql_fetch_array($recipient_qry);

    if(mysql_error()){
        error_log("Error occured in send_sms.php:
".mysql_error());
        echo("Error occured in send_sms.php:
".mysql_error()."<br>");
        continue;
    }

    $to = $recipient['contact_number'];
    $body = $_POST['message'];

    $message = new
EnvayaSMS_OutgoingMessage();
    $message->id = uniqid("");
    $message->to = $to;
    $message->message = $body;

    file_put_contents("$SEND_SMS_DIR_NAME/{$m
essage->id}.json", json_encode($message));

    $name = "";
    if(isset($recipient['last_name'])){
        $name = $recipient['first_name']."
".$recipient['last_name'];
    }
    if(isset($recipient['name'])){
        $name = $recipient['name'];
    }
    array_push($receiver_arr, $name." <".$to.">");

}

if(count($receiver_arr) > 0){
    echo("Your message has been queued for
sending to: <br/>");
    echo(implode('; ', $receiver_arr)."<br/><br/>");
    echo("Message:<br/>");
    echo(nl2br($message->message));
    echo("<br/><br/>");
}
require("footer.php");
?>
```

send_validation_request.php

```php
<?php
    require("header.php");
```

```php
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

    require_once
"envaya_sms_gateway/config.php";
    require_once
"envaya_sms_gateway/EnvayaSMS.php";


    $position = $_SESSION['position'];
  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ndrrmc')){
        require("view_notice.php");
        exit;
    }
?>
    Send Validation Request<br/>
    <div id="line"></div>
<?php
    if(!isset($_POST['message_id']) ||
!isset($_POST['manpower_id']) ||
!isset($_POST['message'])){
        echo "Cannot Send Validation Request
because of:<br/>";
        if(!isset($_POST['message_id'])){
                echo "No message was
chosen.<br/>";
        }
        if(!isset($_POST['manpower_id'])){
                echo "No manpower was
chosen.<br/>";
        }
        if(!isset($_POST['message'])){
                echo "No request text was
given.<br/>";
        }
        require("footer.php");
        exit;
    }

    if(isset($_POST['message_id'])){
        $message_id = $_POST['message_id'];
    }
    if(isset($_POST['manpower_id'])){
        $manpower_id_arr =
$_POST['manpower_id'];
    }
    if(isset($_POST['message'])){
        $text = clean($_POST['message']);
    }

    $receiver_arr = array();
foreach($manpower_id_arr as $recipient_id){
    $recipient_qry = mysql_query("SELECT * FROM
manpower WHERE id = '$recipient_id'");
    $recipient = mysql_fetch_array($recipient_qry);

    if(mysql_error()){
        error_log("Error occured in send_sms.php:
".mysql_error());
        echo("Error occured in send_sms.php:
".mysql_error()."<br>");
        continue;
    }

    $to = $recipient['contact_number'];
    $body = $_POST['message'];
    $transaction_code =
$recipient_id.rand(1000,9999);

    $message = new
EnvayaSMS_OutgoingMessage();
    $message->id = uniqid("");
    $message->to = $to;
    $message->message = $body." <TRANSACTION
CODE> = $transaction_code";

    file_put_contents("$SEND_SMS_DIR_NAME/{$m
essage->id}.json", json_encode($message));

    array_push($receiver_arr,
$recipient['first_name']."
".$recipient['last_name'].$recipient['name']."
<".$to.">");
    $request_qry = mysql_query("INSERT INTO
validation_request
    (message_id, manpower_id, user_id,
transaction_code)
    VALUES ('$message_id', '$recipient_id',
'".$_SESSION['user_id']."', '$transaction_code')");
}

if(count($receiver_arr) > 0){
    echo("Your validation request has been queued
for sending to: <br/>");
    echo(implode('; ', $receiver_arr)."<br/><br/>");
    echo("Message:<br/>");
    echo($_POST['message']);
    echo("<br/><br/>");
}


    if(isset($_POST['prev_path'])){
```

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```php
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
    }
    echo("<br/><br/>");
    require("footer.php");
?>
```

show_events.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $region_qry = mysql_query("SELECT *
FROM region
                WHERE id = '".$location_arr[1]."'");
        $region = mysql_fetch_array($region_qry);
        return $region['short_name']."
(".$region['region_name'].")";
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        $lgu = mysql_fetch_array($lgu_qry);
        return $lgu['lgu_name'];
    }
    else{
        return "all regions";
    }
    }


    if(isset($_POST['start_date'])){
        $start_date = $_POST['start_date'];
    }
    if(isset($_POST['end_date'])){
        $end_date = $_POST['end_date'];
    }
    if(isset($_POST['location'])){
        $location = $_POST['location'];
    }
    $conditions_arr = array();
    if(strlen($start_date) > 0 && strlen($end_date) >
0){
        array_push($conditions_arr," (date_started
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'
                OR date_ended BETWEEN
'$start_date 00:00:00' AND '$end_date 23:59:59')");
    }
    elseif(strlen($start_date) > 0){
        array_push($conditions_arr," date_started
>= '$start_date 00:00:00'");
    }
    elseif(strlen($end_date) > 0){
        array_push($conditions_arr," date_ended <
'$end_date 23:59:59'");
    }
    else{
        $current_date  = date("Y-m-d");
        array_push($conditions_arr," (date_started
BETWEEN '$current_date 00:00:00' AND
'$current_date 23:59:59'
                OR date_ended BETWEEN
'$current_date 00:00:00' AND '$current_date
23:59:59')");
    }

    $location_arr = explode(";", $location);
    if($location_arr[0] == "lgu"){
        array_push($conditions_arr," location =
'$location'");
    }
    if($location_arr[0] == "region"){
        $locations_qry = mysql_query("SELECT *
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."'");
        $location_id_arr = array();
        while($lgu =
mysql_fetch_array($locations_qry)){

    array_push($location_id_arr,"'lgu;".$lgu['id']."'");
        }
        $lgu_str = ", ".implode(", ",
$location_id_arr);
        array_push($conditions_arr, " location IN
('$location'$lgu_str)");

    }

    $where_str = "";
```

```php
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $events_qry = mysql_query("SELECT * FROM
event
    $where_str
    ORDER BY date_started DESC");
    $location_label = getLocationLabels($location);
?>

    View Events<br/>
    <div id="line"></div>

    Number of Retrieved Events <?php echo
"between $start_date and $end_date from
$location_label: ".mysql_num_rows($events_qry);
?><br/><br/>
<?php
    if(mysql_num_rows($events_qry) > 0){
        echo "<table border=\"1\">";
                echo "<tr>";
                echo "<td>";
                echo "Title";
                echo "</td>";
                echo "<td>";
                echo "Location";
                echo "</td>";
                echo "<td>";
                echo "Date Started";
                echo "</td>";
                echo "<td>";
                echo "Status";
                echo "</td>";
                echo "</tr>";
            while($event =
mysql_fetch_array($events_qry)){
                $location = $event['location'];
                $location_label =
getLocationLabels($location);
                echo "<tr>";
                echo "<td>";
                echo "<a class=\"bullet\"
href=\"view_event.php?event_id=".$event['id']."\">"
.$event['title']."</a>";
                echo "</td>";
                echo "<td>";
                echo $location_label;
                echo "</td>";
                echo "<td>";
                echo $event['date_started'];
                echo "</td>";
```

```php
                echo "<td>";
                echo $event['status'];
                if($event['status'] == 'ended'){
                            echo
"<br/>".$event['date_ended'];
                }
                echo "</td>";
                echo "</tr>";
        }
        echo "</table>";
    }

    if(isset($_POST['prev_path'])){
        echo("<br/><br/>");
        echo("<a href =
\"".$_POST['prev_path']."\">Back</a>");
        echo("<br/><br/>");
    }

    require("footer.php");
?>
```

show_report_data.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");
    require("clean.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
```

```php
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    else{
        return " from all regions";
    }
    }


    if(!isset($_GET['event_id'])){
    $start_date = clean($_POST['start_date']);
    $end_date = clean($_POST['end_date']);
    $location = clean($_POST['location']);

    $conditions_arr = array();
    if(strlen($start_date) > 0 && strlen($end_date) >
0){
        array_push($conditions_arr," date_received
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'");
    }
    elseif(strlen($start_date) > 0){
        array_push($conditions_arr," date_received
>= '$start_date 00:00:00'");
    }
    elseif(strlen($end_date) > 0){
        array_push($conditions_arr," date_received
< '$end_date 23:59:59'");
    }
    else{
        $current_date  = date("Y-m-d");
        array_push($conditions_arr," date_received
BETWEEN '$current_date 00:00:00' AND
'$current_date 23:59:59'");
    }

    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        array_push($conditions_arr,
                "location IN (SELECT lgu_name
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."')");
    }
    elseif($location_arr[0] == "lgu"){
        array_push($conditions_arr,

                "location IN (SELECT lgu_name
FROM local_government_unit
                WHERE id =
'".$location_arr[1]."')");
    }

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $report_data_qry = mysql_query("SELECT *
FROM report_data
    $where_str
    ORDER BY date_received DESC, location");

    $rescue_message_qry = mysql_query("SELECT *
FROM rescue_message
    $where_str
    ORDER BY date_received DESC, location");
    $location_label = getLocationLabels($location);

    if(mysql_error()){
        echo mysql_error()."<br/>";
    }
    $header_label = "between $start_date and
$end_date$location_label";
    $parameter_str =
"start_date=$start_date&end_date=$end_date&loc
ation=$location";
    }

    if(isset($_GET['event_id']) ||
isset($_POST['event_id'])){
        if(isset($_GET['event_id'])){
        $event_id = $_GET['event_id'];
        }
        if(isset($_POST['event_id'])){
        $event_id = $_POST['event_id'];
        }
        $event_qry =  mysql_query("SELECT *
FROM event
                WHERE id = '$event_id'");
        $event = mysql_fetch_array($event_qry);

        $title = $event['title'];
        $description = $event['description'];

        $text = trim($description);
        $description_arr = explode("\n", $text);
```

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```php
        $description_arr =
array_filter($description_arr, 'trim'); // remove any
extra \r characters left behind

        $start_date = $event['date_started'];
        $end_date = $event['date_ended'];
        $location = $event['location'];
        $header_label = "for $title";

        $dispatch_record_qry = "SELECT id FROM
dispatch_record
        WHERE event_id = '$event_id'";
        $compiled_where_str = "WHERE
dispatch_record_id IN ($dispatch_record_qry)";
        $parameter_str = "event_id=$event_id";
    }
?>

<script type="text/javascript">
var count = 1;
var overview_count = 0;
var action_count = 0;

function addBullet(textAreaName, divName, tab){
    if(tab == "overview"){
        overview_count++;
    }
    if(tab == "action"){
        action_count++;
    }
    var rand = Math.floor(Math.random()*9999);
    var input = document.createElement("textarea");
    input.name = textAreaName;
    input.id = rand;
    input.cols = "50";
    input.rows = "2";
    input.required = "required";
    document.getElementById(divName).appendChil
d(input);
}

function removeLastElement(divName, tab){
    if(tab == "overview" && overview_count <= 1){
        alert('You need to have at least one
description.');
        return;
    }
    if(tab == "action" && action_count <= 1){
        alert('You need to have at least one
description.');
        return;
    }
    if(tab == "overview"){
        overview_count--;
    }
    if(tab == "action"){
        action_count--;
    }
    var parent =
document.getElementById(divName);
    if(!(parent.firstChild.isEqualNode(parent.lastChild
))){
        parent.removeChild(parent.lastChild);
    }
}

function appendAction(textAreaName, divName,
selectId, tab) {
    if(tab == "overview"){
        overview_count++;
    }
    if(tab == "action"){
        action_count++;
    }

    var e = document.getElementById(selectId);
    var strUser = e.options[e.selectedIndex].value;
    var rand = Math.floor(Math.random()*9999);

    var input = document.createElement("textarea");
    input.name = textAreaName;
    input.id = rand;
    input.cols = "50";
    input.rows = "2";
    input.value = strUser;
    document.getElementById(divName).appendChil
d(input);
}

function checkFields(){
    if(overview_count < 1){
        alert("You need to have at least 1
description.");
        return false;
    }
    if(action_count < 1){
        alert("You need to have at least 1 action.");
        return false;
    }
    return true;
}
</script>

    Create DMCS Report
    <div id="line"></div>
```

```php
    Data retrieved <?php echo $header_label; ?>
<br/><br/>
    <form method="POST">
    <input type="submit" value="Show Civilian
Messages" onClick="this.form.action='<?php echo
"view_event_messages.php?$parameter_str";?>';thi
s.form.target='_blank';return true;" />
    <input type="submit" value="Show Report Data"
onclick="this.form.action='<?php echo
"view_report_data.php?$parameter_str";?>';this.for
m.target='_blank';return true;" />
    <input type="submit" value="Show Dispatch
Statistics" onclick="this.form.action='<?php echo
"view_dispatch_statistics.php?$parameter_str";?>';t
his.form.target='_blank';return true;" /><br/>
    </form>

    <br/>
    <form action="generate_report.php"
method="POST">
    <input type = "hidden" name = "pure_title"
<?php
    if(isset($title)){
          echo "value = \"$title\" ";
    }
    ?>/>
    <div id="line"></div>
    Report Title:
    <input type = "text" name = "report_title" <?php
    if(isset($title)){
          echo "value = \"Update Re $title\" ";
    }
    ?>required = "required" size="59"/><br/>
    <div id="line"></div>
    <div id="mainField">

    <fieldset id="event_1">
    Event Title: <input type = "text" name =
"event_title[]"
    <?php
    if(isset($title)){
          echo "value = \"$title\" ";
    }
    ?>size="51" required = "required"><br />
    SITUATION OVERVIEW:<br/>
    <div id="overview_1">
    <?php
    if(!isset($description_arr)){
          echo "<textarea name=\"overview_1[]\" id
= \"ove_1\" rows=\"2\" cols=\"50\" required =
\"required\" text-align = \"left\"></textarea><br/>";
    }
    ?>
    </div>
    <?php
    if(isset($description_arr)){
    echo "<select id=\"description_1\">";
    foreach($description_arr as $description){
          echo "<option
value=\"$description\">$description</option>";
    }
    echo "</select><br/>";
    echo "<input type=\"button\" value=\"Add an
overview description\"
onClick=\"appendAction('overview_1[]','overview_1'
, 'description_1', 'overview')\" ><br/>";

    }
    ?>
    <button type="button"
onclick="addBullet('overview_1[]', 'overview_1',
'overview')">Add bullet</button>
    <input type="button" value="Remove last bullet"
onclick="removeLastElement('overview_1','overview
')">
    <br/><br/>
    ACTIONS TAKEN:<br/>
    <div id="action_1">

