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

Nearest Hospital Search and Inquiry System

A SPECIAL PROBLEM

In Partial Fulfillment for the Degree in Bachelor Of Science in Computer Science

Submitted by:
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ACCEPTANCE SHEET

The Special Problem entitled "Nearest Hospital Search and Inquiry System" prepared and submitted by Meybel R. Martirez 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

Because of the overlapping problems beset by health institutions, various systems and development programs are made to improve our health care delivery services. Aside from the online medical services rendered for the public, SMS technology greatly helps in disseminating health-related information.

Nearest Hospital Search and Inquiry System is a web-based application that generates clinical data provided by the registered hospitals. It allows both registered and general users to issue their queries on the hospital nearest to their location, doctors' schedule of activities and the list of available facilities and specialties. With its SMS application it could determine the hospital they need provided that the categories are specified. Users may readily send their inquiries anytime and anywhere. Reports from the working system are sent back to the mobile users as well as the correct syntax for errors in message forma

Keywords: hospital, facility, specialty, doctor, schedule, synonyms, SMS

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INTRODUCTION

A. Background of the Study

At present, health institutions like hospitals, barangay health stations or health centers and rural health units, continue to carry the major burden of providing health services to the majority of the Filipino [1]. One of the pressing problems in the clinical environment in the Philippines is the poor health care delivery system primarily caused by limited medical resources and facilities, poor transportation means and poorly equipped hospitals. [2]. In a survey made by Ministry of Health, a ratio of one bed for every 603 Filipinos are assigned out of the 79,703 bed services in the entire Philippines. Government hospitals and health stations are operating with inadequate funds, thereby affecting both the quality and quantity of their health service delivery system [1].

In the Philippine context, operation and management of health institutions are beset with a number of overlapping problems reflective of our country's current difficulties. Internal problems may include high cost of hospital operation, equipment, facilities maintenance supply, medicine and other commodities. Others are lack of good managers, difficulties of medical

recording and accounting, and labor union problems regarding low wages and salaries of health care providers. External problems on the other hand, may include erroneous health beliefs, uncooperative clients and inadequate baseline information of the residents and the government itself [1].

Because of these concerns, various attempts were made by the government and private health institutions to seek improved ways of delivering health care services to all sectors of population. The Metro Manila Health and Sanitation services in 1975 developed a system based on the "concept of three-level health care" [3]. Another development program was made by the Philippine General Hospital regarding the continuous exhortation for the public to prioritize health centers. With all these attempts, patients, of course, would generally want the best services to accommodate their needs [4]. Their usual inquiries are made through telephone calls asking which check-ups and confinements can be scheduled. However, this method may not be always appropriate during emergency cases where patients need immediate assistance and priority. Normally, nobody attends the telephone after office hours.

With the advancements in the field of medical technology, cellular phones are greatly in demand. Emergence of new technologies and new technology standards offer an innovative approach for sharing clinical information. People can readily use Short Messaging Service (SMS) to generate inquiries and reports aside form phone calls and direct medical services search. Moreover, locating systems regarding tracking facilities, equipments and other resources are some decisions still subjective today [5]. With General Packet Radio Service (GPRS), for example, one can determine one's location through the benefit of mobile technology.

B. Statement of the Problem:

Every year, many patients lay unattended due to some factors affecting rapid health care delivery. Such include geographic location, limited resources, poor transportation means and unfamiliarity of the environment. Some patients will choose hospitals whose location, type

of services and doctor's schedules answer their needs. They would want hospitals and clinics that could render their desired services. For instance, many people search for the closest hospitals or those that offer rare services. Others would opt for hospitals that can answer their complaints under specific schedules. A lot would still prefer searching for hospitals and clinics that offer particular specializations not accessible to other health services. Basically, it is difficult to be looking for hospitals without knowing what services they can provide. Patients can hardly choose among the available service providers that could respond to their pressing complaints.

Some people have internet access having the option to query online. Rather than determining information via SMS, they would want to search online because it outputs a wide-range of results.

Usual inquiries made through the use of telephone do not always guarantee immediate response for patients' needs especially during emergency cases. Telephone lines are not made available all the time. Lines could be busy and patients would have difficulty to contact such services for urgent situations. Some hospitals have step by step voice instructions which cannot be understood well. Not everybody has landline numbers also. Moreover, calls are no longer entertained after office hours.

Text messages are sent and received immediately as the need arises, however not all text queries or reports are successfully transmitted at the receiving end. Sending incorrect format is cost inefficient. Customers' needs are left unattended and messages are simply disregarded.

C. Objectives of the Study

This special project aims to create a web-based system that employs SMS technology that would determine the closest hospital accessible for specialty medication which provides the following functions:

1. allow mobile users and online users to issue their queries on the hospital nearest

to their location, doctors' available for a specified specialization, and doctors' schedule of services

2. allow online users to view hospital names and information
3. allow hospitals to
    a. add hospital information
    b. edit hospital information
    c. delete hospital information
4. allow the system administrator to register hospitals, assigns hospital account and password to them and update coordinates
5. provide mobile users with correct syntax in case of errors in message format

D. Significance of the Study

This project can reduce the time looking for health-giving services because the users can readily proceed to the nearest health center that could offer medications to the patient-in-need. This is highly beneficial to patients since they could immediately inquire on necessary hospital information such as the nearby hospital, its specialized doctors and their schedules. With the use of short messaging service, inquiries can be readily sent anytime and anywhere, thus reports and information from the working system are sent back to the users. Text messaging may call for charges corresponding to each message, but still it is cheaper and is of practical use nowadays.

The users will benefit because it may reduce their anxieties as to where the patient may be brought. In any emergency case, they can automatically learn the most possible area to treat their patient even under their given schedules. Moreover, they can readily have a list of specializations to chose from, schedules they prefer and a faster reply from any queries he has made.

Hospitals can promote to the public the list of specialties they offer thru online system. The Department of Health (DOH), as the lead agency in the health sector and the one that primarily house the said system can support promotion of hospital services. The people can readily access the system and search for necessary hospital information. [6, 7].

Another possible significance of this is convergence. Patients would be able to consider even the less popular hospitals aside from the major hospitals that are usually search upon.

With the use of Short Messaging Service (SMS), users are given the convenience of wireless connectivity. This is a very practical alternative for generating inquiries rather than phone calls and direct hospital search. Inquiring via SMS is entirely faster, more efficient and accessible for any users. By providing instant messaging service, patients are delivered to hospitals in time to their immediate needs.

E. Scope and Limitation

1. The system only generates the clinical information based on the data given by the registered hospitals. Range of locality is within Metro Manila.
2. The system administrator will maintain the main server of the system housed by the DOH, for instance. Hospital information must be coordinated with the acting system administrator.
3. General categories of specializations and facilities are based from the lists obtained from every hospital. Separate synonym tables were made for the abbreviations of the specialization and facilities.
4. Similar street names for same city are not allowed. The street names to be identified by the system are the common names of the streets found in the look up table.
5. X and Y coordinates are assigned by the system administrator to streets and hospitals. X as the latitude and Y as the longitude coordinates of the location. The system administrator will have a physical and digitized copy of the map of the hospitals for

mapping purposes. In order to determine the nearest hospital within the area, distance formula is used.

6. The locations to be considered are the major streets, avenues and highways. It will not include minor streets or alleys that are not covered in the map.

7. The cost of the messages would be charged from the mobile users. Payment scheme would be like that of the Globe and Smart service providers. An amount of 2.50 would be charged to the user for every text message he sent.

II. Review of Related Literature

The use of wireless technologies advances our form of medical services. It offers functional advantages for easy access, efficiency, timeliness and emergency care effectiveness. An article discusses the consumers' application of SMS technology, having been an ideal messaging medium. When the information to be communicated is short or it would take too long to have a full conversation or someone is traveling overseas or not available to take a voice call, Network operators, for instance, typically charge the same to send a short message to someone in the same room as they do to someone traveling overseas with their mobile phone. Since short messages are proactively delivered to mobile phones that are typically kept in the user's pocket and can be stored for later reference. SMS is often more convenient than email or Data to communicate amongst distributed and mobile groups of people. [8]

An inquiry system was made by the Academy of Art Colleges. AAC has provided an inquiry page for the benefit of education and experience for the users' specific career goals. They offered classes for personal enrichment and programs through the information inquiry scheme that allows any user to ask using the system.[9]

The Wireless Protocol technology implemented in a newer mobile phones has built-in facilities for handling much of the information processing as part of the clinical work. Using an open source software, two investigators named Schacht Hansen M and Dorup J aimed to test a practical approach by porting a relational database of the Pharmaceutical catalogue to the Wireless Application Protocol.[9]

More than 50 Billion SMS (Short Messaging Service) text messages were sent over the world's GSM (TM) networks in the first three months of 2001. The latest figures confirm sustained global consumer interest in text communications with networks on track exceed the forecast of 200 billion global messages during 2001[10,11].

A news article excerpt states that due to the low cost structure of SMS services in the Philippines, the technology started its prodigious growth as early as the late 1990's. [12]

During the parsing stage, illegal characters might be generated enabling error message parameters. Syntax checking structures need be tested [13]. To redefine parsing, it must do the following: explain the relation between syntax and IMPS expressions; explain the default syntax, which we refer to as the ``string syntax,'' and briefly to explain how you can extend or modify this syntax; and explain how you can redefine the syntax altogether. [14]

Goldberg and his colleagues studied on the development of UMLS based semantic parser and present a preliminary evaluation of the parser in recognition of disease related clinical problems. After getting samples during their experimentation, they concluded that parser significantly enhance over subsequent iterations to symbolize clinical data. [15]

EarthTRACK GPS Vehicle Tracking System was made to track the vehicle's exact location using "satellite (GPS) technology" and Cellular communications. This uses a Marcus "realtime" tracking system with Nation wide coverage. With this cellular based tracker, the user can view the vehicle's location using any browser equipped PC connected to the internet An ET2010 system for wide area satellite-based tracking and communication is a fast "realtime" locator with the same coverage footprint as the M2000 has same reporting features. It consists of an external dual GPS-satellite antenna appropriate for all weather conditions. Another system is the FMS2000 that automatically downloads through a 900 MHz radio connected to the computer. This system quickly determines the available vehicles in your lot and which are out [16].