    <?php
    if(isset($event_id)){
    $dispatch_records_qry = mysql_query("SELECT *
FROM dispatch_record
          WHERE event_id = '$event_id' AND
response = 'accept'");
    if(mysql_num_rows($dispatch_records_qry) > 0){
    $dispatch_record_id_arr = array();
    while($dispatch_record =
mysql_fetch_array($dispatch_records_qry)){
          array_push($dispatch_record_id_arr,
$dispatch_record['id']);
    }

    $dispatch_id_str =
implode(",",$dispatch_record_id_arr);

    $actions_qry = mysql_query("SELECT * FROM
report_data
          WHERE dispatch_record_id IN
($dispatch_id_str) AND type = 'action'");
    }
    }

    if(isset($actions_qry) &&
mysql_num_rows($actions_qry) > 0){
```

```php
    }
    else{
?>
    <script type="text/javascript">
    addBullet('action_1[]','action_1','action');
    </script>
<?php
    }

    ?>
    </div>

    <?php
    if(isset($actions_qry) &&
mysql_num_rows($actions_qry) > 0){
    echo "<select id=\"manpower_action_1\">";
    while($action =
mysql_fetch_array($actions_qry)){
        echo "<option
value=\"".$action['value']."\">".$action['value']."</o
ption>";
    }
    echo "</select><br/>";
    echo "<input type=\"button\" value=\"Add an
action from dispatched manpower\"
onClick=\"appendAction('action_1[]','action_1',
'manpower_action_1','action')\" ><br/>";
    }
    ?>
    <button type="button"
onclick="addBullet('action_1[]','action_1','action')">
Add bullet</button>
    <input type="button" value="Remove last bullet"
onclick="removeLastElement('action_1','action')">
    <br/><br/>
    </fieldset>

    </div>
    <br/>
<?php
    $where_str = "";
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);
        $where_str = "WHERE location =
'lgu;".$ldrrmc_lgu['lgu_id']."'";
    }
    if($_SESSION['position'] == "rdrrmc"){
```

```php
        $rdrrmc_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($lgu_id_arr,
"'lgu;".$lgu['id']."'");
        }
        $lgu_str = " , ".implode(", ", $lgu_id_arr);
        $where_str = "WHERE location IN
('region;".$rdrrmc_region['region_id']."'$lgu_str)";
    }

    $events_qry = mysql_query("SELECT * FROM
event
        $where_str ORDER BY date_started DESC");

?>
    <div id="line"></div>

    <input type="submit" value="Preview PDF"
onClick="this.form.action='fpdf_test.php';
this.form.target='_blank';return checkFields();"/>
    <input type="submit" value="Generate Report"
onClick="this.form.action='generate_report.php';
this.form.target='_self';return
checkFields();"/><br/><br/>
    </form>

<?php
    require("footer.php");
?>
```

style.css

```css
* {margin:0px;padding:0px;top:0px;left:0px;}
body{margin-top:10px;margin-
bottom:10px;background-color:#CCCCCC;text-
align:center;background-
image:url(images/background3.gif);}
#center{
    margin-right: auto;
    margin-left: auto;
    position: relative;
```

```css
    width: 820px;
    text-align: left;
    background-color:#fff;
    text-align:left;
}
#header{
    background-color: #ff6600;
    height: 125px;
    width: 820px;
    display:block;
    background-image: url(images/header3.jpg);
    font-size:24px;
}
#content{
    #background-image:
url(images/background2.gif);
    background-repeat:repeat-y;
    margin: 9px 0px 0px 0px;
}
h1{
    font-family: Helvetica, Arial, sans-serif;
    font-style: normal;
    font-size:24px;
    font-weight: bolder;
    font-variant: normal;
    color: #546a05;
    margin:12px 0px 0px 120px;
    position:absolute;
    display:block;
}
h2{
    font-family: Helvetica, Arial, sans-serif;
    font-style: normal;
    font-size:16px;
    font-weight: bolder;
    font-variant: normal;
    color: #546a05;
    margin:38px 0px 0px 150px;
    display:block;
    position:absolute;
}
#logo{
    margin-left:16px;
    margin-top:10px;
    position:absolute;
}
#headerlabel{
    margin-left:250px;
    margin-top:30px;
    position:absolute;
}
#headerimage{
    margin-left:578px;
```

```css
    margin-top:4px;
    position:absolute;
}
#navtop{
    margin-left:150px;
    margin-top:90px;
    position:absolute;
}
#navtop a{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 13px;
    font-style: normal;
    font-weight: bold;
    color: #0000A0;
    text-decoration: none;
    background-image:url(images/topbullet2.png);
    background-repeat:no-repeat;
    background-position:left center;
    padding-left: 10px;
    display:inline;

}
#leftside{
    float: left;
    width: 157px;
    background-color: transparent;
}
#navlist{
    list-style-type: none;
    padding-left:6px;
    padding-top:14px;
}
#navlist a{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 10px;
    font-style: normal;
    font-weight: bold;
    color: #546a05;
    text-decoration: none;
    background-image:url(images/bullet.gif);
    background-repeat:no-repeat;
    background-position:left;
    padding-left: 10px;
    display:block;
    padding-bottom:6px;
}
#navlist a:hover{
    color: #869352;
    text-decoration:underline;
}
#members{
    width: 150px;
    margin-left: 16px;
```

```
        margin-top: 5px;
        display:block;
        border: 1px solid #ADD8E6;
        text-align:center;
}
.intext{
        height: 17px;
        width: 114px;
}
#submit{
        margin-top:15px;
        margin-bottom:15px;
        border: 1px solid #0000A0;
        background-color: #ADD8E6;
        font-family: Arial, Helvetica, sans-serif;
        font-size: 12px;
        font-weight: bold;
        color: #000000;
        cursor: pointer;
}
#submit:hover{background-color: #fff;}
#members span{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 12px;
        font-style: normal;
        font-weight: bolder;
        color: #0000A0;
        background-color:#ADD8E6;
        display:block;
        padding:3px;
}
#members span.info{
        font-family: "Times New Roman", Times, serif;
        font-size: 12px;
        font-style: normal;
        font-weight: normal;
        color: #999999;
        background-color:#fff;
}
#members a{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 11px;
        font-style: normal;
        font-weight: bold;
        color: #0000A0;
        text-decoration: none;
        display:block;
        padding-bottom:6px;
        text-decoration:underline;
        padding-left: 10px;
        background-image:url(images/forbullet.gif);
        background-repeat:no-repeat;
        text-align:left;
}
```

```
}
#members a:hover{
        color: #2E9AFE;
}
#callbox{
        width:132px;
        height: 46px;
        background-image:url(images/callbox.gif);
        padding: 10px 0px 10px 0px;
        margin: 10px 0px 20px 16px;
        text-align:center;
}
#callbox div{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 10px;
        font-style: normal;
        font-weight: bold;
        color: #FFFFFF;
        padding-top:10px;
}
#middle{
        width:550px;
        background-color: transparent;
        margin: 0px 0px 0px 175px;
        display:block;
}
p{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 10px;
        font-weight: normal;
        color: #8e8e8e;
        padding: 10px 10px 10px 0px;
}

#middle a,#rightside a{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 11px;
        font-style: normal;
        font-weight: bold;
        color: #0000A0;
        /*
        text-decoration:underline;
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 10px;
        font-weight: normal;
        color: #8e8e8e;
        */
}
#middle img{
        margin: 10px 10px 0px 0px;
        align: none;
        max-width: 500px;
        margin-left: auto;
```

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```css
        margin-right: auto;
        display:block;

}
#line{
    width:371px;
    height:5px;
    display:block;
    background-color: #fff;
    border-top:1px dashed #ADD8E6;
    margin: 9px 0px 9px 0px;
}
h4{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-style: normal;
    font-weight: bold;
    color: #6f8912;
    height:10px;
}
h5{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 12px;
    font-style: normal;
    font-weight: bold;
    color: #6f8912;
    height:10px;
    padding: 5px 0px 5px 0px;
}
h6{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 10px;
    font-style: normal;
    font-weight: bold;
    color: #6f8912;
    padding: 10px 0px 0px 0px;
    display:block;
}
#rightside{
    float: right;
    width: 220px;
    background-color: transparent;
}
#middleleft{
    float:left;
    width: 147px;
}
#middleright{
    float:right;
    border-left: 1px dashed #4a5e03;
    width: 210px;
    padding: 0px 5px 5px 10px;
}

#forlinks{
    border-bottom: 1px dashed #4a5e03;
}
#forlinks a{
    font-family: Verdana, Arial, Helvetica, sans-serif;
    font-size: 10px;
    font-style: normal;
    font-weight: bold;
    color: #869352;
    text-decoration: underline;
    background-image:url(images/forbullet.gif);
    background-repeat:no-repeat;
    background-position:left top;
    padding-left: 10px;
    display:block;
    padding-bottom:6px;
}
#forlinks a:hover{color: #4a5e03;}
#middleright a{
    font-weight: bold;
    color: #4a5e03;
}
#middleright p a{
    font-weight: normal;
    color: #8e8e8e;
}
#middleleft a{
    font-weight: bold;
    color: #4a5e03;
}
#middleleft p a{
    font-weight: normal;
    color: #8e8e8e;
}
#rightside a{
    font-weight: bold;
    color: #4a5e03;
}
#rightside p a{
    font-weight: normal;
    color: #8e8e8e;
}
#cleaner{
    clear: both;
    background-color: #FFFFFF;
    height: 10px;
    width: 820px;
    overflow:hidden;
}
#footer{
    background-color: #0000A0;
    position: relative;
    height: 20px;
```

```css
        width: 820px;
        color:#FFFFFF;
        text-align:center;
        display:block;
        padding: 5px 0px 0px 0px;
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 11px;
        font-weight: normal;
        overflow:hidden;
}
#footer a{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 11px;
        font-weight: bold;
        color: #FFFFFF;
        text-decoration:underline;
}
#tab_space{
        padding-left:2em;
}


#whitespace_div{
        white-space:pre-line;
        display:block;
        max-width:500px;
}

div.unread{
        background-color: #81BEF7;
        font-weight: bold;
}

div.read{
        background-color: white;
}

a{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 11px;
        font-style: normal;
        font-weight: bold;
        color: #0000A0;
        text-decoration:underline;
}

tr.unread{
        background-color: #81BEF7;
        font-weight: bold;
}

td.sender{
        padding:2px 5px 2px 2px;
```

```css
}

td.message{
        padding:2px 100px 2px 2px;
}


a.bullet{
        background-image:url(images/forbullet.gif);
        background-repeat:no-repeat;
        background-position:left top;
        padding-left: 10px;

}

a.h3{
        font-family: Verdana, Arial, Helvetica, sans-serif;
        font-size: 200px;
        font-style: normal;
        font-weight: bold;
        color: #000000;
        height:200px;
}
textarea {
    resize: none;
}

table {
    border: 1px solid black;
}

table td, table th{
    border: 1px solid black;
        padding:5px;
        border-collapse:collapse;
}

#red_bg {
background-color:#FF0000
}

#pink_bg {
background-color:#FF9999
}

#orange_bg {
background-color:#FF9933
}

#green_bg {
background-color:#99FF99
}

#gray_bg {
```

```
background-color:#D1D1BB
}
```

toggle_manpower_activation.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("header.php");
        require("view_notice.php");
        exit;
    }

    if(!isset($_POST['manpower_id']) ||
!isset($_POST['new_status'])) {
        header('Location:
manage_manpower.php');
    }

    if(isset($_POST['manpower_id'])) {
     $manpower_id = $_POST['manpower_id'];
    }
    if(isset($_POST['new_status'])) {
     $new_status = $_POST['new_status'];
    }

     mysql_query("UPDATE manpower
        SET status = '$new_status'
        WHERE id= '$manpower_id'");
     header('Location: manage_manpower.php');

?>
```

toggle_user_activation.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'admin')){
        require("header.php");
        require("view_notice.php");
        exit;
    }
```

```php
    if(!isset($_POST['manpower_id']) ||
!isset($_POST['new_status'])) {
        header('Location:
manage_manpower.php');
    }

    if(isset($_POST['manpower_id'])) {
     $manpower_id = $_POST['manpower_id'];
    }
    if(isset($_POST['new_status'])) {
     $new_status = $_POST['new_status'];
    }

     mysql_query("UPDATE user
        SET status = '$new_status'
        WHERE id= '$manpower_id'");
     header('Location: manage_users.php');

?>
```

update_manpower.php

```php
<?php
    require("header.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ldrrmc') &&
!authenticatePosition($user_id, 'dnd') &&
!authenticatePosition($user_id, 'prc')){
        require("view_notice.php");
        exit;
    }

  $errmsg_arr = array();
  $errflag = false;

    $id = clean($_POST['id']);
    $first_name = clean($_POST['first_name']);

    $last_name = clean($_POST['last_name']);
    $contact_number =
clean($_POST['contact_number']);
    $organization = clean($_POST['organization']);

  if($id == '') {
    $errmsg_arr[] = 'ID missing';
        $errflag = true;
  }
    if($first_name == '') {
        $errmsg_arr[] = 'First name missing';
        $errflag = true;
```

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```php
    }
   if($last_name == '') {
          $errmsg_arr[] = 'Last name missing';
     $errflag = true;
   }
   if($contact_number == '') {
     $errmsg_arr[] = 'Contact number missing';
          $errflag = true;
   }
    if($organization == '') {
     $errmsg_arr[] = 'Organization number missing';
          $errflag = true;
   }

   echo "Update Personnel Information<br/>";
   echo "<div id=\"line\"></div>";
  if($errflag) {
          $_SESSION['ERRMSG_ARR'] = $errmsg_arr;
          print "You have input errors. These are:";
          print "<BR><UL>";
          for ($i=0; $i<sizeof($errmsg_arr); $i++) {
        print "<LI>$errmsg_arr[$i]";
          }
     print "</UL>";
          print "<a
href=edit_manpower.php?edit_id=$id>GO
back</a>";
          require("footer.php");
       exit();
  }

    $result = mysql_query("UPDATE manpower
          SET first_name = '$first_name',
          last_name = '$last_name',
          contact_number = '$contact_number'
          WHERE id = '$id'");

   if (mysql_error()){
          echo ("<br>An error has occured:<br>");
          echo (mysql_error()."<br>");
          require("footer.php");
          exit();
   }
   else{
          echo "You have successfully updated this
manpower with the following
information:<br/><br/>";

          echo "First Name: $first_name<br/>";
          echo "Last Name: $last_name<br/>";
          echo "Contact Number:
$contact_number<br/>";
   }
```

```php
      require("footer.php");
?>
```

update_user.php

```php
<?php
   require("header.php");
   require("connect_to_db.php");
   require("clean.php");
   require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
   if(!authenticatePosition($user_id, 'admin')){
          require("view_notice.php");
          exit;
   }