RISD Communications Department in Texas created a school locator system to find schools associated with ones home address. The user is simply required to enter House number and Street name to explore the system. However, this search tool does not guarantee accurate data for all addresses for all times. Not all schools can be located also [17].

ZipFing Locator is a system that designed to be a store finder that allows customers to perform a proximity search returning all store locations in their vicinity. Bridger Systems' ZIPFind Locator allows us to offer our clients a fast, accurate, and versatile tool through which their clients can find them. The Locator allows us to do this without having to invest hundreds of hours into data collection, and search algorithm development. In addition, we never have to worry about updating our data because Bridger Systems can provide us with the updates both quickly and easily [18].

GPRS or General Packet Radio Service technology under Globe networks was built with network infrastractures to enhance GSM mobile communications system supporting data

packets. GPRS enables the continuous flow of Internet data packets over the mobile communication system for such applications as Web browsing and file transfer [19].

The Metro Manila Health and Sanitation services in 1975 developed a system based on the "concept of three-level health care". The effort aimed to strengthen the health centers providing first contact of health care while the hospitals will provide the secondary and tertiary levels of health care [3]. Another development program was made by the Philippine General Hospital regarding the continuous exhortation for the public to prioritize health centers [4].

III. THEORETICAL FRAMEWORK

A. Information System

An information system can be automated or manual, comprises people, machines, and/or methods organized to collect, process, transmit, and disseminate data representing user information. . Moreover, any telecommunications and/or computer related equipment or interconnected system or subsystems of equipment that is used in the acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of voice and/or data, and includes software, firmware, and hardware is part of the information scheme. [12].

Information systems are the software and hardware systems that support data-intensive applications on design and implementation of languages, data models and algorithms. [13] Basically, it tackles data-related issues from the fields of data mining, information retrieval, natural language processing, internet data management, visual and audio information systems,

scientific computing, and organizational behavior. Thus, the practical data of information systems bring significantly new ground to the public.

B. Database Systems

Database systems refer to both database application and Database Management System (DBMS) together. Database applications are developed for managing specifications. Such examples include patient records and telephone companies.

DBMS provides the services need by the database application to give users easy access the database. With DBMS, end users are capable of running applications without having to know all the complicated process. It protects data from damages when one or more users try to access the file at the same time.

Under DBMS are list of references to information about Database technologies and key database management systems (DBMS) [12].

C. Database Management System

A DBMS provides the services needed by database applications to give users easy access to the information in the database. Database applications are computer programs that store, update, and retrieve data from a database**.** Hundreds of thousands of database applications have been developed for managing specific data, such as hospital patient records, telephone company customer records, train seat reservations, or retail store inventory. (The term database system is often used to refer to a database application and DBMS together.) A DBMS eliminates the need to program and maintain data management functions as part of the application software. End users can run the applications without having to know all the complicated processes required to store, update, and retrieve data, because the applications hide such details. A DBMS also protects data from damage when many users try to retrieve and update the same data at the same time, or when the computer shuts down [19].

D. Short Messaging Service

The Short Message Service (SMS) is the ability to send and receive text messages to and from mobile telephones. The text can comprise of words or numbers or an alphanumeric combination. [8]

SMS is very popular with users of GSM phones, but also, increasingly, on CDMA and TDMA phones. It started out its popularity in Europe and Asia but its concept were accepted in America and other countries. [11]. In fact, The SMS market in the European Union reached one billion short messages per month in April 1999. SMS was created as part of the GSM Phase 1 standard. The first short message is believed to have been sent in December 1992 from a Personal Computer (PC) to a mobile phone on the Vodafone GSM network in the UK. Each short message is up to 160 characters is length when Latin alphabets are used, and 70 characters in length when non-Latin alphabets such as Arabic and Chinese are used. [8]

E. Distance Formula and Euclidean Distance

The distance, d, between two Cartesian coordinates equals the square root of the squared horizontal difference (between the two points) plus the squared vertical distance -- $d = \sqrt{[\ (\Delta x)^2 + (\Delta y)^2\ ]}$ For three points, $d = \sqrt{[\ (\Delta x)^2 + (\Delta y)^2 + (\Delta z)^2]}$. Note: $\Delta x = x_2 - x_1$. This distance formula can be expanded into the arc-length formula.

Euclidean distance is the so-called 2-norm distance. It is a generalization of the Pythagorean Theorem to more than two coordinates, that of which to be obtained if the distance between two points were measured with a ruler: the "intuitive" idea of distance.

The **Euclidean distance** of two points $x = (x_1,...,x_n)$ and $y = (y_1,...,y_n)$ in Euclidean n-space is computed as follows:

$$\sqrt{(x_1 - y_1)^2 + (x_2 - y_2)^2 + \cdots + (x_n - y_n)^2} = \sqrt{\sum_{i=1}^{n} (x_i - y_i)^2}$$

By using this formula as distance, Euclidean space becomes a metric space. [20].
This formula above will be used in order to solve for the coordinates of the specified location and the distance from the avilable hospitals.

F. Geographic Information Systems

Geographic Information System is a unique system designed for a particular application that stores, enhances, combines, and analyzes layers of geographic data to produce interpretable information. A GIS may include computer images, hardcopy maps, statistical data, and any other data needed for a study, as well as computer software and human knowledge. GIS are used for solving complex geographic planning and management problems.[21]

GIS combines layers of information about a place to give you a better understanding of that place. What layers of information you combine depends on your purpose—finding the best location for a new store, analyzing environmental damage, viewing similar crimes in a city to detect a pattern, and so on.[22]

G. Definition of Terms

Gnokii – Gnokii is an open source project that aims to provide tools and user space driver for use with mobile phones under Linux, Unix and Win32. It offers application on data calls, updating address book, changing calendar entries, sending and receiving SMS messages and loading ring tones depending on the phones used. However, there is limited support of Nokia. Models like 6110, 6510, 5110, 8310, etc are among those supported by gnokii software. [23]

Specialties / Medical Specialties – the list of medical services of varying categories.

Parsing - means breaking down a string into its component characters and substrings and analyzing them.[18]

Inquiry System - a data warehouse that holds information[19]

GPS (Global Positioning System) - The gps system consists of three pieces. There are the satellites that transmit the position information, there are the ground stations that are used to control the satellites and update the information, and finally there is the receiver that you purchased. It is the receiver that collects data from the satellites and computes its location anywhere in the world based on information it gets from the satellites.

General Packet Radio Service (GPRS) – A new non-voice value added service that allows information to be sent and received across a mobile telephone network. It supplements today's Circuit Switched Data and Short Message Service. GPRS is NOT related to GPS (the Global Positioning System), a similar acronym that is often used in mobile contexts. It has maximum speeds of up to 171.2 kilobits per second (kbps) using all eight timeslots at the same time. By allowing information to be transmitted more quickly, immediately and efficiently across the mobile network, GPRS may well be a relatively less costly mobile data service compared to SMS and Circuit Switched Data. GPRS also facilitates instant connections whereby information can be sent or received immediately as the need arises, subject to radio coverage. No dial-up modem connection is necessary. This is why GPRS users are sometimes referred to be as being "always connected".[24]

SVG - SVG is a language for describing two-dimensional graphics and graphical applications in XML.[25] Using SVG, graphics can be coded directly into an XML document. SVG is a W3C recommendation.[26] Originally, SVG was created by the World Wide Web Consortium (W3C), the non-profit, industry-wide, open-standards consortium that created HTML and XML, among other important standards and vocabularies. Over twenty organizations, including Sun Microsystems, Adobe, Apple, IBM, and Kodak, have been involved in defining SVG. It is currently (as of July 21, 2000) in Working Draft status, but it is expected to move soon to Candidate

Recommendation and then to Proposed Recommendation before becoming a Final Recommendation.

IV. DESIGN AND IMPLEMENTATION

A. Entity Relationship Diagram

The extended entity relationship diagram seen in Figure 1 shows that the system will be composed of entities and association between (or among) entity types. Each entity in the ERD is equivalent to a relational table. The primary keys are underlined and are linked to other database tables. Here under are entities for Users, Hospital, Specialty, Facility, Doctor, StreetLocation, Schedule and Synonyms for Specialty and Facility. Each of them have their own attributes distinctive to the relationship between (or among) entity instances.

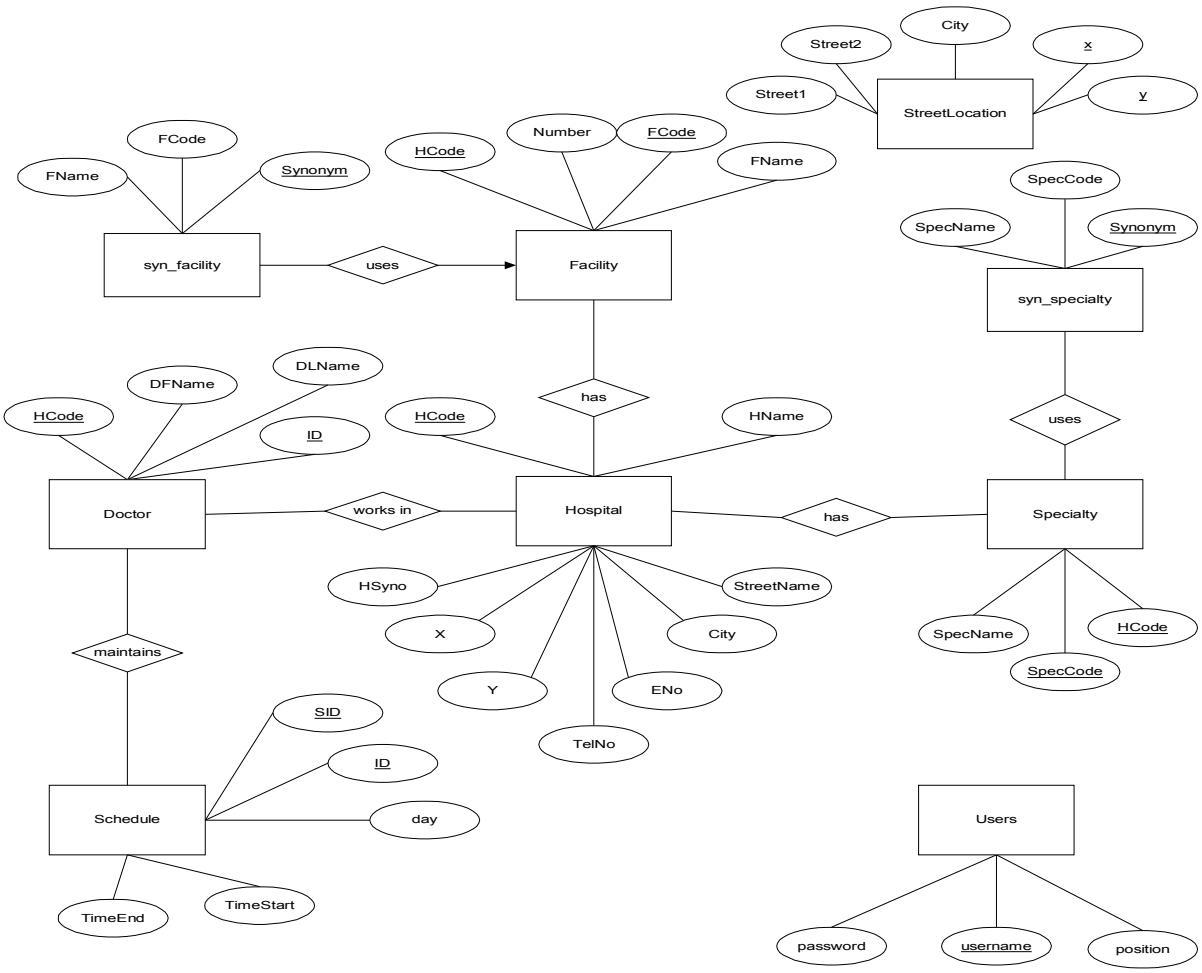


Figure 1. Entity Relationship Diagram, Nearest Hospital Search and Inquiry System

B. Database Table

The database design followed the relational database model. The database will consist of tables containing hospital information such as hospital, doctor, facility, specialty and its synonyms plus users and street location which are also included in the system. Here under are the list of tables and their respective data fields. Primary keys are underlined.

HOSPITAL- contains general information of the hospital using the system

Datafield	**Data Type**	**Description**
HCode	varchar(10)	Hospital Code

HName	varchar(50)	Complete name of the hospital
HSyno	varchar(30)	Synonym name of hospital
ENo	varchar(10)	Establishment or building number
StreetName	varchar(20)	Street name where the hospital is located
City	varchar(20)	City where the hospital is located
TelNo	Varchar(20)	Contact number of the hospital
X	int(5)	X-coordinate of the location
Y	int(5)	Y-coordinate of the location

DOCTOR – contains basic information about the doctor

Datafield	**Data Type**	**Description**
ID	varchar(10)	Doctor's ID (employee ID)
HCode	varchar(10)	Hospital code
DLName	varchar(20)	Last name of doctor
DFName	varchar(20)	First Name of the doctor

SCHEDULE – contains the schedule of the doctors

Datafield	**Data Type**	**Description**
SID	int(10)	Shedule ID
ID	varchar(10)	Doctor's ID
Day	enum('M','T','W','Th','F','S','Sun')	Day Schedule of doctor
Time Start	time	Start time of doctor's schedule
Time End	time	End time of doctor's schedule

SPECIALTY – contains the list of medical specialties for every hospital

Datafield	**Data Type**	**Description**
SpecCode	int(10)	Specialty code
HCode	varchar(10)	Hospital code
SpecName	varchar(20)	Complete name of the specialty

STREETLOCATION – contains the specific location of the mobile/online user

Datafield	**Data Type**	**Description**
Street1	varchar(20)	1st Street name of user's location
Street2	varchar(20)	2nd Street name of user's location (for intersection)
City	varchar(15)	City where the user is located
X	float	X-coordinate of the location
Y	float	Y-coordinate of the location

FACILITY – contains the list of facilities for every hospital

Datafield	Data Type	Description
FCode	Int(10)	Facility code
Hcode	varchar(10)	Hospital code
FName	varchar(20)	Name of facility
Number	Int(5)	Number of available facilities

SYN_FACILITY – synonyms of facilities

Datafield	Data Type	Description
FCode	int(10)	Facility code
FName	varchar(20)	Name of facility
Synonym	varchar(20)	Synonym of facility

SYN_SPECIALTY – synonyms of specialties

Datafield	Data Type	Description
SpecCode	varchar(15)	Specialty code
SpecName	varchar(20)	Name of specialty
Synonym	varchar(20)	Synonym of specialty

USERS - the users of the system

Datafield	Data Type	Description
username	varchar(15)	Username to login
password	varchar(10)	Password of the registered user
position	varchar(20)	Position of the user

C. Context Diagram

The context diagram is shown in Figure 2. The main entries are the system administrator,

hospital, online users and the general mobile users. The system administrator is the one who generally maintains the system, assigns coordinates for given locations based on the look-up table and map and then registers hospitals. The hospital can only log-in once the system administrator has given him the account and password. With its privileges in the system, the hospital can add, edit and delete hospital information, as well as change their passwords. Online users can view general information about the registered hospitals. They can also query necessary information using the search module of the system.

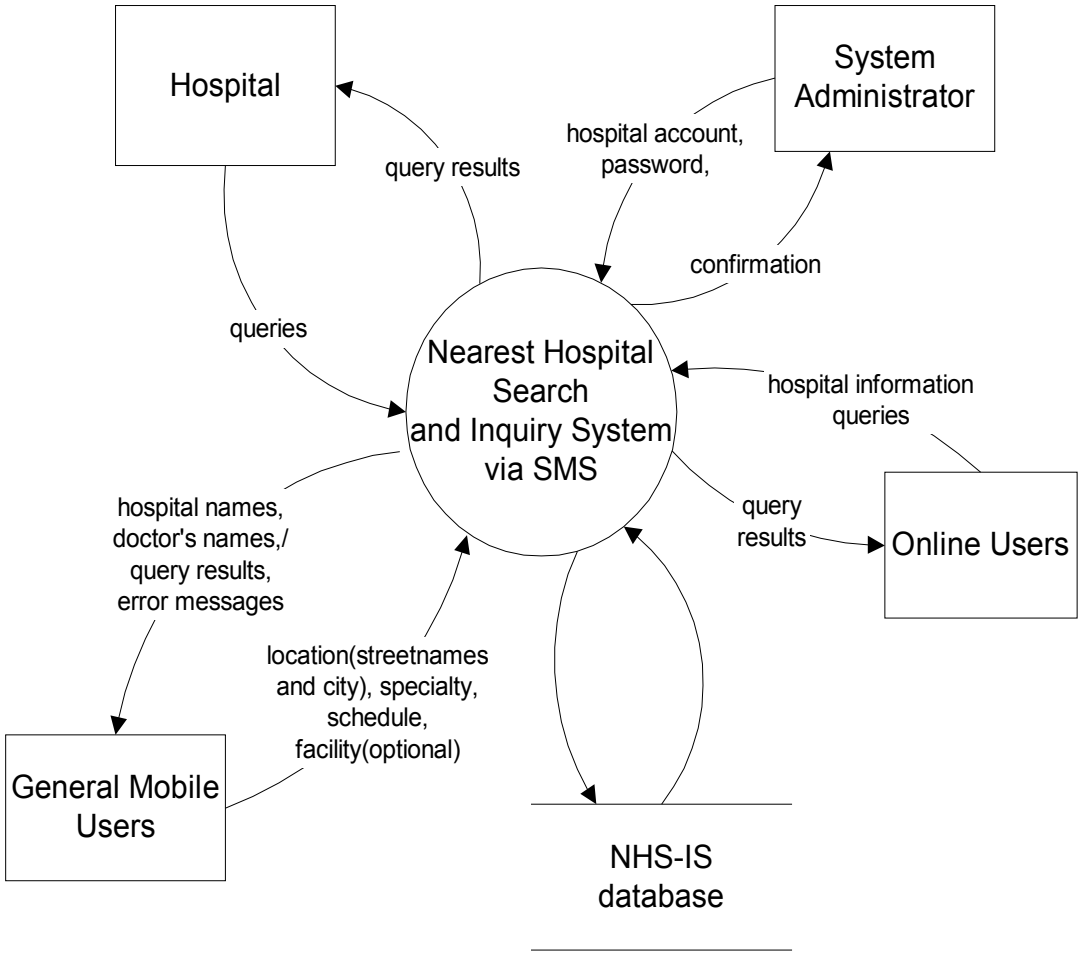


Figure 2. Context Diagram, Nearest Hospital Search and Inquiry System

D. Data Flow Diagram

The top level data flow diagram of the system is shown in Figure 3. It shows the main processes of the system. These are (1) Login, (2) View and (3) Search hospital. The sub-explosion of the different processes are seen in Figures 4-8.