  $errmsg_arr = array();
  $errflag = false;
   $ID = clean($_POST['ID']);
   $UNAME = clean($_POST['UNAME']);
   $PASS = clean($_POST['PASS']);
   $FNAME = clean($_POST['FNAME']);
   $LNAME = clean($_POST['LNAME']);
  if($UNAME == '') {
     $errmsg_arr[] = 'User name missing';
          $errflag = true;
  }
    if($PASS == '') {
          $errmsg_arr[] = 'Password missing';
          $errflag = true;
   }
    if($FNAME == '') {
          $errmsg_arr[] = 'First name missing';
          $errflag = true;
    }
  if($LNAME == '') {
          $errmsg_arr[] = 'Last name missing';
     $errflag = true;
  }
    $username_query = mysql_query("SELECT *
FROM user WHERE username = '$UNAME' && id !=
'$ID'");
    if(mysql_num_rows($username_query) > 1) {
          $errmsg_arr[] = 'Username already taken';
          $errflag = true;
   }
  if($errflag) {
          $_SESSION['ERRMSG_ARR'] = $errmsg_arr;
          print "You have input errors. These are:";
          print "<BR><UL>";
          for ($i=0; $i<sizeof($errmsg_arr); $i++) {
```

```php
        print "<LI>$errmsg_arr[$i]";
            }
        print "</UL>";
            print "<a
href=edit_user.php?edit_id=$ID>GO back</a>";
        exit();
    }
    else {
            echo "<BR><BR>You entered the following
information:";
            echo "<BR>Username = $UNAME";
            echo "<BR>Password = $PASS";
        echo "<BR>First Name = $FNAME";
            echo "<BR>Last Name = $LNAME";
            $result = mysql_query("UPDATE user SET
                    username = '$UNAME',
                    password = '$PASS',
                    first_name = '$FNAME',
                    last_name = '$LNAME'
                    WHERE id = '$ID'");
            if (mysql_error()){
                    echo ("<br>An error has
occured:<br>");
                    echo (mysql_error()."<br>");
            }
            else{
              print ("<BR><BR>Account Successfully
Updated!<BR>");
            }

    }

    require("footer.php");
?>
```

verify_login.php

```php
<?php
session_start();
if($_GET['action'] == "login") {

require("connect_to_db.php");
$username = $_POST['username'];
$query = mysql_query("SELECT * FROM user WHERE
username = '$username'");

if(mysql_num_rows($query) == 1) {
$data = mysql_fetch_array($query);
$ans = $data['password'];
$pwd1 = md5($_POST['password']);

if($data['status'] == "deactivated"){
```

```php
        header("Location:
index.php?login=failed&cause=".urlencode("Deactiv
ated Account"));
        exit;
}
elseif($pwd1 == $ans) {
        $_SESSION['username'] =
$data['username'];
        $_SESSION['firstname'] =
$data['first_name'];
        $_SESSION['lastname'] =
$data['last_name'];
        $_SESSION['user_id'] = $data['id'];
        $_SESSION['position_id'] =
$data['position_id'];
        $position_qry = mysql_query("SELECT *
FROM position WHERE id =
'".$data['position_id']."'");
        $position_arr =
mysql_fetch_array($position_qry);
        $_SESSION['position'] =
$position_arr['position'];
        header("Location:
index.php?&user=$username");
    exit;
}else {
    header("Location:
index.php?login=failed&cause=".urlencode("Invalid
Password"));
    exit;
}


}
else {
header("Location:
index.php?login=failed&cause=".urlencode("Invalid
User"));
exit;
}
}

?>
```

view_announcement.php

```php
<?php
    require("header.php");

    if(!isset($_GET['id'])){
        echo("No post was chosen.<br/>");
        require("footer.php");
        exit;
    }
```

```php
$announcement_id = $_GET['id'];
$announcements = mysql_query("SELECT *
FROM announcement WHERE id =
'$announcement_id'");
$announcement =
mysql_fetch_array($announcements);
echo("<h3>".$announcement['subject']."</h3>");

$poster_qry = mysql_query("SELECT *
FROM user WHERE id =
'".$announcement['poster_id']."'");
$poster = mysql_fetch_array($poster_qry);

$position_id = $poster['position_id'];
$position_qry = mysql_query("SELECT *
FROM position
            WHERE id = '".$position_id."'");
$position =
mysql_fetch_array($position_qry);
$position_label = $position['label'];

if($position['position'] == "rdrrmc"){
        $rdrrmc_region_qry =
mysql_query("SELECT * FROM rdrrmc_region
            WHERE user_id =
'".$poster['id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_region_qry);

        $region_qry =
mysql_query("SELECT * FROM region
            WHERE id =
'".$rdrrmc_region['region_id']."'");
        $region =
mysql_fetch_array($region_qry);

        $region_label =
$region['short_name'];
        $position_label = $region_label."
".$position_label;
    }
    elseif($position['position'] == "ldrrmc"){
        $ldrrmc_lgu_qry =
mysql_query("SELECT * FROM ldrrmc_lgu
            WHERE user_id =
'".$poster['id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_lgu_qry);

        $lgu_qry = mysql_query("SELECT *
FROM local_government_unit

            WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
        $lgu =
mysql_fetch_array($lgu_qry);

        $lgu_label = $lgu['lgu_name'];
        $position_label = $lgu_label."
".$position_label;
    }

echo("posted by ".$poster['first_name']."
".$poster['last_name']." ($position_label) on
".$announcement['date_posted']);
?>
<div id="whitespace_div">
<?php
$attachment_qry = mysql_query("SELECT *
FROM uploaded_file WHERE announcement_id =
'".$announcement['id']."'");
    if(mysql_num_rows($attachment_qry)>0){
        while($file =
mysql_fetch_array($attachment_qry)){
            if(strpos($file['file_type'],
"image") === false){

            }
            else{
                echo("<img
src=\"user_data/".$file['file_name']."\"><br/>");

            }
        }
    }

echo($announcement['message']."<br/>");
?>
</div>
<?php
$attachment_qry = mysql_query("SELECT *
FROM uploaded_file
    WHERE announcement_id =
'".$announcement['id']."' AND file_type NOT LIKE
'image%'");
    if(mysql_num_rows($attachment_qry)>0){
        echo("<br/>Attatchments:<br/>");
        while($file =
mysql_fetch_array($attachment_qry)){
            if(strpos($file['file_type'],
"image") === false){
                echo("<a
class=\"bullet\"
```

```php
href=\"user_data\\\".$file['file_name']."\">".$file['file
_name']."</a><br/>");
                        }
                    }
                }

    echo "<br/>";

    echo "<a
href=\"index.php\">Home</a><br/><br/>";
    require("footer.php");
?>
```

view_dispatch_statistics.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
            WHERE region_id =
'".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
            array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
            WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
            array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    else{
        return " from all regions";
    }
    }

    function printData($compiled_where_str,
$response, $type_label){
        $dispatch_record_qry = mysql_query("SELECT *
FROM dispatch_record
        $compiled_where_str AND response =
'$response'");
    if(mysql_num_rows($dispatch_record_qry)>0){
        echo "$type_label statistics<br/>";
        echo "<table>
                <tr>
                        <td>
                                Manpower
                        </td>
                        <td>
                                Dispatch Sender
                        </td>
                        <td>
                                Location
                        </td>
                        <td>
                                Date Sent
                        </td>";
        if($response == "accept"){
        echo "    <td>
                                Date Ended
                        </td>";
        }
        echo "</tr>";
        while($dispatch_record =
mysql_fetch_array($dispatch_record_qry)){
        $manpower_qry = mysql_query("SELECT *
FROM manpower
            WHERE id =
'".$dispatch_record['recipient_id']."'");
        $manpower =
mysql_fetch_array($manpower_qry);

        $location_qry = mysql_query("SELECT *
FROM local_government_unit
            WHERE id =
'".$manpower['location']."'");
        $location =
mysql_fetch_array($location_qry);
```

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```php
        $dispatcher_qry = mysql_query("SELECT *
FROM user
                WHERE id =
'".$dispatch_record['sender_id']."'");
        $dispatcher =
mysql_fetch_array($dispatcher_qry);
        echo "<tr>
                        <td>


    ".$manpower['first_name']."
".$manpower['last_name']."
                        </td>
                        <td>


    ".$dispatcher['first_name']."
".$dispatcher['last_name']."
                        </td>
                        <td>


    ".$location['lgu_name']."
                        </td>
                        <td>


    ".$dispatch_record['date_sent']."
                        </td>";
        if($response == "accept"){
                $ended_str = "ongoing";
                if($dispatch_record['date_ended']
!= "0000-00-00 00:00:00"){
                        $ended_str =
$dispatch_record['date_ended'];
                }
        echo "   <td>

                                $ended_str
                        </td>";
        }
        echo "</tr>";
        }
        echo "</table><br/>";
    }
    }

    if(isset($_POST['start_date'])){
    $start_date = clean($_POST['start_date']);
    }
    if(isset($_POST['end_date'])){
    $end_date = clean($_POST['end_date']);
    }
    if(isset($_POST['location'])){
    $location = clean($_POST['location']);
    }

    if(isset($_GET['start_date'])){

        $start_date = clean($_GET['start_date']);
    }
    if(isset($_GET['end_date'])){
        $end_date = clean($_GET['end_date']);
    }
    if(isset($_GET['location'])){
        $location = clean($_GET['location']);
    }

    $conditions_arr = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        array_push($conditions_arr,
                "location IN (SELECT id FROM
local_government_unit
                WHERE region_id =
'".$location_arr[1]."')");
    }
    elseif($location_arr[0] == "lgu"){
        array_push($conditions_arr,
                "location IN (SELECT id FROM
local_government_unit
                WHERE id =
'".$location_arr[1]."')");
    }

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $manpower_qry = "SELECT id FROM manpower
        $where_str";
    $compiled_where_str = "WHERE date_sent
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'
        AND recipient_id IN ($manpower_qry)";
    $record_qry = mysql_query("SELECT * FROM
dispatch_record
        $compiled_where_str");
?>

View Dispatch Statistics between <?php
    $location_label = getLocationLabels($location);
    echo "$start_date and
$end_date$location_label";?> <br/><br/>

Total number of dispatch requests: <?php echo
mysql_num_rows($record_qry); ?><br/><br/>
<?php
    if(mysql_num_rows($record_qry)>0){
```

```php
        printData($compiled_where_str, 'no
response', "Unresponded Dispatch Request");
        printData($compiled_where_str, 'accept',
"Accepted Dispatch Request");
        printData($compiled_where_str, 'decline',
"Declined Dispatch Request");
    }
?>
```

view_event.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    if(isset($_POST['prev_path'])){
        $prev_path = $_POST['prev_path'];
    }

    if(isset($_GET['prev_path'])){
        $prev_path = $_GET['prev_path'];
    }


    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $region_qry = mysql_query("SELECT *
FROM region
                WHERE id = '".$location_arr[1]."'");
        $region = mysql_fetch_array($region_qry);
        return $region['short_name']."
(".$region['region_name'].")";
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return implode(", ",$location_labels);
    }
```

```php
    else{
        return "all regions";
    }
    }

    if(!isset($_GET['event_id'])){
        echo "No event was chosen.<br/>";
        require("footer.php");
        exit;
    }

    $event_id = $_GET['event_id'];

?>

    View Event
    <div id="line"></div>

<?php

    $event_qry = mysql_query("SELECT * FROM
event
        WHERE id = '$event_id'");
    $event = mysql_fetch_array($event_qry);
    $event_id = $event['id'];
    $event_title = $event['title'];
    $location = $event['location'];
    $location_label = getLocationLabels($location);
?>

    Title: <?php echo $event['title']; ?><br/>
    Location: <?php echo $location_label; ?><br/>
    Date started: <?php echo $event['date_started'];
?><br/>
<?php
    if($event['date_ended'] == "0000-00-00
00:00:00"){
        echo "Status: ongoing<br/>";
    }
    else{
        echo "Date ended:
".$event['date_ended']."<br/>";
    }
?>
    Description:
    <div id="whitespace_div">
        <?php echo $event['description']; ?>
    </div><br/><br/>

    <form method="POST"
action="resolve_event.php">
    <center>
```

```php
    <input type="hidden" name = "event_id"
value="<?php echo $event_id; ?>" />
    <input type="hidden" name = "event_title"
value="<?php echo $event_title; ?>" />
<?php
    if($event['status'] == "ongoing" &&
authenticatePosition($user_id, 'ldrrmc')){
        echo "<input style=\"width: 300px\"
type=\"submit\" value=\"Manage Manpower
Assigned to this Event\"
onClick=\"this.form.action='manage_manpower_dis
patch.php'; this.form.target='_blank';return
true;\"/><br/><br/>";
    }
    if($event['status'] == "ongoing"){
        echo "<input style=\"width: 300px\"
type=\"submit\" value=\"Manage Resource Requests
for this Event\"
onClick=\"this.form.action='manage_resource_reque
sts.php'; this.form.target='_blank';return
true;\"/><br/><br/>";
    }
?>
    <input style="width: 300px" type="submit"
value="View Civilian Messages associated with this
event" onclick="this.form.action='<?php echo
"view_event_messages.php?event_id=$event_id";?>
';this.form.target='_blank';return true;"
/><br/><br/>
    <input style="width: 300px" type="submit"
value="Show Event Data"
onclick="this.form.action='<?php echo
"view_report_data.php?event_id=$event_id";?>';thi
s.form.target='_blank';return true;" /><br/><br/>

<?php
    if($event['status'] == "ongoing"){
        echo "<input style=\"width: 300px\"
type=\"submit\" value=\"Update Status to
Resolved\" /><br/><br/>";
    }
    echo "<input type=\"hidden\"
name=\"prev_path\"
value=\"view_event.php?event_id=$event_id\">";
    echo "<input style=\"width: 300px\"
type=\"submit\" value=\"Create Event Report\"
onclick=\"this.form.action='show_report_data.php?
event_id=$event_id';this.form.target='_blank';return
true;\" />";
?>
    </center>
    </form>
```

```php
<?php
    if(isset($prev_path)){
        echo("<br/><br/>");
        echo("<a href = \"$prev_path\">Back</a>");
        echo("<br/><br/>");
    }

    require("footer.php");
?>
```

view_event_messages.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    if(isset($_GET['event_id'])){
        $event_id = $_GET['event_id'];
    }

    $event_id = $_GET['event_id'];
    $message_qry =  mysql_query("SELECT * FROM
rescue_message
        WHERE event_id = '$event_id'
        ORDER BY location, name, date_received");

    $event_qry =  mysql_query("SELECT * FROM
event
        WHERE id = '$event_id'");
    $event = mysql_fetch_array($event_qry);
    $event_title = $event['title'];

?>

View Civilian Messages Associated with <?php echo
$event_title; ?><br/><br/>
<div id="line"></div>
Messages found: <?php echo
mysql_num_rows($message_qry); ?><br/><br/>
<?php
    if(mysql_num_rows($message_qry) < 1){
```