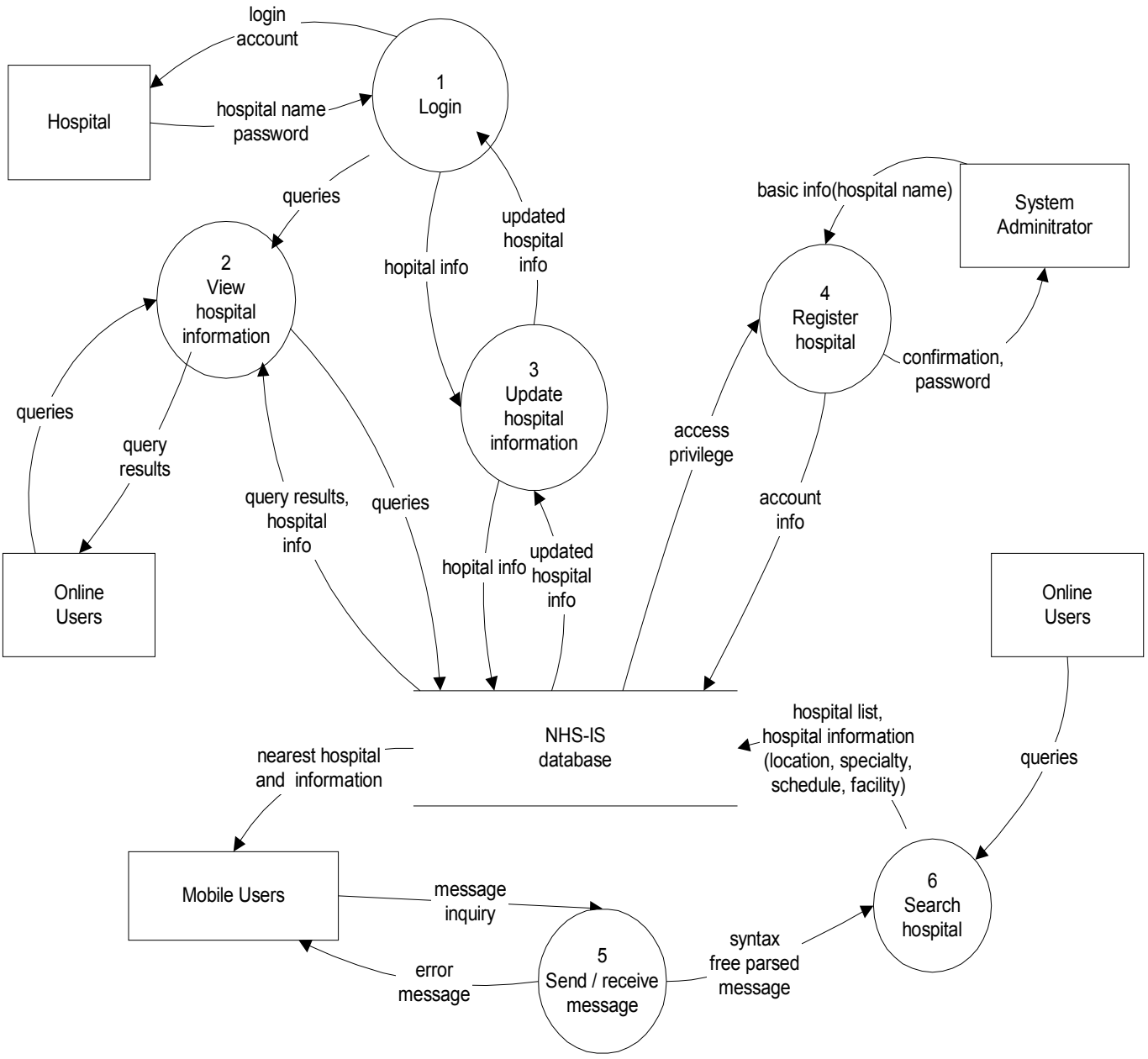


Figure 3. Top Level Data Flow Diagram, Nearest Hospital Search and Inquiry System

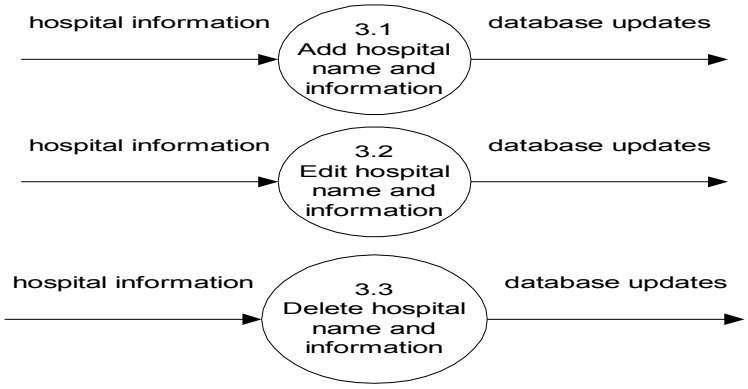


Figure 4. Sub-explosion of Process 3 (Update hospital information),

Nearest Hospital Search and Inquiry System

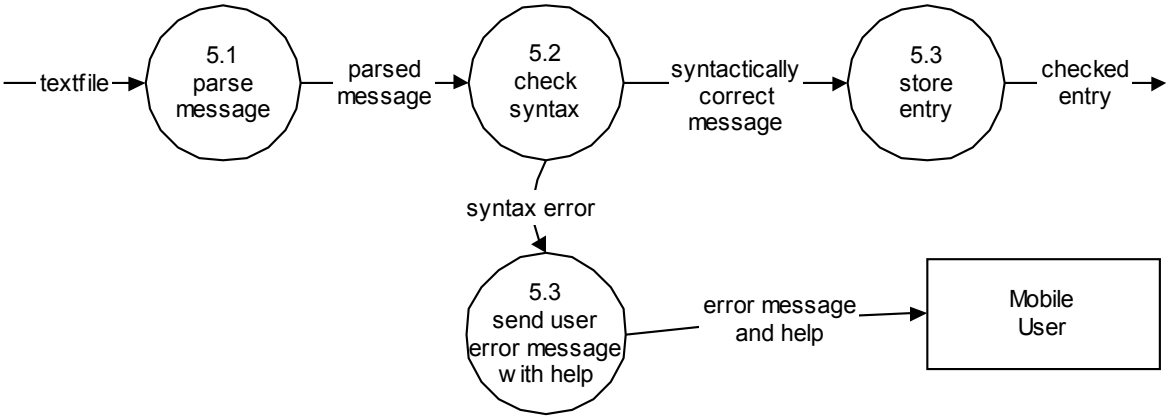


Figure 5. Sub-explosion of Process 5 (Send/ receive message),

Nearest Hospital Search and Inquiry System

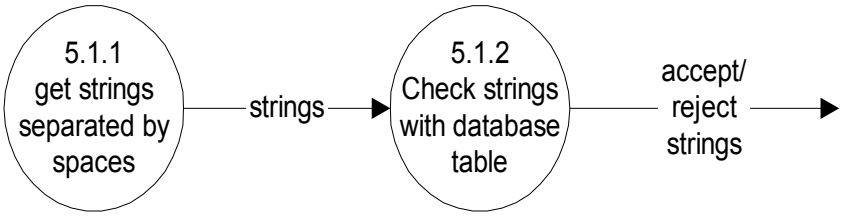


Figure 6. Sub-explosion of Process 5.1 (Parse Message)

Nearest Hospital Search and Inquiry System

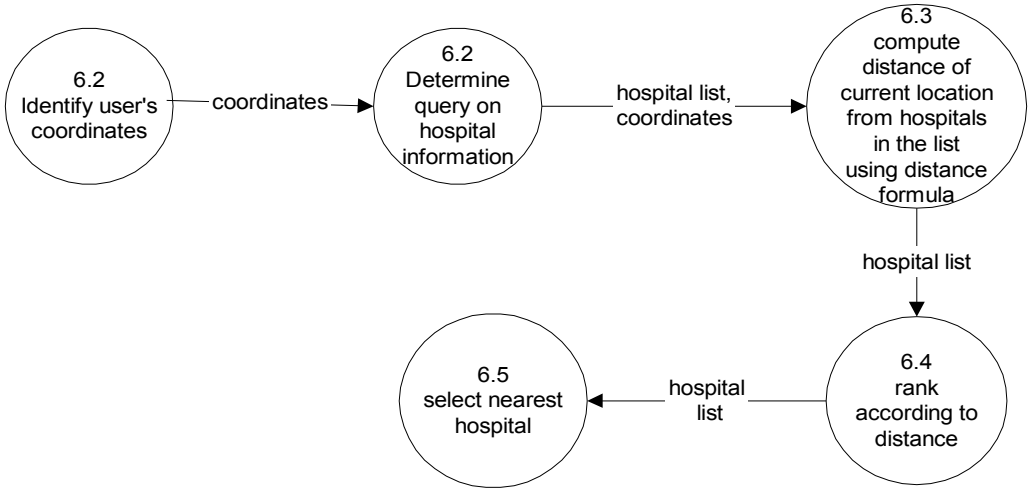


Figure 7: Sub-explosion of Process 6 (Search Hospital),

Nearest Hospital Search and Inquiry System

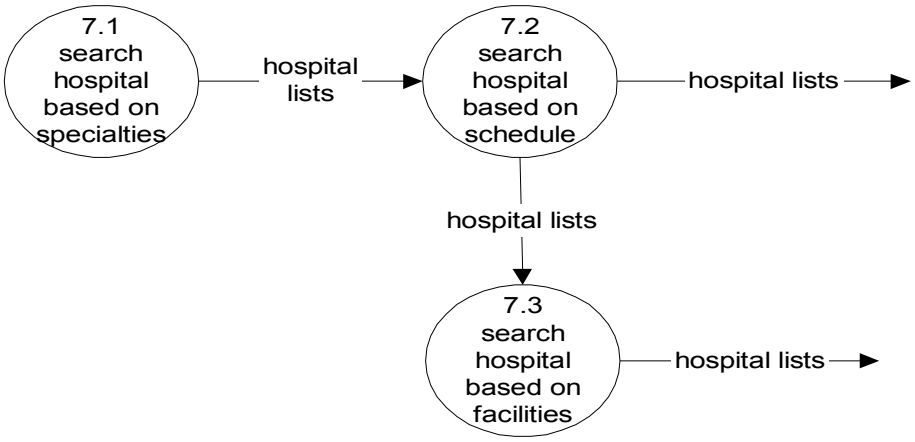


Figure 8: Sub-explosion of Process 7 (Determine query on hospital information)

Nearest Hospital Search and Inquiry System

Users can query through online system or via SMS. An online user may be able search for hospital information upon accessing the URL depending on the categories he specified. Mobile users, on the other hand, must follow the format of the query.

E. Querying via SMS

Users may be able to query information via SMS by specifying the following: identifier HOSP, Streets 1 and 2, specialty, doctor's schedule and facility being looked for.