```php
        echo "No messages associated with this
event was found.<br/><br/>";
        require("footer.php");
        exit;
    }
    echo "<form action=\"input_sms_message.php\"
method=\"POST\">";
    echo "<input type=\"hidden\"
name=\"table_name\" value=\"rescue_message\">";
    echo "<table border=\"1\" cellpadding=\"5\">";
    echo "<tr>
                <td>

                </td>
        <td>
        Name
        </td>
        <td>
        Location
        </td>
        <td>
        Remarks
        </td>
        <td>
        Date Received
        </td>
        </tr>
    ";
    while($message =
mysql_fetch_array($message_qry)){
        echo "<tr>
            <td>
                <input type=\"checkbox\"
name=\"recipient[]\" value=\"".$message['id']."\" >
        </td>
        <td>
        ".$message['name']."
        </td>
        <td>
        ".$message['location']."
        </td>
        <td>
        ".$message['remarks']."
        </td>
        <td>
        ".$message['date_received']."
        </td>
        </tr>";
    }
    echo "</table>

    <br/>
```

```php
    <button name=\"action\" type=\"submit\"
value=\"send\" />Send Message
    </form>";

?>
```

view_message.php

```php
<?php
    require("header.php");

    require("connect_to_db.php");
    $mission_id =
mysql_real_escape_string($_GET['thread']);
    $user_id = $_SESSION['user_id'];
    $result = mysql_query("SELECT * FROM
mission_member WHERE recipient_id = '$user_id'
AND mission_id = '$mission_id'");
    if(mysql_num_rows($result) == 0) {
        require("view_notice.php");
        exit;
    }

    $messages = mysql_query("SELECT * FROM
mission WHERE id = '$mission_id' ORDER BY
sequence_id DESC");
    $message = mysql_fetch_array($messages,
MYSQL_ASSOC);
    $message_subject = $message['subject'];

    $result = mysql_query("SELECT username FROM
user WHERE id = '".$message['author_id']."'");
    $sender = mysql_fetch_array($result,
MYSQL_ASSOC);
    $sender_name = $sender['username'];

    echo("Subject: $message_subject<br/>");

    echo("From: $sender_name<br/>");
    echo("To: ");

    $recipients = mysql_query("SELECT DISTINCT
recipient_id FROM mission_member
        WHERE mission_id = '$mission_id' AND
recipient_id != '".$message['author_id']."'");
        //&& recipient_id NOT IN
(".$message['composer_id'].")");

    $recipient_arr = array();
    while($mission_member =
mysql_fetch_array($recipients, MYSQL_ASSOC)){
```

```php
        $user = mysql_query("SELECT username
FROM user WHERE id =
'".$mission_member['recipient_id']."'");
        $recipient = mysql_fetch_array($user,
MYSQL_ASSOC);
        array_push($recipient_arr,
$recipient['username']);
    }

    $recipients_string = implode(",", $recipient_arr);
    echo("$recipients_string<br/><br/>");
?>


    <form action="send_reply_message.php"
method="POST">
        <input type="hidden" name="thread"
value="<?php echo $mission_id; ?>">
        <input type="hidden" name="subject"
value="<?php echo $message_subject; ?>">
        <input type="hidden" name="recipients"
value="<?php echo $recipients_string; ?>">
        <input type="SUBMIT" name = "SUBMIT"
value="Reply" />
    </form><br/>

<?php
    $sender_id = $message['author_id'];
    $sender_qry = mysql_query("SELECT * FROM
user
        WHERE id = '".$sender_id."'");
    $sender = mysql_fetch_array($sender_qry);
    echo("From: ".$sender['first_name']."
".$sender['last_name']."
(".$sender['username'].")<br/>");
    echo("Date:
".$message['date_sent']."<br/><br/>");
    echo($message['message']."<br/>");
    ?>
    <div id="line"></div>
    <?php
    while($message =
mysql_fetch_array($messages)){
        $sender_id = $message['author_id'];

        $sender_qry = mysql_query("SELECT *
FROM user
            WHERE id = '".$sender_id."'");
        $sender = mysql_fetch_array($sender_qry);

        echo("From: ".$sender['first_name']."
".$sender['last_name']."
(".$sender['username'].")<br/>");
```

```php
        echo("Date:
".$message['date_sent']."<br/><br/>");
        echo("<div id=\"whitespace_div\">");
        echo($message['message']);
        echo("</div><br/>");
        ?>
        <div id="line"></div>
        <?php
    }

    $update_qry = mysql_query("UPDATE
mission_member SET status = 'read'
        WHERE mission_id = '$mission_id' &&
recipient_id = '".$_SESSION['user_id']."'");
?>

    <form action="send_reply_message.php"
method="POST">
        <input type="hidden" name="thread"
value="<?php echo $mission_id; ?>">
        <input type="hidden" name="subject"
value="<?php echo $message_subject; ?>">
        <input type="hidden" name="recipients"
value="<?php echo $recipients_string; ?>">
        <input type="SUBMIT" name = "SUBMIT"
value="Reply" />
    </form>

<?php
    require("footer.php");
?>
```

view_message_query.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }
?>

    <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.0/themes/bas
e/jquery-ui.css" />
    <script src="http://code.jquery.com/jquery-
1.8.3.js"></script>
```

```
    <script
src="http://code.jquery.com/ui/1.10.0/jquery-
ui.js"></script>
    <link rel="stylesheet"
href="/resources/demos/style.css" />

    <script type="text/javascript">
        $(function() {
                $( "#start_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                                $( "#end_date"
).datepicker( "option", "minDate", selectedDate );
                 }
                });
                $( "#end_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                                $( "#start_date"
).datepicker( "option", "maxDate", selectedDate );
                 }
                });
          });

        function confirmAction(action){
                var formobj =
document.getElementsByTagName("input");

                var counter = 0;
                for (var j = 0; j < formobj.length;
j++)
                {
                        if (formobj[j].type ==
"checkbox" && formobj[j].checked)
                        {
                                counter++;
                        }
                }

                if(counter > 0 && action ==
'disregard'){
                return confirm("Are you sure you
want to disregard the chosen messages?");
                }
```

```
                else if (counter < 1 && action ==
'disregard'){
                        alert("No messages were chosen.
Please choose some messages to process.");
                        return false;
                        }
                else if (counter == 0 && action ==
'validate'){
                        alert("No messages were chosen.
Please choose a message to validate.");
                        return false;
                        }
                else if (counter > 1 && action ==
'validate'){
                        alert("Please choose only one
message to validate.");
                        return false;
                        }
                else if (counter == 0 && action ==
'associate'){
                        alert("Please choose at least one
message to associate with an event.");
                        return false;
                        }
                else if (counter > 0 && action ==
'associate'){
                        return confirm("Are you sure you
want to associate the chosen messages with an
event?");
                        }
            }
    </script>
    View Civilian Messages<br/>
    <div id="line"></div>
    View the civilian messages received between a
time period:<br/><br/>
    <form action="view_rescue_messages.php"
method="POST">
        Date:
        <input readonly value = "<?php echo
date("Y-m-d", strtotime("-1 month")); ?>"
type="text" name="start_date" id="start_date"
class="date_pick" />
        to
        <input readonly value = "<?php echo
date('Y-m-d'); ?>"  type="text" name="end_date"
id="end_date" class="date_pick" /><br/>

        Location:

        <select name="location" id="location">
                <?php
```

```php
                    if($_SESSION['position']
== 'ndrrmc'){
                                $default_value =
"all";

    $region_where_str = "";
                                $lgu_where_str =
"";
                    }
                    if($_SESSION['position']
== 'rdrrmc'){
                                $rdrrmc_qry =
mysql_query("SELECT * FROM rdrrmc_region
WHERE user_id = '".$_SESSION['user_id']."'");
                                $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

                                $default_value =
"region;".$rdrrmc_region['region_id'];

    $region_where_str = "WHERE id =
'".$rdrrmc_region['region_id']."'";
                                $lgu_where_str =
"";
                    }
                    if($_SESSION['position']
== 'ldrrmc'){
                                $ldrrmc_qry =
mysql_query("SELECT * FROM ldrrmc_lgu WHERE
user_id = '".$_SESSION['user_id']."'");
                                $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);

                                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
                                $lgu =
mysql_fetch_array($lgu_qry);

                                $default_value =
"lgu;".$lgu['id'];

    $region_where_str = "WHERE id =
'".$lgu['region_id']."'";
                                $lgu_where_str =
"AND id = '".$ldrrmc_lgu['lgu_id']."' ";
                    }


                                echo("<option
value=\"$default_value\">Choose location
(optional)</option>");

                                $region_qry =
mysql_query("SELECT * FROM region
$region_where_str");
                                while($region =
mysql_fetch_array($region_qry)){

    if($_SESSION['position'] == 'ndrrmc' ||
$_SESSION['position'] == 'rdrrmc'){

    echo("<option
value=\"region;".$region['id']."\">".$region['short_n
ame']." - ".$region['region_name']."</option>");
                                }
                                $lgu_qry =
mysql_query("SELECT * FROM
local_government_unit WHERE region_id =
'".$region['id']."' $lgu_where_str ORDER BY
lgu_name");
                                while($lgu =
mysql_fetch_array($lgu_qry)){

    echo("<option
value=\"lgu;".$lgu['id']."\">&#160&#160".$lgu['lgu_
name']."</option>");
                                }
                    }
                ?>
        </select><br/><br/>
         <input type="reset" value="Reset">
         <input type="SUBMIT" name = "SUBMIT"
value="View" />
    </form>
    <div id="line"></div>

    View unvalidated unassociated civilian
messages<br/><br/>
<?php
    $additional_where_condition = "";
    if($_SESSION['position'] == "ldrrmc"){
        $ldrrmc_qry = mysql_query("SELECT *
FROM ldrrmc_lgu
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $ldrrmc_lgu =
mysql_fetch_array($ldrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE id =
'".$ldrrmc_lgu['lgu_id']."'");
        $lgu = mysql_fetch_array($lgu_qry);
```

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```php
        $additional_where_condition = "AND
location = '".$lgu['lgu_name']."'";
    }
    if($_SESSION['position'] == "rdrrmc"){
        $rdrrmc_qry = mysql_query("SELECT *
FROM rdrrmc_region
                WHERE user_id =
'".$_SESSION['user_id']."'");
        $rdrrmc_region =
mysql_fetch_array($rdrrmc_qry);

        $lgu_qry = mysql_query("SELECT * FROM
local_government_unit
                WHERE region_id =
'".$rdrrmc_region['region_id']."'");
        $lgu_id_arr = array();

        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($lgu_id_arr,
"'".$lgu['lgu_name']."'");
        }
        $lgu_str = implode(", ", $lgu_id_arr);
        $additional_where_condition = "AND
location IN ($lgu_str)";
    }

    $unvalidated_messages_qry =
mysql_query("SELECT * FROM rescue_message
        WHERE validation = 'not validated' AND
view_option = 'view' AND event_id < 1
$additional_where_condition
        ORDER BY date_received DESC, location
ASC, name ASC");
    if(mysql_num_rows($unvalidated_messages_qry
) < 1){
        echo "There are no unvalidated civilian
messages.<br/>";
    }
    else{
        echo "<form
action=\"request_manpower_validation.php\"
method=\"post\">";
        echo "<table>";
        echo "<tr>";
        echo "<td>";
        echo "</td>";
        echo "<td>";
                echo "Name";
        echo "</td>";
        echo "<td>";
                echo "Location";
        echo "</td>";
        echo "<td>";
                echo "Remarks";
        echo "</td>";
        echo "<td>";
                echo "Date Sent";
        echo "</td>";
        echo "<tr>";

        while($message =
mysql_fetch_array($unvalidated_messages_qry)){
        echo "<tr>";
        echo "<td>";
        echo "<input type=\"checkbox\"
id=\"message_id\" name=\"message_id[]\"
value=\"".$message['id']."\" />";
        echo "</td>";
        echo "<td>";
                echo $message['name'];
        echo "</td>";
        echo "<td>";
                echo $message['location'];
        echo "</td>";
        echo "<td>";
                echo $message['remarks'];
        echo "</td>";
        echo "<td>";
                echo $message['date_received'];
        echo "</td>";
        echo "<tr>";
        }
        echo "</table><br/><br/>";
        echo "<input type=\"submit\"
value=\"Request Manpower Validation\"
        onClick=\"return
confirmAction('validate');\"/>";
        echo "<input type=\"submit\"
value=\"Associate Message with an Event\"

    onClick=\"this.form.action='associate_message_t
o_event.php'; this.form.target='_self';return
confirmAction('associate');\" />";
        echo "<input type=\"submit\"
value=\"Disregard Message\"

    onClick=\"this.form.action='disregard_message.p
hp'; this.form.target='_self';return
confirmAction('disregard');\" />";
        echo "</form>";
    }
?>
<div id="line"></div>

    View validated unassociated civilian
messages<br/><br/>
```

```php
<?php
    $unvalidated_messages_qry =
mysql_query("SELECT * FROM rescue_message
        WHERE validation = 'validated' AND
view_option = 'view' AND event_id < 1
$additional_where_condition
        ORDER BY date_received DESC, location
ASC, name ASC");
    if(mysql_num_rows($unvalidated_messages_qry
) < 1){
        echo "There are no unvalidated civilian
messages.<br/>";
    }
    else{
        echo "<form
action=\"request_manpower_validation.php\"
method=\"post\">";
        echo "<table>";
        echo "<tr>";
        echo "<td>";
        echo "</td>";
        echo "<td>";
                echo "Name";
        echo "</td>";
        echo "<td>";
                echo "Location";
        echo "</td>";
        echo "<td>";
                echo "Remarks";
        echo "</td>";
        echo "<td>";
                echo "Date Sent";
        echo "</td>";
        echo "<td>";
                echo "Validation";
        echo "</td>";
        echo "<tr>";

        while($message =
mysql_fetch_array($unvalidated_messages_qry)){
        echo "<tr>";
        echo "<td>";
        echo "<input type=\"checkbox\"
id=\"message_id\" name=\"message_id[]\"
value=\"".$message['id']."\" />";
        echo "</td>";
        echo "<td>";
                echo $message['name'];
        echo "</td>";
        echo "<td>";
                echo $message['location'];
        echo "</td>";
        echo "<td>";
```

```php
                echo $message['remarks'];
        echo "</td>";
        echo "<td>";
                echo $message['date_received'];
        echo "</td>";

        echo "<td>";
                echo
$message['validation_response'];
        echo "</td>";
        echo "<tr>";
        }
        echo "</table><br/><br/>";
        echo "<input type=\"submit\"
value=\"Associate Message with an Event\"

    onClick=\"this.form.action='associate_message_t
o_event.php'; this.form.target='_self';return
confirmAction('associate');\" />";
        echo "<input type=\"submit\"
value=\"Disregard Message\"

    onClick=\"this.form.action='disregard_message.p
hp'; this.form.target='_self';return
confirmAction('disregard');\" />";
        echo "</form><br/><br/>";
    }

    require("footer.php");
?>
```

view_notice.php

```php
<h3>
<strong>You do not have authority to access this
page.</strong>
</h3>


<?php
    require("footer.php");
?>
```

view_public_reports_query.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");
?>

    <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.0/themes/bas
e/jquery-ui.css" />
```

```
    <script src="http://code.jquery.com/jquery-
1.8.3.js"></script>
    <script
src="http://code.jquery.com/ui/1.10.0/jquery-
ui.js"></script>
    <link rel="stylesheet"
href="/resources/demos/style.css" />

    <script type="text/javascript">
        $(function() {
                $( "#start_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  //defaultDate: "+1w",
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                        $( "#end_date"
).datepicker( "option", "minDate", selectedDate );
                  }
                });
                $( "#end_date" ).datepicker({
                  dateFormat: 'yy-mm-dd',
                  //defaultDate: "+1w",
                  changeMonth: true,
                  changeYear: true,
                  numberOfMonths: 2,
                  onClose: function( selectedDate )
{
                        $( "#start_date"
).datepicker( "option", "maxDate", selectedDate );
                  }
                });
            });
     </script>
    View Reports<br/>
    <div id="line"></div>

    <form action="view_published_reports.php"
method="POST">
        Date:
        <input readonly value = "<?php echo
date("Y-m-d", strtotime("-1 month")); ?>"
type="text" name="start_date" id="start_date"
class="date_pick" /> to
        <input readonly value = "<?php echo
date('Y-m-d'); ?>"  type="text" name="end_date"
id="end_date" class="date_pick" />
        <br/><br/>
        <input type="reset" value="Reset">
        <input type="SUBMIT" name = "SUBMIT"
value="View" />
```

```
    </form>
    <div id="line"></div>

    Generated Reports<br/><br/>
<?php
    $dir = "generated_reports/";
    $reports_qry = mysql_query("SELECT * FROM
report_record
        WHERE publish_status = 'published'
        ORDER BY date_generated DESC");
    echo "Available reports found:
".mysql_num_rows($reports_qry)."<br/><br/>";

    while($report_record =
mysql_fetch_array($reports_qry)){
        $user_qry = mysql_query("SELECT * FROM
user
            WHERE id =
'".$report_record['report_maker_id']."'");
        $user = mysql_fetch_array($user_qry);

        echo '<a class="bullet" href =
"'.$dir.$report_record['report_title'].'"
target="_blank">'.$report_record['report_title'].'</a
>
            by '.$user['first_name'].'
'.$user['last_name'].' on
'.$report_record['date_generated'].'<br/>';
    }

    require("footer.php");
?>
```

view_published_reports.php

```
<?php
    require("header.php");
    require("authenticator_functions.php");

    if(isset($_POST['start_date'])){
        $start_date = $_POST['start_date'];
    }
    if(isset($_POST['end_date'])){
        $end_date = $_POST['end_date'];
    }
    if(isset($_POST['location'])){
        $location = $_POST['location'];
    }

    $conditions_arr = array();
    if(strlen($start_date) > 0 && strlen($end_date) >
0){
```

```php
        array_push($conditions_arr,"
date_generated BETWEEN '$start_date 00:00:00'
AND '$end_date 23:59:59'");
    }
    elseif(strlen($start_date) > 0){
        array_push($conditions_arr,"
date_generated >= '$start_date 00:00:00'");
    }
    elseif(strlen($end_date) > 0){
        array_push($conditions_arr,"
date_generated < '$end_date 23:59:59'");
    }
    else{
        $current_date  = date("Y-m-d");
        array_push($conditions_arr,"
date_generated BETWEEN '$current_date 00:00:00'
AND '$current_date 23:59:59'");
    }

    array_push($conditions_arr," publish_status =
'published'");

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $reports_qry = mysql_query("SELECT * FROM
report_record
    $where_str
    ORDER BY date_generated DESC");

?>

    View Reports<br/>
    <div id="line"></div>

    Number of Retrieved Reports: <?php echo
mysql_num_rows($reports_qry); ?><br/><br/>
<?php
    $dir = "generated_reports/";
    while($report_record =
mysql_fetch_array($reports_qry)){
        $user_qry = mysql_query("SELECT * FROM
user
                WHERE id =
'".$report_record['report_maker_id']."'");
        $user = mysql_fetch_array($user_qry);

        echo '<a class="bullet" href =
"'.$dir.$report_record['report_title'].'"
```

```php
target="_blank">'.$report_record['report_title'].'</a
>
                by '.$user['first_name'].'
'.$user['last_name'].' on
'.$report_record['date_generated'].'<br/>';
    }

    require("footer.php");
?>
```

view_report_data.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    if(isset($_GET['event_id'])){
        $event_id = $_GET['event_id'];
    }
?>
    <script type="text/javascript">
        function confirmAction(label, action) {
                if(action == 'resolve'){
                        dir = 'from';
                }
                return confirm("Are you sure you
want to "+action+" the report data "+dir+"
"+label+"?");
        }
    </script>
<?php

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
```

```php
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
            WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
            array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    else{
        return " from all regions";
    }
    }

    function printData($compiled_where_str, $type,
$type_label){
    $event_id = $_GET['event_id'];
    $dead_qry = mysql_query("SELECT * FROM
report_data
        $compiled_where_str AND type = '$type'");
    if(mysql_num_rows($dead_qry)>0){
        echo "$type_label statistics<br/>";
        echo "<table border=\"1\">
            <tr>
                <td>
                    Sender
                </td>
                <td>
                    Location
                </td>
                <td>
                    Date Recieved
                </td>
                <td>
                    Value
                </td>
                <td>
                    Status
                </td>
            </tr>";
        while($dead_record =
mysql_fetch_array($dead_qry)){
            $dispatch_record_qry =
mysql_query("SELECT * FROM dispatch_record
                WHERE id =
'".$dead_record['dispatch_record_id']."'");

            $dispatch_record =
mysql_fetch_array($dispatch_record_qry);

            $sender_qry = mysql_query("SELECT *
FROM manpower
                WHERE id =
'".$dispatch_record['recipient_id']."'");
            $sender = mysql_fetch_array($sender_qry);

            $location_qry = mysql_query("SELECT *
FROM local_government_unit
                WHERE id =
'".$sender['location']."'");
            $location =
mysql_fetch_array($location_qry);

            echo "<tr>
                    <td>

".$sender['first_name']." ".$sender['last_name']."
                    </td>
                    <td>

".$location['lgu_name']."
                    </td>
                    <td>

".$dead_record['date_received']."
                    </td>
                    <td>

".$dead_record['value']."
                    </td>
                    <td>

".$dead_record['status'];
            if($dead_record['status'] == 'unresolved'){
                echo "
                <form
action=\"resolve_report_data.php\"
                    onSubmit=\"return
confirmAction('".$sender['first_name']."
".$sender['last_name']."', 'resolve');\"
method=\"POST\">
                        <input type =\"hidden\"
name=\"report_data_id\"
value=\"".$dead_record['id']."\">
                        <input type =\"hidden\"
name=\"event_id\" value=\"$event_id\">
                        <input type=\"submit\"
name = \"submit\" value=\"Resolve\" />
                </form>
                ";
```

```php
            }
        echo "
                            </td>
                    </tr>";
        }
        echo "</table><br/>";
    }
}

    if(isset($_POST['start_date'])){
    $start_date = clean($_POST['start_date']);
    }
    if(isset($_POST['end_date'])){
    $end_date = clean($_POST['end_date']);
    }
    if(isset($_POST['location'])){
    $location = clean($_POST['location']);
    }

    if(isset($_GET['start_date'])){
        $start_date = clean($_GET['start_date']);
    }
    if(isset($_GET['end_date'])){
        $end_date = clean($_GET['end_date']);
    }
    if(isset($_GET['location'])){
        $location = clean($_GET['location']);
    }

    if(!isset($_GET['event_id'])){
    $conditions_arr = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        array_push($conditions_arr,
                "location IN (SELECT id FROM
local_government_unit
                WHERE region_id =
'".$location_arr[1]."')");
    }
    elseif($location_arr[0] == "lgu"){
        array_push($conditions_arr,
                "location IN (SELECT id FROM
local_government_unit
                WHERE id =
'".$location_arr[1]."')");
    }
    else{
        //no location was chosen
    }

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $manpower_qry = "SELECT id FROM manpower
        $where_str";
    $dispatch_record_qry = "SELECT id FROM
dispatch_record
        WHERE recipient_id IN ($manpower_qry)";
    $compiled_where_str = "WHERE date_received
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'
        AND dispatch_record_id IN
($dispatch_record_qry)";

    $location_label = getLocationLabels($location);
    $header_label = "between $start_date and
$end_date$location_label";
    }
    if(isset($_GET['event_id'])){
        $event_id = $_GET['event_id'];
        $event_qry =  mysql_query("SELECT *
FROM event
                WHERE id = '$event_id'");
        $event = mysql_fetch_array($event_qry);
        $header_label = "for ".$event['title'];
        $dispatch_record_qry = "SELECT id FROM
dispatch_record
        WHERE event_id = '$event_id'";
        $compiled_where_str = "WHERE
dispatch_record_id IN ($dispatch_record_qry)";
    }
    $record_qry = mysql_query("SELECT * FROM
report_data
        $compiled_where_str ORDER BY
date_received DESC");
?>

View Report Data <?php echo $header_label;
?><br/><br/>
<div id="line"></div>
Data records found: <?php echo
mysql_num_rows($record_qry); ?><br/><br/>
<?php
    if(mysql_num_rows($record_qry)>0){
        printData($compiled_where_str, 'request',
"Resource Request");
        printData($compiled_where_str, 'dead',
"Death");
        printData($compiled_where_str, 'affected',
"Affected Individuals");
        printData($compiled_where_str, 'evacuee',
"Evacuate Individuals");
```

```php
        printData($compiled_where_str, 'pending',
"Pending Evacuation");
        printData($compiled_where_str, 'status',
"Status Update");
        printData($compiled_where_str, 'action',
"Actions Taken");
    }
?>
```

view_report_rescue_message.php

```php
<?php
    session_start();
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

        function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
                WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
                array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    else{
        return " from all regions";
    }
```

```php
    }
    }

    if(isset($_POST['start_date'])){
    $start_date = clean($_POST['start_date']);
    }
    if(isset($_POST['end_date'])){
    $end_date = clean($_POST['end_date']);
    }
    if(isset($_POST['location'])){
    $location = clean($_POST['location']);
    }

    if(isset($_GET['start_date'])){
        $start_date = clean($_GET['start_date']);
    }
    if(isset($_GET['end_date'])){
        $end_date = clean($_GET['end_date']);
    }
    if(isset($_GET['location'])){
        $location = clean($_GET['location']);
    }

    $conditions_arr = array();
    if(strlen($start_date) > 0 && strlen($end_date) >
0){
        array_push($conditions_arr," date_received
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'");
    }
    elseif(strlen($start_date) > 0){
        array_push($conditions_arr," date_received
>= '$start_date 00:00:00'");
    }
    elseif(strlen($end_date) > 0){
        array_push($conditions_arr," date_received
< '$end_date 23:59:59'");
    }
    else{
        $current_date  = date("Y-m-d");
        array_push($conditions_arr," date_received
BETWEEN '$current_date 00:00:00' AND
'$current_date 23:59:59'");
    }

    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        array_push($conditions_arr,
                "location IN (SELECT lgu_name
FROM local_government_unit
                WHERE region_id =
'".$location_arr[1]."')");
    }
```

```php
    elseif($location_arr[0] == "lgu"){
        array_push($conditions_arr,
                "location IN (SELECT lgu_name
FROM local_government_unit
                WHERE id =
'".$location_arr[1]."')");
    }
    else{
        //no location was chosen
    }

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $message_qry = mysql_query("SELECT * FROM
rescue_message
    $where_str
    ORDER BY date_received DESC, location");
    $table_name = 'rescue_message';
?>

    View civilian sms messages<?php
    $location_label = getLocationLabels($location);
    echo "$start_date and
$end_date$location_label";?> <br/><br/>

    Messages found:
<?php
    echo(mysql_num_rows($message_qry));
    if(mysql_num_rows($message_qry) > 0){
?>

    <table>
        <tr>
            <td>
                Date recieved
            </td>
            <td class="location">
                Location
            </td>
            <td class="name" >
                Name
            </td>
            <td class="message">
                Message
            </td class="contact_number">
            <td>
                Contact number
            </td>
        </tr>
```

```php
    <?php
    while($message =
mysql_fetch_array($message_qry)){
    ?>
        <tr>
            <td>
                <?php echo
$message['date_received']; ?>
            </td>
            <td class="location">
                <?php echo
$message['location']; ?>
            </td>
            <td class="name">
                <?php echo
$message['name']; ?>
            </td>
            <td class="message">
                <?php echo
$message['remarks']; ?>
            </td>
            <td class="contact_number">
                <?php echo
$message['contact_number']; ?>
            </td>
        </tr>

    <?php
    }
    ?>

    </table><br/>

    <?php
    }
    ?>
```

view_reports.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'dotc') &&
!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'op')){
        require("view_notice.php");
        exit;
    }

    if(isset($_POST['start_date'])){
```

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```php
        $start_date = $_POST['start_date'];
    }
    if(isset($_POST['end_date'])){
        $end_date = $_POST['end_date'];
    }
    if(isset($_POST['location'])){
        $location = $_POST['location'];
    }

    $conditions_arr = array();
    if(strlen($start_date) > 0 && strlen($end_date) >
0){
        array_push($conditions_arr,"
date_generated BETWEEN '$start_date 00:00:00'
AND '$end_date 23:59:59'");
    }
    elseif(strlen($start_date) > 0){
        array_push($conditions_arr,"
date_generated >= '$start_date 00:00:00'");
    }
    elseif(strlen($end_date) > 0){
        array_push($conditions_arr,"
date_generated < '$end_date 23:59:59'");
    }
    else{
        $current_date  = date("Y-m-d");
        array_push($conditions_arr,"
date_generated BETWEEN '$current_date 00:00:00'
AND '$current_date 23:59:59'");
    }

    $where_str = "";
    if(count($conditions_arr) > 0){
        $where_str = "WHERE ".implode(" AND ",
$conditions_arr);
    }

    $reports_qry = mysql_query("SELECT * FROM
report_record
    $where_str
    ORDER BY date_generated DESC");

?>

    View Reports<br/>
    <div id="line"></div>

    Number of Retrieved Reports: <?php echo
mysql_num_rows($reports_qry); ?><br/><br/>
<?php
    $dir = "generated_reports/";
    while($report_record =
mysql_fetch_array($reports_qry)){
```