The format of the query is:

{HOSP} (asterisk) {Street1} (asterisk) {Street2} (asterisk) {City} (asterisk) {SpecName}(asterisk) {Day} (asterisk) {Time} (asterisk) {AM/PM} (asterisk) [FName]

Using "asterisk" as the delimiter, example query in a text file is:

HOSP*Taft*Faura*Manila*Pedia*T*05:30*am*x-ray

In the case of parsing, the strings must be separated by asterisk. If the parser detected that the data is in wrong format, an error message will be sent to the mobile user along with the correct syntax. This enables the mobile user to edit his text message according to the proper syntax notation guide.

For example,

1. Invalid keyword. Correct inquiry format: Ex. HOSP*Taft Avenue*Padre Faura*Manila*Pedia*T*05:30*pm*x-ray
2. Invalid time format. Correct inquiry format: Ex. HOSP*Taft Avenue*Padre Faura*Manila*Pedia*T*05:30*pm*x-ray

A parser needs a grammar in order to process the query. Here under is a sample grammar for the for the txt format:

<Query> :: = 'HOSP' <Field-List>

<Field-List> :: = <Street1> <asterisk> <cor> <asterisk> <Street2> <asterisk> <City><asterisk> <SpecName> <asterisk> <Day> <asterisk> <Time> <asterisk> [<FName>]

<Street1> :: = <term> {<space> <term>}

<Street2> :: = <term> {<space> <term>}

<City> :: = <term> {<space> <term>}

<SpecName> :: = <name>|<synonym>

<Day> :: = ‘M’|‘T’|‘W’|‘Th’|‘F’|‘S’|‘Sun’

<Time> :: = <hour> ‘:’ <minute> (“AM”|”PM”)

<hour> :: = ((08|09|10|11)”AM”) | ((12|01|02|03|04|05|06|07|08)”PM”)

<minute> :: = 00|01|02|…|59

<FName> :: = <fterm> {<space> <fterm>}

<term> :: = A|B|C|…|Z|a|b|c|…|z { A|B|C|…|Z|a|b|c|…|z}

<fterm> :: = A|B|C|…|Z|a|b|c|…|z|’-‘|’ ‘

HOSP is the required keyword. <Field-List> is comprised of the set of fields needed in the syntax. <FName> here stands for Facility name which is optional in the syntax. The symbol “[ ]” denotes optional occurrence for facility. Schedules denotes the day and time (am/pm) we wish the doctor to be available. It is written in a <hh:mm> format. *Name* and *synonym* are terminals.

From the example above, the mobile user / patient is searching for the nearest hospital along Taft corner Faura Manila that offers Pediatrics. Upon browsing the look-up table, Pedia is defined to be a synonym for Pediatrics. The specialty needed is first checked, then the system filters out the hospital lists depending on the desired schedule and facility of the user. The hospital lists are outputted with the address and the phone number.

F. Querying Online

Online querying requires an Internet connection and a browser. The queries made through SMS will also be implemented in the online query by clicking on the search or view hospital list and information links. Basically, the user may be able to use the search module in

order to search either by nearest location or by category. Search by Location aims to compute and get the closest hospital from a certain location in the map. Search by Category, on the other hand, aims to provide a hospital out of the categories made, either its availability of a particular facility, specialty, or doctor's schedule.

Finding the most suitable hospital

In finding the most suitable hospital for a particular patient, the following factors are used:

a. medical specialty needed
b. hospital distance
c. desired schedule of the patient
d. medical facility needed

Once the correct syntax has been sent, the system searches the name of hospitals with the needed specifications in the database. The result of this search is then ranked according how they are near to the given location specified by the mobile user. The result is sent back to the user via SMS. In cases of error in message format, correct syntax are sent back to them.

Coordinates of the hospitals and street locations generated by the system administration from the map are used to determine the distances of locations from the hospitals. The distances are computed using the distance formula where the assigned coordinates of each point will be used as the parameters. With the image map of the system administrator, we could automatically assign the coordinates of each location.

The latitudinal and longitudinal coordinates of desired location is being compared with the generated coordinates of the nearby hospitals in the area, and using directed distance algorithm, the nearest hospital can be searched upon.

G. Technical Architecture

The system would follow the Client/Server (C/S) computer architecture. For a client to send requests, he must have a computer with Internet connection and a Javascript capable browser. The server machine manages the request and gives back the request results to the client coming form the database. (See Figure 9)

A PC- to – cell phone connection will be needed by the system to process the sending of messages and sending back its reply. A data cable will be used to connect the Mobile phone and the Comm2 port of the computer.

Here in Figure 6 is a technical architecture of the said system.

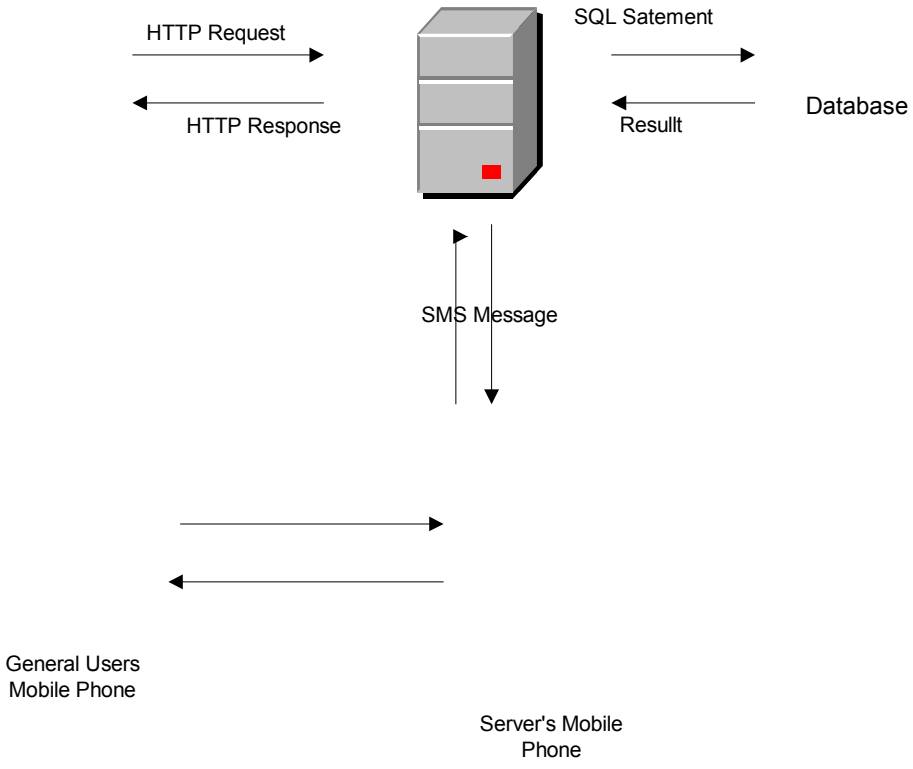


Figure 9. Technical Architecture of Nearest Hospital Search and Inquiry System

Hospitals are to be registered in the system before they can connect to the server. Registration is done by the system administrator by adding the hospital in the system. A hospital must have a personal notification and confirmation with the system administrator in case he wants to be registered. This can be done through email. This logging in procedure is done by the hospital under the permission coming from the system administrator. Hospitals are given unique accounts and password for log-in purposes.

Gnokii Version 0.3.3 supports selected Nokia models compatible with the system. Either a Nokia 6210, 7110 or 5110 cell phone will be used matched with the data cable.

This server machine should be Pentium-class clone with the following specifications:

A. at least 500 Mhz
B. at least 128 Mb RAM
C. at least 500 Mb disk space

The system will run under the following operating systems:

A. Windows ME
C. Windows 98 SE
D. Windows 2000
E. Windows XP

The server will be using the following applications to run the system.

F. PHP (At least 4.1.1)
G. MySQL (At least 3.8.48
H. Apache Server (At least 1.3.23)
I. Gnokii (.0.3.3)

V. RESULTS

The main page of the Nearest Hospital Search and Inquiry System is seen in Figure 10. The functionalities provided by the online system are accessible depending on the category of users. Users can be the system administrator, hospital or hospital clerk and the general users. For hospital clerks, an interface for log-in is presented, requiring them to input the Hospital code and the password. Hospital codes are auto-generated by the system. The Hospitals would ask permission from the System Administrator via Personal communication or via electronic mail. The system administrator will be the one to initially set the password of every hospital account which the hospital may change once he is successfully registered. The hospital shall key in the proper information (Username and password) in order to get into the system and access the database.

Figure 10: Main Interface, Nearest Hospital Search and Inquiry System

Once registered by the system administrator, the hospital will then be able to login and updates his own information and profile as shown in Figure 11.


Hospital Mode - Microsoft Internet Explorer
File Edit View Favorites Tools Help
NEAREST HOSPITAL SEARCH AND INQUIRY SYSTEM
Manila Doctors Hospital
Search | About NHSIS | Log out
Links
Hospital Profile
List of Facilities
List of Specialties
List of Doctor
List of Schedules
Hospital Profile
Hospital Code: 2
Hospital Name: Manila Doctors Hospital
Hospital Synonym: Madocs
Establishment No.: 19B
Street Name: U.N Ave.
City: Manila
Telephone No.: 524-3010
Edit Hospital Info
Change Hospital Password
copyright2004. UPM. contact us.
Start
APACHE
Hospital ...
nhsis runnin...
EditPlus - [...
sp revised-fi...
sp1 - Micros...
sp-final - Mi...
9:26 PM

Figure 11: Hospital Profile page, Nearest Hospital Search and Inquiry System

With the sample screen seen in Figure 11, the left side shows the links in order for the hospital to access necessary information such as the hospital profile itself, lists of hospitals, specialties, doctors and their schedules, and facilities if desired. For example, for available specialties and facilities, hospital can do any of its functions:

1. add and update hospital information
    a. add and update specialty or facility
        - add specialty or facility
        - edit specialty or facility
        - delete specialty or facility
    b. add and update schedules of doctors
    c. add and update synonyms of facilities and specialties

Interfaces for add, edit and delete facilities are almost patterned from add, edit and delete of

specialties. The same thing goes with their interfaces for corresponding synonyms. Here under are sample screenshots for the specialty module. For example, in adding a specialty, hospital may add a new specialty by filling up the textbox or he may add a specialty registered from existing hospitals.

The hospital may specify their offered specialties or choose among the specializations already listed. Upon clicking the Add Specialty link, an interface with check boxes will be shown in order for the hospital to simply check among the registered specialties. (see Figure 12) Additionally, adding specialty list and edit specialty can also be seen on Figures 13-14.

Figure 12: Add a New Specialty page, Nearest Hospital Search and Inquiry System

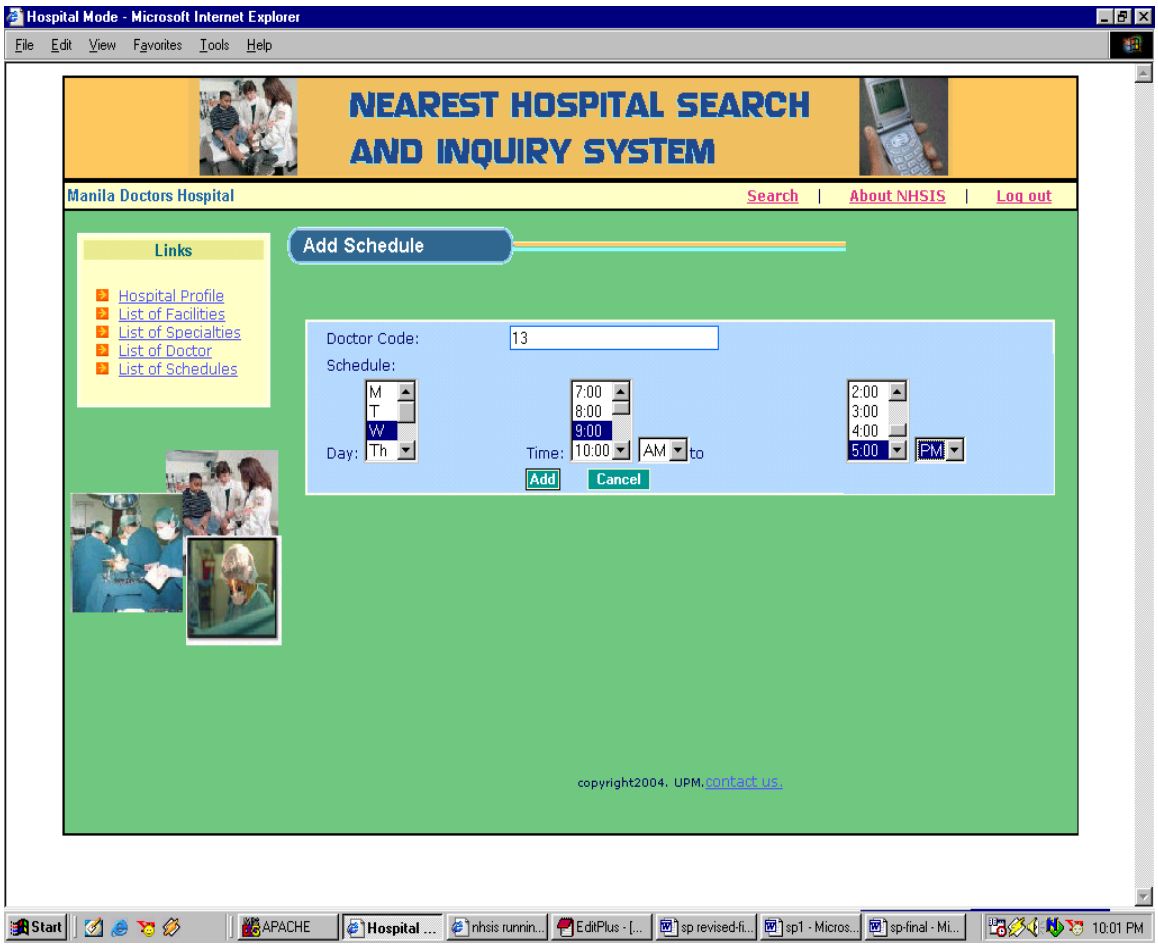


Figure 22: Add Schedule, Nearest Hospital Search and Inquiry System

The interface for list of doctors' schedules have links in order to edit and delete given schedules. It is expected that a certain doctor may have more schedules in various days of the week. Clicking the edit schedule link will direct to an interface where the list of current day, time start and time end of a particular doctor's schedule are highlighted or selected. (see Figure 23)

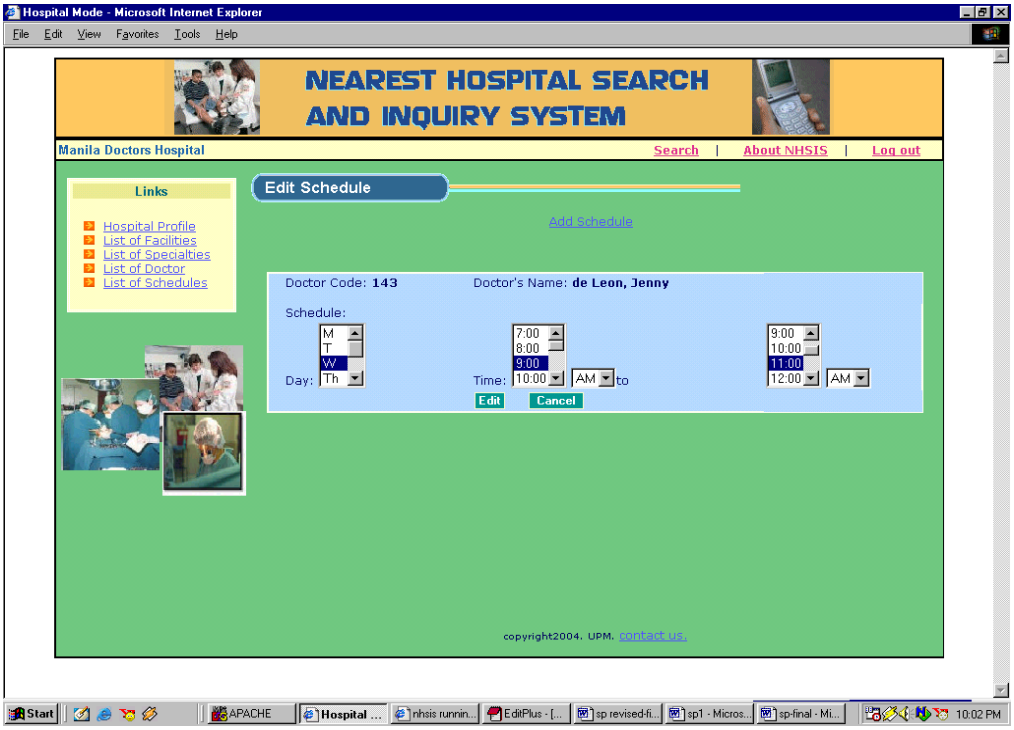


Figure 23: Edit Schedule, Nearest Hospital Search and Inquiry System

Moreover, the hospital is also capable to alter his password at the hospital profile page.

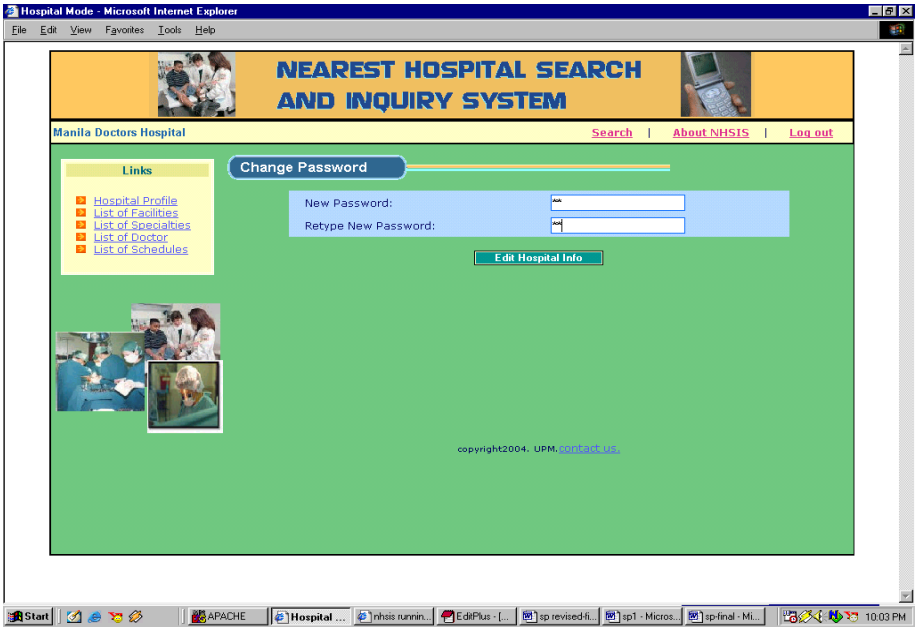


Figure 24: Change Password for Hospital, Nearest Hospital Search and Inquiry System

Once the system administrator has logged in, he is responsible to do the following functions: add, edit, delete and view hospitals. He registers a certain hospital using the image map of Manila, as sample of the whole Metro Manila vicinity. Once part of the map is clicked, coordinates of that particular location is generated. The dialog box must be filled up correctly along with the required fields in order to add a new hospital. (see Figure 25)