```php
        $user_qry = mysql_query("SELECT * FROM
user
                WHERE id =
'".$report_record['report_maker_id']."'");
        $user = mysql_fetch_array($user_qry);

        echo '<a class="bullet" href =
"'.$dir.$report_record['report_title'].'"
target="_blank">'.$report_record['report_title'].'</a
>
                by '.$user['first_name'].'
'.$user['last_name'].' on
'.$report_record['date_generated'].'<br/>';
    }

    require("footer.php");
?>
```

view_reports_qry.php

```php
<?php
    require("header.php");
    require("authenticator_functions.php");

  $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'dotc') &&
!authenticatePosition($user_id, 'pcoo') &&
!authenticatePosition($user_id, 'op')){

        require("view_notice.php");
        exit;
    }
?>

    <link rel="stylesheet"
href="http://code.jquery.com/ui/1.10.0/themes/bas
e/jquery-ui.css" />
    <script src="http://code.jquery.com/jquery-
1.8.3.js"></script>
    <script
src="http://code.jquery.com/ui/1.10.0/jquery-
ui.js"></script>
    <link rel="stylesheet"
href="/resources/demos/style.css" />

    <script type="text/javascript">
        $(function() {
                $( "#start_date" ).datepicker({
                    dateFormat: 'yy-mm-dd',
                    changeMonth: true,
                    changeYear: true,
                    numberOfMonths: 2,
```

```
                    onClose: function( selectedDate )
{
                        $( "#end_date"
).datepicker( "option", "minDate", selectedDate );
                    }
                });
                $( "#end_date" ).datepicker({
                    dateFormat: 'yy-mm-dd',
                    changeMonth: true,
                    changeYear: true,
                    numberOfMonths: 2,
                    onClose: function( selectedDate )
{
                        $( "#start_date"
).datepicker( "option", "maxDate", selectedDate );
                    }
                });
            });
        </script>
        View Reports<br/>
        <div id="line"></div>

        <form action="view_reports.php"
method="POST">
            Date:
            <input readonly value = "<?php echo
date("Y-m-d", strtotime("-1 month")); ?>"
type="text" name="start_date" id="start_date"
class="date_pick" /> to
            <input readonly value = "<?php echo
date('Y-m-d'); ?>"  type="text" name="end_date"
id="end_date" class="date_pick" />
            <br/><br/>
            <input type="reset" value="Reset">
            <input type="SUBMIT" name = "SUBMIT"
value="View" />
        </form>
        <div id="line"></div>

        Generated Reports<br/><br/>
<?php
    $dir = "generated_reports/";
    $reports_qry = mysql_query("SELECT * FROM
report_record
        ORDER BY date_generated DESC");
    echo "Available reports found:
".mysql_num_rows($reports_qry)."<br/><br/>";

    while($report_record =
mysql_fetch_array($reports_qry)){
        $user_qry = mysql_query("SELECT * FROM
user
```

```
                WHERE id =
'".$report_record['report_maker_id']."'");
        $user = mysql_fetch_array($user_qry);

        echo '<a class="bullet" href =
'".$dir.$report_record['report_title'].'"
target="_blank">'.$report_record['report_title'].'</a
>
                by '.$user['first_name'].'
'.$user['last_name'].' on
'.$report_record['date_generated'].'<br/>';
    }

    require("footer.php");
?>
```

view_rescue_messages.php

```
<?php
    require("header.php");
    require("connect_to_db.php");
    require("clean.php");
    require("authenticator_functions.php");

    $user_id = $_SESSION['user_id'];
    if(!authenticatePosition($user_id, 'ndrrmc') &&
!authenticatePosition($user_id, 'rdrrmc') &&
!authenticatePosition($user_id, 'ldrrmc')){
        require("view_notice.php");
        exit;
    }

    function getLocationLabels($location){
    $location_labels = array();
    $location_arr = explode(";",$location);
    if($location_arr[0] == "region"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
            WHERE region_id =
'".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
            array_push($location_labels,
$lgu['lgu_name']);
        }
        return " <br/>from: ".implode(",
",$location_labels);
    }
    elseif($location_arr[0] == "lgu"){
        $lgu_qry = mysql_query("SELECT lgu_name
FROM local_government_unit
            WHERE id = '".$location_arr[1]."'");
        while($lgu = mysql_fetch_array($lgu_qry)){
```

```php
					array_push($location_labels,
$lgu['lgu_name']);
			}
			return " <br/>from: ".implode(",
",$location_labels);
	}
	else{
		return " from all regions";
	}
	}

	if(isset($_POST['start_date'])){
	$start_date = clean($_POST['start_date']);
	}
	if(isset($_POST['end_date'])){
	$end_date = clean($_POST['end_date']);
	}
	if(isset($_POST['location'])){
	$location = clean($_POST['location']);
	}

	if(isset($_GET['start_date'])){
		$start_date = clean($_GET['start_date']);
	}
	if(isset($_GET['end_date'])){
		$end_date = clean($_GET['end_date']);
	}
	if(isset($_GET['location'])){
		$location = clean($_GET['location']);
	}

	$conditions_arr = array();
	if(strlen($start_date) > 0 && strlen($end_date) >
0){
		array_push($conditions_arr," date_received
BETWEEN '$start_date 00:00:00' AND '$end_date
23:59:59'");
	}
	elseif(strlen($start_date) > 0){
		array_push($conditions_arr," date_received
>= '$start_date 00:00:00'");
	}
	elseif(strlen($end_date) > 0){
		array_push($conditions_arr," date_received
< '$end_date 23:59:59'");
	}
	else{
		$current_date  = date("Y-m-d");
		array_push($conditions_arr," date_received
BETWEEN '$current_date 00:00:00' AND
'$current_date 23:59:59'");
	}

	$location_arr = explode(";",$location);
	if($location_arr[0] == "region"){
		array_push($conditions_arr,
			"location IN (SELECT lgu_name
FROM local_government_unit
			WHERE region_id =
'".$location_arr[1]."')");
	}
	elseif($location_arr[0] == "lgu"){
		array_push($conditions_arr,
			"location IN (SELECT lgu_name
FROM local_government_unit
			WHERE id =
'".$location_arr[1]."')");
	}
	else{
		//no location was chosen
	}

	$where_str = "";
	if(count($conditions_arr) > 0){
		$where_str = "WHERE ".implode(" AND ",
$conditions_arr);
	}

	$message_qry = mysql_query("SELECT * FROM
rescue_message
	$where_str
	ORDER BY date_received DESC, location");
	$table_name = 'rescue_message';
?>

	View civilian sms messages between <?php
	$location_label = getLocationLabels($location);
	echo "$start_date and
$end_date$location_label";?> <br/><br/>
	<div id="line"></div>
	Messages found:
<?php
	echo(mysql_num_rows($message_qry));
	if(mysql_num_rows($message_qry) > 0){
?>

	<form action="input_sms_message.php"
method="POST">
	<input type="hidden" name="table_name"
value="<?php echo($table_name); ?>">

	<table>
		<tr>
			<td>

			</td>
```

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```html
				<td>
					Date recieved
				</td>
				<td class="location">
					Location
				</td>
				<td class="name" >
					Name
				</td>
				<td>
					Message
				</td>
				<td>
					Contact number
				</td>
		</tr>

	<?php
	while($message =
mysql_fetch_array($message_qry)){
	?>
			<tr>
				<td>
					<input type="checkbox"
name="recipient[]" value="<?php echo
$message['id']; ?>" >
				</td>
				<td>
					<?php echo
$message['date_received']; ?>
				</td>
				<td class="location">
					<?php echo
$message['location']; ?>
				</td>
				<td class="name">
					<?php echo
$message['name']; ?>
				</td>
				<td>
					<?php echo
$message['remarks']; ?>
				</td>
				<td class="contact_number">
					<?php echo
$message['contact_number']; ?>
				</td>
		</tr>

	<?php
	}
	?>
```

```html
	</table><br/>
	<button name="action" type="submit"
value="send" />Send Message
	</form>
```

```php
<?php
	}
	require("footer.php");
?>
```

C. MySQL files

dmcs.sql

```sql
SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";
SET time_zone = "+00:00";


/*!40101 SET
@OLD_CHARACTER_SET_CLIENT=@@CHARACTER_S
ET_CLIENT */;
/*!40101 SET
@OLD_CHARACTER_SET_RESULTS=@@CHARACTER_
SET_RESULTS */;
/*!40101 SET
@OLD_COLLATION_CONNECTION=@@COLLATION_
CONNECTION */;
/*!40101 SET NAMES utf8 */;

--
-- Database: `dmcs`
--

-- --------------------------------------------------------

--
-- Table structure for table `announcement`
--

CREATE TABLE IF NOT EXISTS `announcement` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `subject` varchar(1000) NOT NULL,
  `message` varchar(10000) NOT NULL,
  `poster_id` int(4) NOT NULL,
  `date_posted` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  PRIMARY KEY (`id`),
  KEY `poster_id` (`poster_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------
```

```
--
-- Table structure for table `calamity_structure`
--

CREATE TABLE IF NOT EXISTS `calamity_structure` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `lgu_id` int(11) NOT NULL,
  `declarer_id` int(4) NOT NULL,
  `date_declared` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `date_ended` timestamp NOT NULL DEFAULT '0000-
00-00 00:00:00',
  `status` enum('ongoing','ended') NOT NULL
DEFAULT 'ongoing',
  PRIMARY KEY (`id`),
  KEY `declarer_id` (`declarer_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `dispatch_message`
--

CREATE TABLE IF NOT EXISTS `dispatch_message` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `dispatch_record_id` int(11) NOT NULL,
  `message` varchar(10000) NOT NULL,
  `date_sent` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `dispatch_record`
--

CREATE TABLE IF NOT EXISTS `dispatch_record` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `recipient_id` int(4) NOT NULL,
  `date_sent` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `response` enum('no response','accept','decline')
NOT NULL DEFAULT 'no response',
  `sender_id` int(4) NOT NULL,
  `date_ended` timestamp NOT NULL DEFAULT '0000-
00-00 00:00:00',
```

```
  `status` enum('pending','ongoing','ended') NOT
NULL DEFAULT 'pending',
  `event_id` int(11) NOT NULL,
  `transaction_code` int(11) NOT NULL,
  PRIMARY KEY (`id`),
  KEY `recipient_id` (`recipient_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `event`
--

CREATE TABLE IF NOT EXISTS `event` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `title` varchar(1000) NOT NULL,
  `description` varchar(1000) NOT NULL,
  `creater` int(11) NOT NULL,
  `date_started` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `date_ended` timestamp NOT NULL DEFAULT '0000-
00-00 00:00:00',
  `location` varchar(11) NOT NULL,
  `status` enum('ongoing','ended') NOT NULL
DEFAULT 'ongoing',
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `ldrrmc_lgu`
--

CREATE TABLE IF NOT EXISTS `ldrrmc_lgu` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `user_id` int(11) NOT NULL,
  `lgu_id` int(11) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM  DEFAULT CHARSET=latin1
AUTO_INCREMENT=14 ;

--
-- Dumping data for table `ldrrmc_lgu`
--

INSERT INTO `ldrrmc_lgu` (`id`, `user_id`, `lgu_id`)
VALUES
(5, 38, 6),
(4, 37, 3),
```

(6, 39, 1),
(7, 40, 18),
(8, 41, 19),
(9, 42, 20),
(10, 43, 25),
(11, 44, 26),
(12, 45, 27),
(13, 65, 4);

-- --

--
-- Table structure for table `local_government_unit`
--

CREATE TABLE IF NOT EXISTS
`local_government_unit` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `region_id` int(2) NOT NULL,
  `lgu_name` varchar(50) NOT NULL,
  `state` enum('normal','calamity') NOT NULL
DEFAULT 'normal',
  PRIMARY KEY (`id`),
  KEY `region_id` (`region_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=118 ;

--
-- Dumping data for table `local_government_unit`
--

INSERT INTO `local_government_unit` (`id`,
`region_id`, `lgu_name`, `state`) VALUES
(1, 1, 'Caloocan', 'normal'),
(2, 1, 'Las Piñas', 'normal'),
(3, 1, 'Makati', 'normal'),
(4, 1, 'Malabon', 'normal'),
(5, 1, 'Mandaluyong', 'normal'),
(6, 1, 'Manila', 'normal'),
(7, 1, 'Marikina', 'normal'),
(8, 1, 'Muntinlupa', 'normal'),
(9, 1, 'Navotas', 'normal'),
(10, 1, 'Parañaque', 'normal'),
(11, 1, 'Pasay', 'normal'),
(12, 1, 'Pasig', 'normal'),
(13, 1, 'Pateros', 'normal'),
(14, 1, 'Quezon City', 'normal'),
(15, 1, 'San Juan', 'normal'),
(16, 1, 'Taguig', 'normal'),
(17, 1, 'Valenzuela', 'normal'),
(18, 2, 'Abra', 'normal'),
(19, 2, 'Apayao', 'normal'),
(20, 2, 'Baguio', 'normal'),
(21, 2, 'Benguet', 'normal'),
(22, 2, 'Ifugao', 'normal'),
(23, 2, 'Kalinga', 'normal'),
(24, 2, 'Mountain Province', 'normal'),
(25, 3, 'Dagupan', 'normal'),
(26, 3, 'Ilocos Norte', 'normal'),
(27, 3, 'Ilocos Sur', 'normal'),
(28, 3, 'La Union', 'normal'),
(29, 3, 'Pangasinan', 'normal'),
(30, 4, 'Batanes', 'normal'),
(31, 4, 'Cagayan', 'normal'),
(32, 4, 'Isabela', 'normal'),
(33, 4, 'Nueva Vizcaya', 'normal'),
(34, 4, 'Quirino', 'normal'),
(35, 4, 'Santiago', 'normal'),
(36, 5, 'Angeles', 'normal'),
(37, 5, 'Aurora', 'normal'),
(38, 5, 'Bataan', 'normal'),
(39, 5, 'Bulacan', 'normal'),
(40, 5, 'Nueva Ecija', 'normal'),
(41, 5, 'Olongapo', 'normal'),
(42, 5, 'Pampanga', 'normal'),
(43, 5, 'Tarlac', 'normal'),
(44, 5, 'Zambales', 'normal'),
(45, 6, 'Batangas', 'normal'),
(46, 6, 'Cavite', 'normal'),
(47, 6, 'Laguna', 'normal'),
(48, 6, 'Lucena', 'normal'),
(49, 6, 'Quezon', 'normal'),
(50, 6, 'Rizal', 'normal'),
(51, 7, 'Marinduque', 'normal'),
(52, 7, 'Occidental Mindoro', 'normal'),
(53, 7, 'Oriental Mindoro', 'normal'),
(54, 7, 'Palawan', 'normal'),
(55, 7, 'Puerto Princesa', 'normal'),
(56, 7, 'Romblon', 'normal'),
(57, 8, 'Albay', 'normal'),
(58, 8, 'Camarines Norte', 'normal'),
(59, 8, 'Camarines Sur', 'normal'),
(60, 8, 'Catanduanes', 'normal'),
(61, 8, 'Masbate', 'normal'),
(62, 8, 'Sorsogon', 'normal'),
(63, 9, 'Aklan', 'normal'),
(64, 9, 'Antique', 'normal'),
(65, 9, 'Bacolod', 'normal'),
(66, 9, 'Capiz', 'normal'),
(67, 9, 'Guimaras', 'normal'),
(68, 9, 'Iloilo', 'normal'),
(69, 9, 'Iloilo City', 'normal'),
(70, 9, 'Negros Occidental', 'normal'),
(71, 10, 'Bohol', 'normal'),
(72, 10, 'Cebu', 'normal'),
(73, 10, 'Cebu City', 'normal'),

(74, 10, 'Negros Oriental', 'normal'),
(75, 10, 'Siquijor', 'normal'),
(76, 11, 'Biliran', 'normal'),
(77, 11, 'Eastern Samar', 'normal'),
(78, 11, 'Leyte', 'normal'),
(79, 11, 'Northern Samar', 'normal'),
(80, 11, 'Ormoc', 'normal'),
(81, 11, 'Samar', 'normal'),
(82, 11, 'Southern Leyte', 'normal'),
(83, 11, 'Tacloban', 'normal'),
(84, 12, 'Isabela City', 'normal'),
(85, 12, 'Zamboanga City', 'normal'),
(86, 12, 'Zamboanga del Norte', 'normal'),
(87, 12, 'Zamboanga del Sur', 'normal'),
(88, 12, 'Zamboanga Sibugay', 'normal'),
(89, 13, 'Bukidnon', 'normal'),
(90, 13, 'Cagayan de Oro', 'normal'),
(91, 13, 'Camiguin', 'normal'),
(92, 13, 'Iligan', 'normal'),
(93, 13, 'Lanao del Norte', 'normal'),
(94, 13, 'Misamis Occidental', 'normal'),
(95, 13, 'Misamis Oriental', 'normal'),
(96, 14, 'Compostela Valley', 'normal'),
(97, 14, 'Davao City', 'normal'),
(98, 14, 'Davao del Norte', 'normal'),
(99, 14, 'Davao del Sur', 'normal'),
(100, 14, 'Davao Oriental', 'normal'),
(101, 15, 'Cotabato', 'normal'),
(102, 15, 'Cotabato City', 'normal'),
(103, 15, 'General Santos', 'normal'),
(104, 15, 'Sarangani', 'normal'),
(105, 15, 'South Cotabato', 'normal'),
(106, 15, 'Sultan Kudarat', 'normal'),
(107, 16, 'Agusan del Norte', 'normal'),
(108, 16, 'Agusan del Sur', 'normal'),
(109, 16, 'Butuan', 'normal'),
(110, 16, 'Dinagat Islands', 'normal'),
(111, 16, 'Surigao del Norte', 'normal'),
(112, 16, 'Surigao del Sur', 'normal'),
(113, 17, 'Basilan', 'normal'),
(114, 17, 'Lanao del Sur', 'normal'),
(115, 17, 'Maguindanao', 'normal'),
(116, 17, 'Sulu', 'normal'),
(117, 17, 'Tawi-Tawi', 'normal');

-- --

--
-- Table structure for table `manpower`
--

CREATE TABLE IF NOT EXISTS `manpower` (
  `id` int(4) NOT NULL AUTO_INCREMENT,
  `contact_number` varchar(15) NOT NULL,
  `location` int(11) NOT NULL,
  `dispatch_status`
enum('available','deployed','pending approval') NOT
NULL DEFAULT 'available',
  `organization` varchar(100) NOT NULL,
  `first_name` varchar(30) NOT NULL,
  `last_name` varchar(30) NOT NULL,
  `status` enum('activated','deactivated') NOT NULL
DEFAULT 'activated',
  `current_dispatch_record_id` int(11) NOT NULL
DEFAULT '-1',
  PRIMARY KEY (`id`),
  KEY `location` (`location`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=54 ;

--
-- Dumping data for table `manpower`
--

INSERT INTO `manpower` (`id`, `contact_number`,
`location`, `dispatch_status`, `organization`,
`first_name`, `last_name`, `status`,
`current_dispatch_record_id`) VALUES
(17, '+639177391180', 6, 'available', 'ldrrmc', 'Blue',
'Globe', 'activated', -1),
(18, '+639187426092', 6, 'available', 'ldrrmc', 'Sheila',
'Magboo', 'activated', -1),
(19, '+639177391180', 6, 'available', 'ldrrmc', 'Julius',
'Babao', 'activated', -1),
(20, '+639177391180', 6, 'available', 'ldrrmc', 'Noy',
'Aquino', 'activated', -1),
(21, '+639177391180', 6, 'available', 'ldrrmc', 'Barak',
'Obama', 'activated', -1),
(22, '+639177391180', 6, 'pending approval',
'ldrrmc', 'Clo', 'Perez', 'activated', 87),
(23, '+639177391180', 6, 'available', 'ldrrmc', 'Jake',
'Bustos', 'activated', -1),
(24, '+639177391180', 6, 'deployed', 'ldrrmc',
'Dwight', 'Tan', 'activated', 73),
(25, '+639177391180', 6, 'available', 'ldrrmc', 'Risa',
'Ontiveros', 'activated', -1),
(26, '+639177391180', 6, 'available', 'ldrrmc', 'Kris',
'Aquino', 'activated', -1),
(27, '+639177391180', 6, 'available', 'dnd', 'Leeroy',
'Jenkins', 'activated', -1),
(28, '+639177391180', 6, 'available', 'dnd', 'Jenny',
'Renigen', 'activated', -1),
(29, '+639177391180', 6, 'pending approval', 'dnd',
'Rodolfo', 'Bagay', 'activated', 84),
(30, '+639177391180', 6, 'available', 'dnd', 'Ben',
'Sholtz', 'activated', -1),

(31, '+639177391180', 6, 'pending approval', 'dnd', 'Ben', 'Basino', 'activated', 85),
(32, '+639177391180', 6, 'available', 'dnd', 'Nino', 'Tan', 'activated', -1),
(33, '+639177391180', 6, 'available', 'dnd', 'Shawn', 'Lucas', 'activated', -1),
(34, '+639177391180', 6, 'available', 'dnd', 'Greg', 'Fields', 'activated', -1),
(35, '+639177391180', 6, 'available', 'dnd', 'Fred', 'Fabian', 'activated', -1),
(36, '+639177391180', 6, 'available', 'dnd', 'James', 'Marcos', 'activated', -1),
(37, '+639177391180', 6, 'available', 'dnd', 'Aurelia', 'Florentino', 'activated', -1),
(38, '+639177391180', 6, 'pending approval', 'dnd', 'Liwayway', 'Tibay', 'activated', 83),
(39, '+639177391180', 6, 'available', 'dnd', 'Maria', 'Pulido', 'activated', -1),
(40, '+639177391180', 6, 'pending approval', 'dnd', 'Shaun', 'Daroya', 'activated', 86),
(41, '+639177391180', 6, 'available', 'prc', 'Ben', 'Sholtz', 'activated', -1),
(42, '+639177391180', 6, 'available', 'prc', 'Ben', 'Basino', 'activated', -1),
(43, '+639177391180', 6, 'available', 'prc', 'Nino', 'Tan', 'activated', -1),
(44, '+639177391180', 6, 'available', 'prc', 'Shawn', 'Lucas', 'activated', -1),
(45, '+639177391180', 6, 'available', 'prc', 'Greg', 'Fields', 'activated', -1),
(46, '+639177391180', 6, 'available', 'prc', 'Fred', 'Fabian', 'activated', -1),
(47, '+639177391180', 6, 'available', 'prc', 'James', 'Marcos', 'activated', -1),
(48, '+639177391180', 6, 'available', 'prc', 'Aurelia', 'Florentino', 'activated', -1),
(49, '+639177391180', 6, 'available', 'prc', 'Liwayway', 'Tibay', 'activated', -1),
(50, '+639177391180', 6, 'available', 'prc', 'Maria', 'Pulido', 'activated', -1),
(51, '+639177391180', 6, 'available', 'prc', 'Shaun', 'Daroya', 'activated', -1),
(52, '+639177391180', 6, 'available', 'prc', 'Json', 'Mraz', 'activated', -1),
(53, '+639177391180', 6, 'available', 'prc', 'Pearl', 'Krabs', 'activated', -1);

-- --

--
-- Table structure for table `mission`
--

CREATE TABLE IF NOT EXISTS `mission` (
  `id` int(4) NOT NULL,
  `sequence_id` int(4) NOT NULL,
  `author_id` int(4) NOT NULL,
  `subject` varchar(500) NOT NULL,
  `message` varchar(10000) NOT NULL,
  `date_sent` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (`sequence_id`,`id`),
  KEY `id` (`id`),
  KEY `sequence_id` (`sequence_id`),
  KEY `mission_ibfk_1` (`author_id`),
  KEY `sequence_id_2` (`sequence_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;

--
-- Dumping data for table `mission`
--

INSERT INTO `mission` (`id`, `sequence_id`, `author_id`, `subject`, `message`, `date_sent`) VALUES
(1, 1, 34, 'Monthly Status update', 'Your status update is due next week. Please be guided accordingly.', '2013-03-15 14:32:53'),
(2, 1, 38, 'Long Message', 'WEATHER TODAY, January 31, 2013 \r\n\r\nvia @dost_pagasa: Tail-end of a Cold Front affecting Eastern Visayas. Northeast Monsoon affecting Luzon. \r\n\r\nRelated:\r\n-February to bring warmer days—Pagasa http://bit.ly/WACntv\r\n-Steady downpour floods Ozamiz Cityhttp://bit.ly/WePfco\r\n\r\nMore on PAGASA 24-Hour Forecast [5AM]: http://t.co/QsfoIoT4\r\nMore weather news: http://bit.ly/WeatherNews', '2013-03-20 17:24:40'),
(3, 1, 38, 'Help', 'please send help', '2013-03-20 20:06:49'),
(4, 1, 38, 'Help', 'please send help', '2013-03-20 20:07:25'),
(5, 1, 38, 'Help', 'please send help', '2013-03-20 20:07:38'),
(6, 1, 33, 'Status update', 'Please send resource status update.', '2013-03-23 06:31:22'),
(7, 1, 33, 'hjh', 'hjh', '2013-03-25 08:30:50'),
(8, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:48:17'),
(9, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:51:06'),
(10, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:51:34'),

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(11, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:52:24'),
(12, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:52:59'),
(13, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:53:31'),
(14, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:53:49'),
(15, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:54:06'),
(16, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:54:15'),
(17, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:54:28'),
(18, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:54:42'),
(19, 1, 33, 'Status update due next week', 'Please send your status update next week.', '2013-03-25 10:55:27'),
(1, 2, 38, 'Monthly Status update', 'Yes sir. will send it ASAP.', '2013-03-15 14:56:20'),
(2, 2, 38, 'Long Message', 'WEATHER TODAY, January 31, 2013 \r\n\r\nvia @dost_pagasa: Tail-end of a Cold Front affecting Eastern Visayas. Northeast Monsoon affecting Luzon. \r\n\r\nRelated:\r\n-February to bring warmer days—Pagasa http://bit.ly/WACntv\r\n-Steady downpour floods Ozamiz Cityhttp://bit.ly/WePfco\r\n\r\nMore on PAGASA 24-Hour Forecast [5AM]: http://t.co/QsfoIoT4\r\nMore weather news: http://bit.ly/WeatherNews', '2013-03-20 17:26:23'),
(6, 2, 34, 'Status update', 'ok', '2013-03-23 06:32:09'),
(2, 3, 38, 'Long Message', 'WEATHER TODAY, January 31, 2013 \r\n\r\nvia @dost_pagasa: Tail-end of a Cold Front affecting Eastern Visayas. Northeast Monsoon affecting Luzon. \r\n\r\nRelated:\r\n-February to bring warmer days—Pagasa http://bit.ly/WACntv\r\n-Steady downpour floods Ozamiz Cityhttp://bit.ly/WePfco\r\n\r\nMore on PAGASA 24-Hour Forecast [5AM]: http://t.co/QsfoIoT4\r\nMore weather news: http://bit.ly/WeatherNews', '2013-03-20 17:28:10'),
(2, 4, 38, 'Long Message', 'WEATHER TODAY, January 31, 2013 \r\n\r\nvia @dost_pagasa: Tail-end of a Cold Front affecting Eastern Visayas. Northeast Monsoon affecting Luzon. \r\n\r\nRelated:\r\n-February to bring warmer days—Pagasa http://bit.ly/WACntv\r\n-Steady downpour floods Ozamiz Cityhttp://bit.ly/WePfco\r\n\r\nMore on PAGASA 24-Hour Forecast [5AM]: http://t.co/QsfoIoT4\r\nMore weather news: http://bit.ly/WeatherNews', '2013-03-20 17:28:23');

-- --

--
-- Table structure for table `mission_member`
--

CREATE TABLE IF NOT EXISTS `mission_member` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `mission_id` int(4) NOT NULL,
  `sequence_id` int(4) NOT NULL,
  `recipient_id` int(4) NOT NULL,
  `status` enum('read','unread','deleted','draft') NOT NULL DEFAULT 'unread',
  PRIMARY KEY (`id`),
  KEY `mission_member_ibfk_1` (`mission_id`),
  KEY `mission_member_ibfk_2` (`sequence_id`),
  KEY `mission_member_ibfk_3` (`recipient_id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;

-- --

--
-- Table structure for table `position`
--

CREATE TABLE IF NOT EXISTS `position` (
  `id` int(4) NOT NULL AUTO_INCREMENT,
  `position` varchar(20) NOT NULL,
  `label` varchar(100) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=10 ;