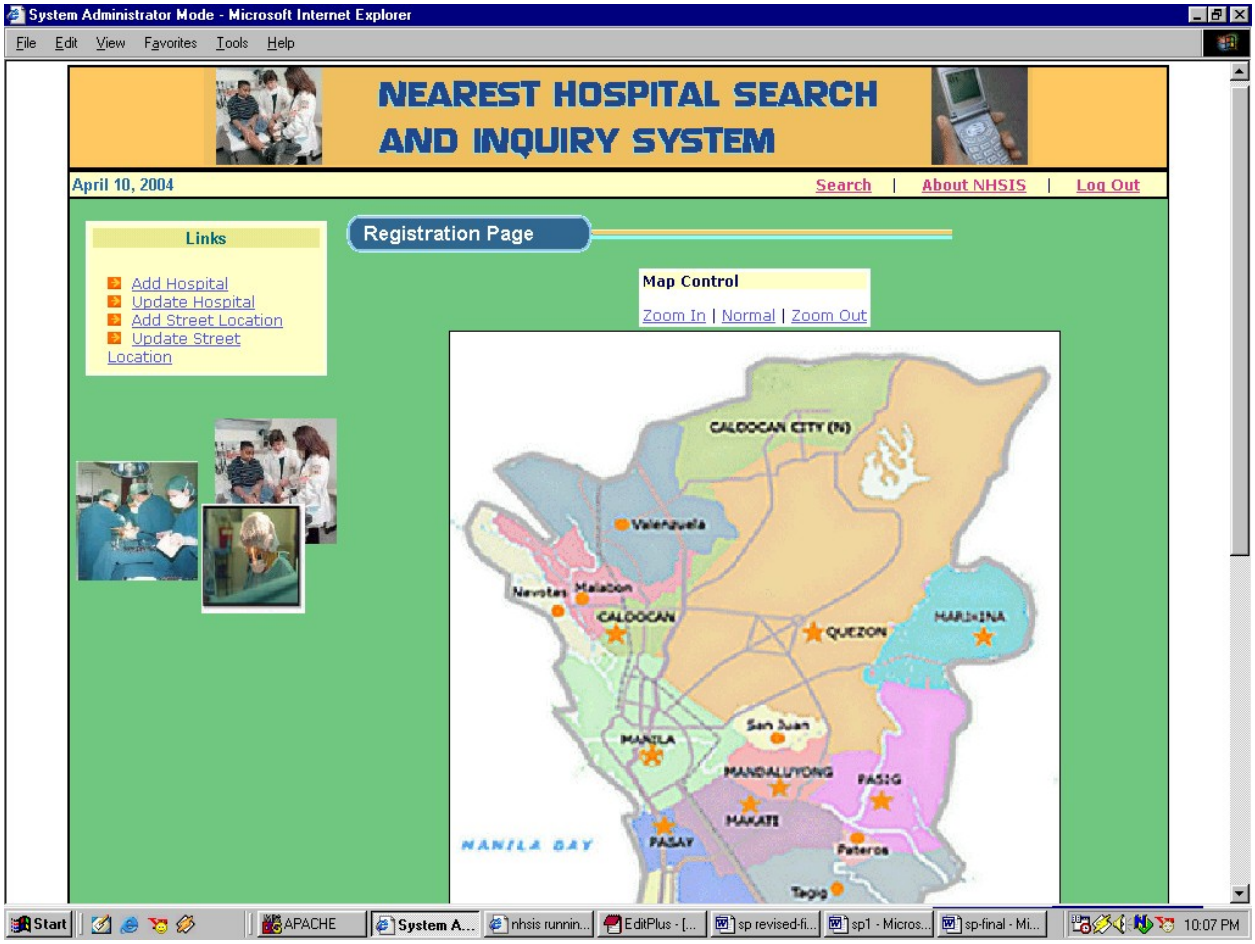


Figure 25: Register new Hospital, Nearest Hospital Search and Inquiry System (System Admin)

More than the use of the image map to add hospital, it is also used to edit hospitals by updating its coordinates as shown in Figure 26. The current location of the hospital is loaded using the red marker. Current coordinates if the given hospital is shown in a textbox. In order to

update the coordinates, the hospital may click from the map. To delete a particular hospital is easier because it simply asks for Hospital code in a textbox and automatically deletes the account and both under the hospital and users table.

Figure 26: Edit Hospital, Nearest Hospital Search and Inquiry System (System Admin)

The system administrator also makes use of the image map in order to add and update street locations. Upon clicking the link to add street location, 2 list boxes are shown corresponding to the already registered streets in the database. If the desired Streets are not found at the list boxes, clicking on the "Other" will output a textbox where we enter the street. Upon submitting, it may fall under 3 cases. *Case 1:* If Street 1 and Street 2 from the list boxes are already found in the table, it will prompt an error message that coordinates are already

generated for the pair of streets. *Case 2:* If Street 1 and Street 2 from the list boxes are not found in the table, we add the new street location by clicking on the map to generate its coordinates. *Case 3:* If Street 1 or Street 2 are not in the list box, ans street corner is not yet in the table, we add the names of the streets (either Street 1 or Street 2 or possibly both) at the textbox, and click on the map.

Other interfaces included under the System Administrator module are the following: Delete Hospital, Add Street Location, Edit Street Location and Delete Street Location. (see Figures 27-28)