--
-- Dumping data for table `position`
--

INSERT INTO `position` (`id`, `position`, `label`) VALUES
(1, 'admin', 'Administrator'),
(2, 'ndrrmc', 'NDRRMC personnel'),
(3, 'rdrrmc', 'RDRRMC personnel'),
(4, 'ldrrmc', 'LDRRMC personnel'),

```
(5, 'op', 'Office of the President of the Philippines
officer'),
(6, 'dotc', 'Department of Transportation and
Communications officer'),
(7, 'dnd', 'Department of National Defense officer'),
(8, 'prc', 'Philippine Red Cross officer'),
(9, 'pcoo', 'Presidential Communications Operations
Office');

-- --------------------------------------------------------

--
-- Table structure for table `rdrrmc_region`
--

CREATE TABLE IF NOT EXISTS `rdrrmc_region` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `user_id` int(11) NOT NULL,
  `region_id` int(11) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=MyISAM  DEFAULT CHARSET=latin1
AUTO_INCREMENT=22 ;

--
-- Dumping data for table `rdrrmc_region`
--

INSERT INTO `rdrrmc_region` (`id`, `user_id`,
`region_id`) VALUES
(6, 35, 2),
(5, 34, 1),
(7, 36, 3),
(8, 50, 4),
(9, 51, 5),
(10, 52, 6),
(11, 53, 7),
(12, 54, 8),
(13, 55, 9),
(14, 56, 10),
(15, 57, 11),
(16, 59, 12),
(17, 60, 13),
(18, 61, 14),
(19, 62, 15),
(20, 63, 16),
(21, 64, 17);

-- --------------------------------------------------------

--
-- Table structure for table `region`
--
```

```
CREATE TABLE IF NOT EXISTS `region` (
  `id` int(2) NOT NULL AUTO_INCREMENT,
  `region_name` varchar(50) NOT NULL,
  `short_name` varchar(50) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB  DEFAULT CHARSET=latin1
AUTO_INCREMENT=18 ;

--
-- Dumping data for table `region`
--

INSERT INTO `region` (`id`, `region_name`,
`short_name`) VALUES
(1, 'National Capital Region', 'NCR'),
(2, 'Cordillera Administrative Region', 'CAR'),
(3, 'Ilocos Region', 'Region I'),
(4, 'Cagayan Valley', 'Region II'),
(5, 'Central Luzon', 'Region III'),
(6, 'CALABARZON', 'Region IV-A'),
(7, 'MIMAROPA', 'Region IV-B'),
(8, 'Bicol Region', 'Region V'),
(9, 'Western Visayas', 'Region VI'),
(10, 'Central Visayas', 'Region VII'),
(11, 'Eastern Visayas', 'Region VIII'),
(12, 'Zamboanga Peninsula', 'Region IX'),
(13, 'Northern Mindanao', 'Region X'),
(14, 'Davao Region', 'Region XI'),
(15, 'SOCCSKSARGEN', 'Region XII'),
(16, 'Caraga Region', 'Region XIII'),
(17, 'Autonomous Region in Muslim Mindanao',
'ARMM');

-- --------------------------------------------------------

--
-- Table structure for table `report_data`
--

CREATE TABLE IF NOT EXISTS `report_data` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `dispatch_record_id` int(11) NOT NULL,
  `type`
enum('dead','affected','evacuee','pending','status','a
ction','request') NOT NULL,
  `value` varchar(1000) NOT NULL,
  `date_received` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `status` enum('unresolved','resolved') NOT NULL
DEFAULT 'unresolved',
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;
```

```
-- --------------------------------------------------------

--
-- Table structure for table `report_detail`
--

CREATE TABLE IF NOT EXISTS `report_detail` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `report_id` int(11) NOT NULL,
  `sequence_id` int(11) NOT NULL,
  `category` varchar(100) NOT NULL,
  `text` varchar(1000) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `report_record`
--

CREATE TABLE IF NOT EXISTS `report_record` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `report_title` varchar(1000) NOT NULL,
  `report_maker_id` int(11) NOT NULL,
  `date_generated` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `publish_status` enum('unpublished','published')
NOT NULL DEFAULT 'unpublished',
  `title` varchar(1000) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `rescue_message`
--

CREATE TABLE IF NOT EXISTS `rescue_message` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `contact_number` varchar(13) NOT NULL,
  `name` varchar(100) NOT NULL,
  `location` varchar(100) NOT NULL,
  `remarks` varchar(300) NOT NULL,
  `date_received` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `validation` enum('validated','not validated') NOT
NULL DEFAULT 'not validated',
  `event_id` int(11) NOT NULL,
```

```
  `view_option` enum('disregard','view') NOT NULL
DEFAULT 'view',
  `validation_response` enum('confirmed','false')
NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `resource_request`
--

CREATE TABLE IF NOT EXISTS `resource_request` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `requester_id` int(11) NOT NULL,
  `resource` enum('manpower','material') NOT NULL,
  `quantity` int(11) NOT NULL,
  `status` enum('pending
response','accepted','rejected','cancelled','forwarde
d') NOT NULL DEFAULT 'pending response',
  `remarks` varchar(1000) NOT NULL,
  `date_requested` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `recipient_id` int(11) NOT NULL,
  `response_remarks` varchar(1000) NOT NULL,
  `event_id` int(11) NOT NULL,
  `date_responded` timestamp NOT NULL DEFAULT
'0000-00-00 00:00:00',
  `response_quantity` int(11) NOT NULL,
  PRIMARY KEY (`id`),
  KEY `id` (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `uploaded_file`
--

CREATE TABLE IF NOT EXISTS `uploaded_file` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `announcement_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `file_name` varchar(100) NOT NULL,
  `file_size` int(10) NOT NULL,
  `file_type` varchar(100) NOT NULL,
  `date_uploaded` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  PRIMARY KEY (`id`)
```

```
) ENGINE=MyISAM DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

-- --------------------------------------------------------

--
-- Table structure for table `user`
--

CREATE TABLE IF NOT EXISTS `user` (
  `id` int(4) NOT NULL AUTO_INCREMENT,
  `username` varchar(30) NOT NULL,
  `password` varchar(40) NOT NULL,
  `first_name` varchar(30) NOT NULL,
  `last_name` varchar(20) NOT NULL,
  `position_id` int(4) NOT NULL,
  `status` enum('activated','deactivated') NOT NULL
DEFAULT 'activated',
  PRIMARY KEY (`id`),
  KEY `position_id` (`position_id`)
) ENGINE=InnoDB  DEFAULT CHARSET=latin1
AUTO_INCREMENT=68 ;

--
-- Dumping data for table `user`
--

INSERT INTO `user` (`id`, `username`, `password`,
`first_name`, `last_name`, `position_id`, `status`)
VALUES
(1, 'admin', '21232f297a57a5a743894a0e4a801fc3',
'Blessie', 'Gamboa', 1, 'activated'),
(33, 'ndrrmc',
'02a1389ae5f4ab5bdd07711070aa9848', 'Juan', 'dela
Cruz', 2, 'activated'),
(34, 'rdrrmc-ncr',
'f0b718fa26a768d9ee6b8123272f785e', 'Elmer',
'Cruz', 3, 'activated'),
(35, 'rdrrmc-car',
'f0b718fa26a768d9ee6b8123272f785e', 'RJ', 'Lim', 3,
'activated'),
(36, 'rdrrmc-ilocos',
'f0b718fa26a768d9ee6b8123272f785e', 'RR',
'Gabunada', 3, 'activated'),
(37, 'ldrrmc-makati',
'40d6928ceb180090fe44173d147f0f7c', 'Nadine',
'Marcelo', 4, 'activated'),
(38, 'ldrrmc-manila',
'40d6928ceb180090fe44173d147f0f7c', 'Psalm',
'Chan', 4, 'activated'),
(39, 'ldrrmc-caloocan',
'40d6928ceb180090fe44173d147f0f7c', 'Lia',
'Palma', 4, 'activated'),
(40, 'ldrrmc-abra',
'40d6928ceb180090fe44173d147f0f7c', 'Diane',
'Luib', 4, 'activated'),
(41, 'ldrrmc-apayao',
'40d6928ceb180090fe44173d147f0f7c', 'Angela',
'Conejero', 4, 'activated'),
(42, 'ldrrmc-baguio',
'40d6928ceb180090fe44173d147f0f7c', 'Robin',
'Lucas', 4, 'activated'),
(43, 'ldrrmc-dagupan',
'40d6928ceb180090fe44173d147f0f7c', 'Adrian',
'Rabe', 4, 'activated'),
(44, 'ldrrmc-ilocosnorte',
'40d6928ceb180090fe44173d147f0f7c', 'Kevin',
'Corpuz', 4, 'activated'),
(45, 'ldrrmc-ilocossur',
'40d6928ceb180090fe44173d147f0f7c', 'Montserat',
'Ticzon', 4, 'activated'),
(46, 'opp', '3ad056c91cd3698877680b18756af52a',
'Tina', 'Tabag', 5, 'activated'),
(47, 'dotc', '0d1c843ca28c7578a2ac6be9035395c6',
'Lee', 'Yarcia', 6, 'activated'),
(48, 'dnd', 'a745f8d7bb5e7c5321dfffcbea1622a9',
'Candace', 'Tan', 7, 'activated'),
(49, 'pcoo', '1cc7fe6eda6fa1c6ad17c41829422405',
'Ulah', 'Urubio', 9, 'activated'),
(50, 'rdrrmc-cagayan',
'f0b718fa26a768d9ee6b8123272f785e', 'David',
'Elevazo', 3, 'activated'),
(51, 'rdrrmc-centralluzon',
'f0b718fa26a768d9ee6b8123272f785e', 'Randy',
'Santiago', 3, 'activated'),
(52, 'rdrrmc-calbarzon',
'f0b718fa26a768d9ee6b8123272f785e', 'Rick',
'Ashley', 3, 'activated'),
(53, 'rdrrmc-mimaropa',
'f0b718fa26a768d9ee6b8123272f785e', 'Martin',
'Rivera', 3, 'activated'),
(54, 'rdrrmc-bicol',
'f0b718fa26a768d9ee6b8123272f785e', 'Yeng',
'Constantino', 3, 'activated'),
(55, 'rdrrmc-westernvisayas',
'f0b718fa26a768d9ee6b8123272f785e', 'Lea',
'Salonga', 3, 'activated'),
(56, 'rdrrmc-centralvisayas',
'f0b718fa26a768d9ee6b8123272f785e', 'Sarah',
'Geronimo', 3, 'activated'),
(57, 'rdrrmc-easternvisayas',
'f0b718fa26a768d9ee6b8123272f785e', 'Erik',
'Santos', 3, 'activated'),
(59, 'rdrrmc-zamboanga',
'f0b718fa26a768d9ee6b8123272f785e', 'David',
'Pomeranz', 3, 'activated'),
```

(60, 'rdrrmc-northernmindanao',
'f0b718fa26a768d9ee6b8123272f785e', 'Jed',
'Madela', 3, 'deactivated'),
(61, 'rdrrmc-davao',
'f0b718fa26a768d9ee6b8123272f785e', 'Gary',
'Valenciano', 3, 'activated'),
(62, 'rdrrmc-soccsksargen',
'f0b718fa26a768d9ee6b8123272f785e', 'Zsa Zsa',
'Padilla', 3, 'activated'),
(63, 'rdrrmc-caraga',
'f0b718fa26a768d9ee6b8123272f785e', 'Jennifer',
'Lopez', 3, 'activated'),
(64, 'rdrrmc-armm',
'f0b718fa26a768d9ee6b8123272f785e', 'Patrick',
'Stump', 3, 'activated'),
(65, 'ldrrmc-malabon',
'40d6928ceb180090fe44173d147f0f7c', 'George',
'Clooney', 4, 'activated'),
(66, 'prc', '5730376dd0033959ffcb14cf25ccdc5c',
'Jo', 'Z', 8, 'activated'),
(67, 'ndrrmc-2013',
'02a1389ae5f4ab5bdd07711070aa9848', 'Abuel',
'Mac', 2, 'activated');

-- --

--
-- Table structure for table `validation_request`
--

CREATE TABLE IF NOT EXISTS `validation_request` (
  `id` int(11) NOT NULL AUTO_INCREMENT,
  `message_id` int(11) NOT NULL,
  `manpower_id` int(11) NOT NULL,
  `user_id` int(11) NOT NULL,
  `response` enum('pending','confirmed','false') NOT
NULL DEFAULT 'pending',
  `date_sent` timestamp NOT NULL DEFAULT
CURRENT_TIMESTAMP,
  `date_validated` timestamp NOT NULL DEFAULT
'0000-00-00 00:00:00',
  `transaction_code` int(11) NOT NULL,
  PRIMARY KEY (`id`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1
AUTO_INCREMENT=1 ;

--
-- Constraints for dumped tables
--

--
-- Constraints for table `announcement`
--

ALTER TABLE `announcement`
  ADD CONSTRAINT `announcement_ibfk_2`
FOREIGN KEY (`poster_id`) REFERENCES `user` (`id`)
ON DELETE CASCADE ON UPDATE CASCADE;

--
-- Constraints for table `calamity_structure`
--
ALTER TABLE `calamity_structure`
  ADD CONSTRAINT `calamity_structure_ibfk_2`
FOREIGN KEY (`declarer_id`) REFERENCES `user` (`id`)
ON DELETE CASCADE ON UPDATE CASCADE;

--
-- Constraints for table `dispatch_record`
--
ALTER TABLE `dispatch_record`
  ADD CONSTRAINT `dispatch_record_ibfk_1`
FOREIGN KEY (`recipient_id`) REFERENCES
`manpower` (`id`);

--
-- Constraints for table `local_government_unit`
--
ALTER TABLE `local_government_unit`
  ADD CONSTRAINT `local_government_unit_ibfk_1`
FOREIGN KEY (`region_id`) REFERENCES `region`
(`id`);

--
-- Constraints for table `manpower`
--
ALTER TABLE `manpower`
  ADD CONSTRAINT `manpower_ibfk_1` FOREIGN
KEY (`location`) REFERENCES
`local_government_unit` (`id`);

--
-- Constraints for table `mission`
--
ALTER TABLE `mission`
  ADD CONSTRAINT `mission_ibfk_1` FOREIGN KEY
(`author_id`) REFERENCES `user` (`id`) ON DELETE
CASCADE ON UPDATE CASCADE;

--
-- Constraints for table `mission_member`
--
ALTER TABLE `mission_member`
  ADD CONSTRAINT `mission_member_ibfk_4`
FOREIGN KEY (`mission_id`) REFERENCES `mission`
(`id`) ON DELETE CASCADE ON UPDATE CASCADE,

```
  ADD CONSTRAINT `mission_member_ibfk_5`
FOREIGN KEY (`sequence_id`) REFERENCES `mission`
(`sequence_id`) ON DELETE CASCADE ON UPDATE
CASCADE,
  ADD CONSTRAINT `mission_member_ibfk_6`
FOREIGN KEY (`recipient_id`) REFERENCES `user`
(`id`) ON DELETE CASCADE ON UPDATE CASCADE;

--
-- Constraints for table `user`
--
ALTER TABLE `user`
  ADD CONSTRAINT `user_ibfk_1` FOREIGN KEY
(`position_id`) REFERENCES `position` (`id`);
```

```
/*!40101 SET
CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_C
LIENT */;
/*!40101 SET
CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET
_RESULTS */;
/*!40101 SET
COLLATION_CONNECTION=@OLD_COLLATION_CON
NECTION */;
```

XI. Acknowledgement

Thank you to everyone that contributed to the completion of this project: To God, who I would be nothing without; to my family and friends, who have been very considerate and patient with me all this time; to Ma and Pa for their unwavering support and understanding. Thanks to Marge for assisting me with the banner and giving me food among other things all the time.

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As much as this marks an end in an important in my life, I know it also marks the beginning of a more challenging chapter. I thank all of you for making this chapter of my life fun and memorable, and for helping me become more ready for the challenges I shall face in the future.