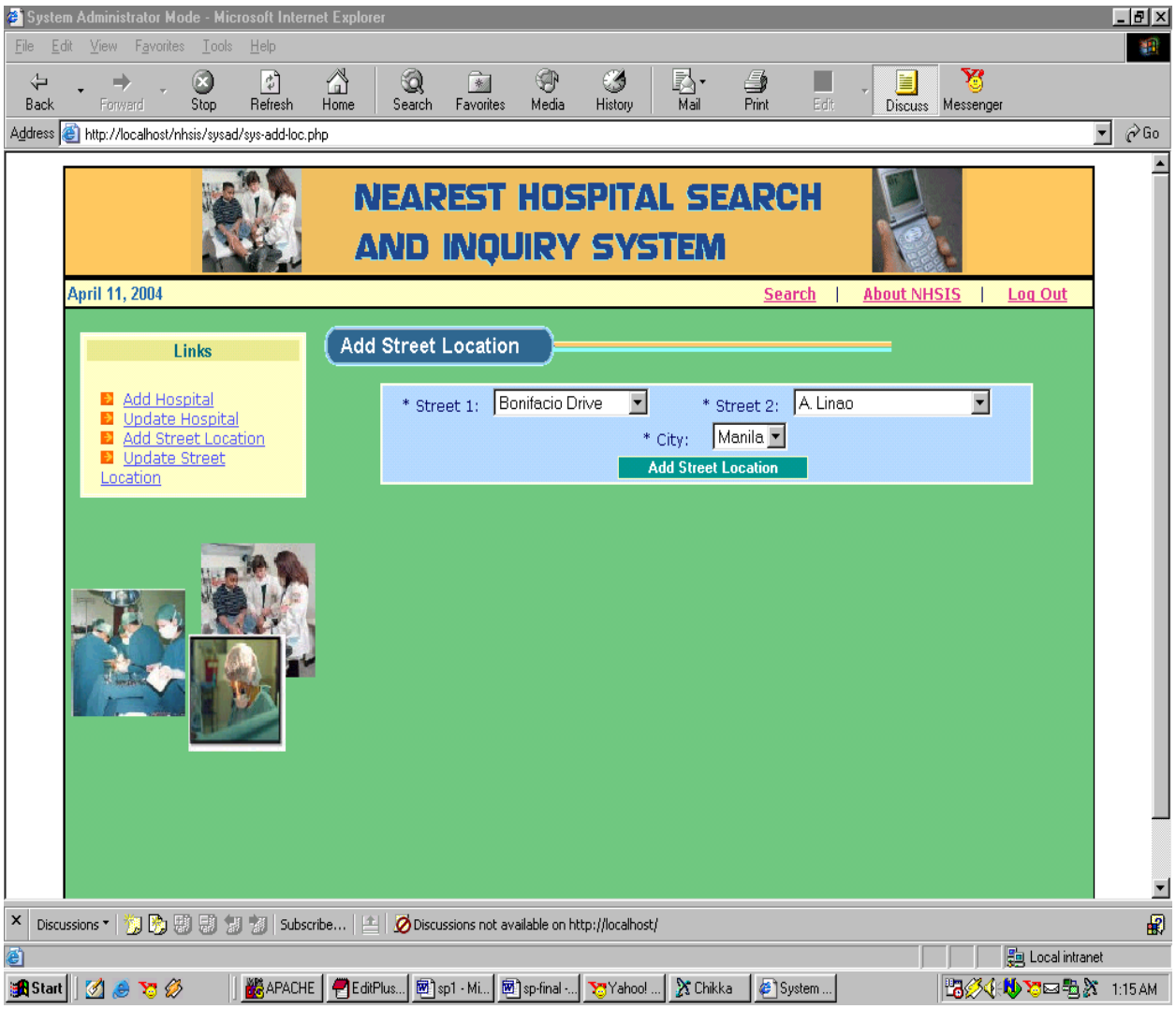


Figure 27: Add Street Location, Nearest Hospital Search and Inquiry System

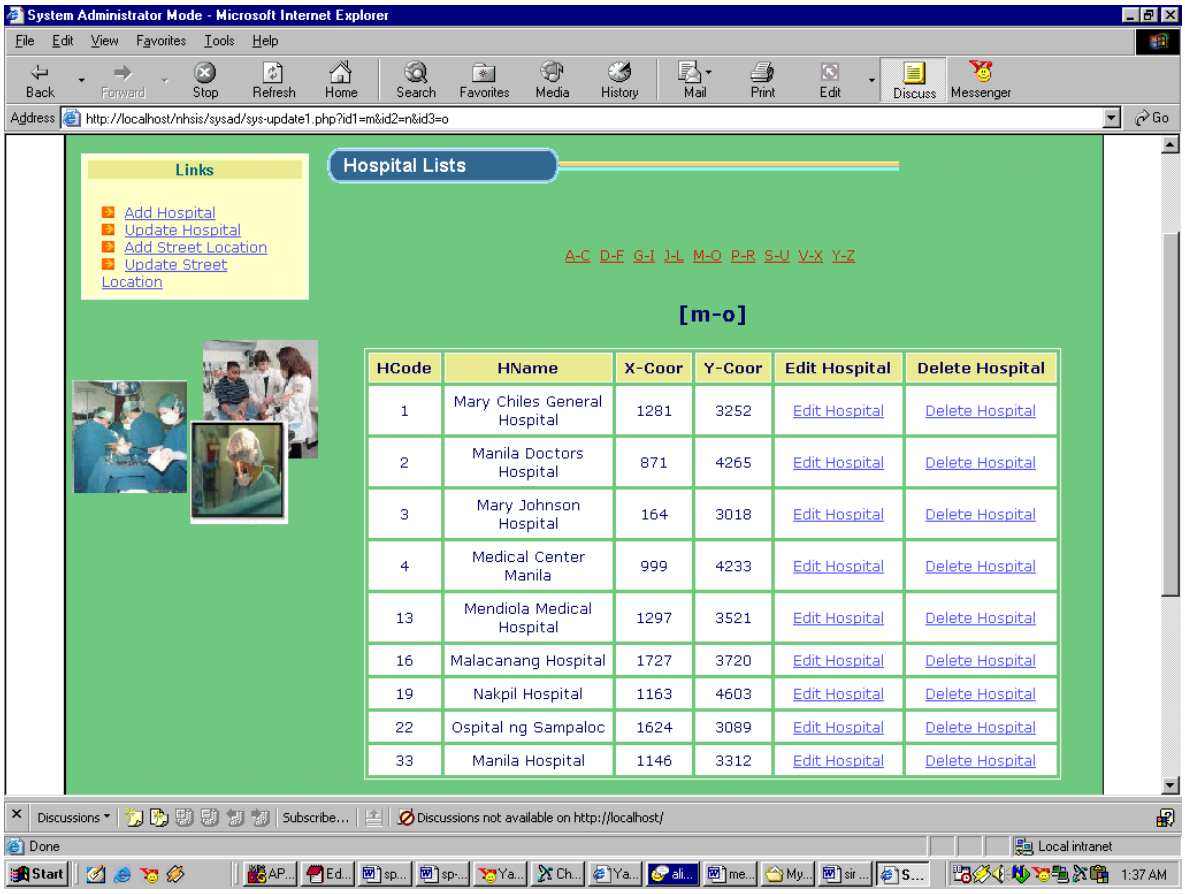


Figure 28: Update Street Location, Nearest Hospital and Inquiry System

Upon clicking the link to add or update street location, 2 list boxes are shown corresponding to the already registered streets in the database. Suppose Taft Ave. is already in the list box under Street 1 and Quirino Ave is under Street 2. If the two streets are selected and were attempted to be submitted, it will output an error message implying that coordinates has already existed. Moreover, Add Street Location also considers the case that Street 1 may be interchangeable with Street 2. Therefore, along with the checking if given Street 1 and Street 2 already exist, if not found, it must also check for its inverse -- Street 2 and Street 1 respectively.

Figures 29-30 are sample interfaces outputting results which shows that Street1 may be interchangeable to Street 2.

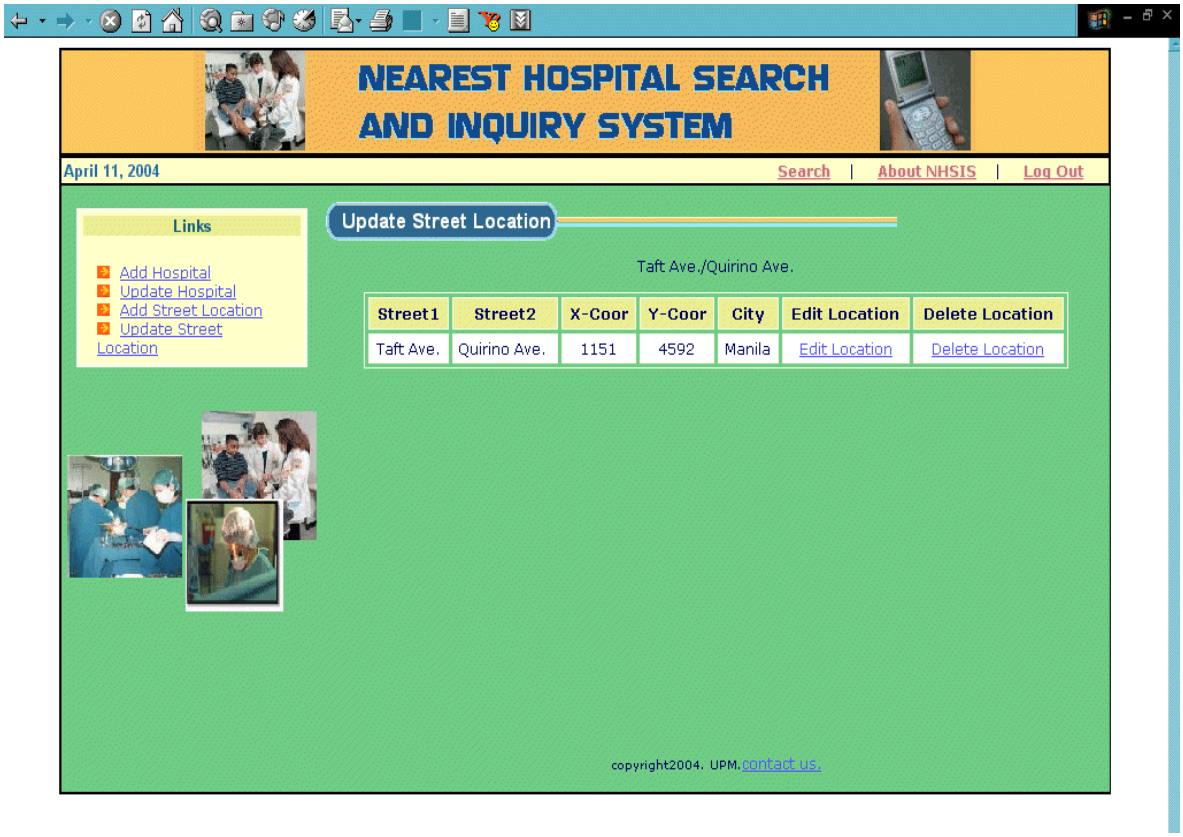


Figure 29: Result of Update Street Location 1, Nearest Hospital Search and Inquiry System

Figure 30: Result of Update Street Location 2, Nearest Hospital Search and Inquiry System

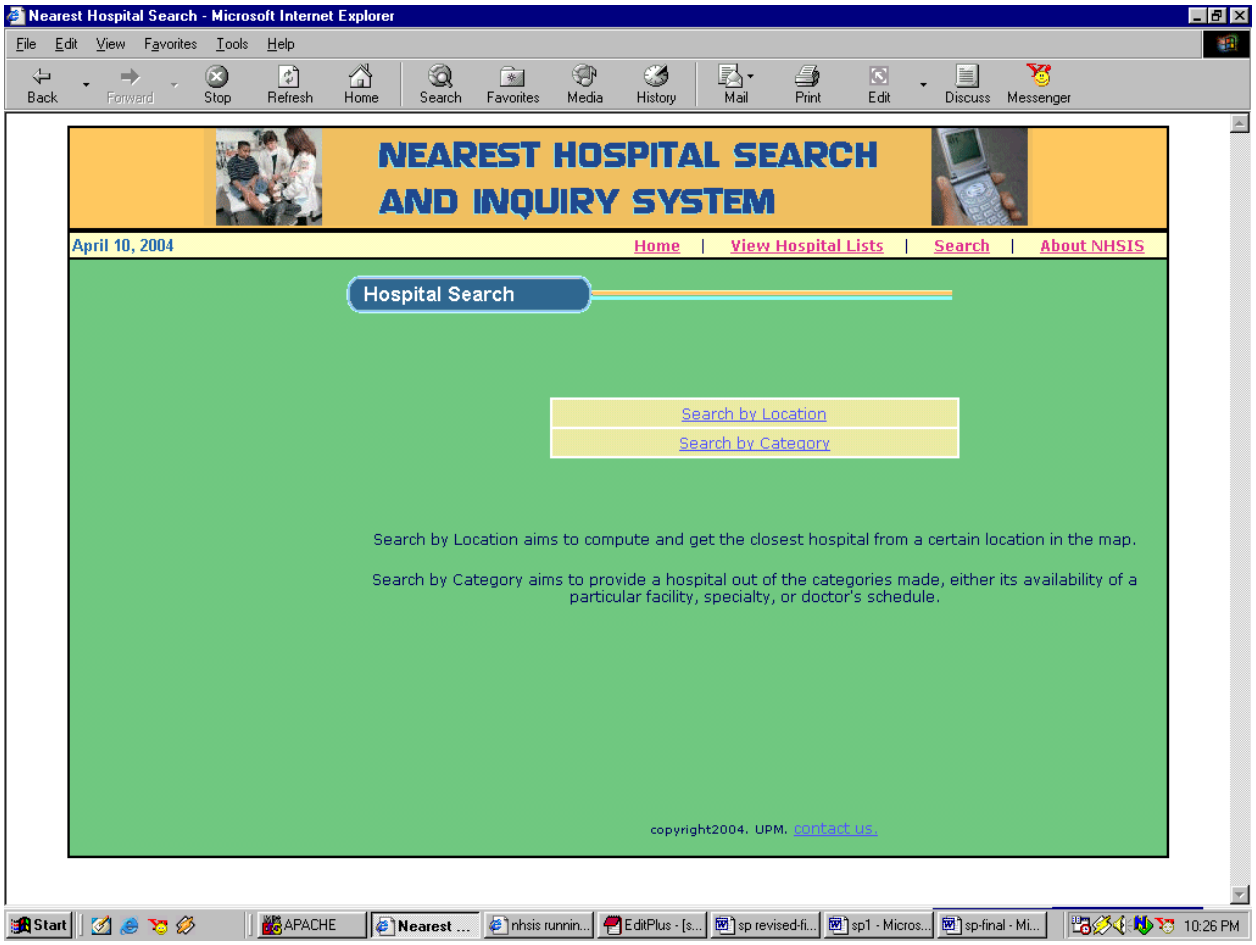
Online users can generally view the hospital lists in the database. Online users no longer need to log-in in the system. They can view general information such as hospital profile, its facilities, specialties, doctors and schedules upon clicking the link for a particular hospital name. (see Figures 31 - 32)

Figure 31: View Hospital Lists, Nearest Hospital Search and Inquiry System (for online users)

Figure 32: View Hospital Information, Nearest Hospital Search and Inquiry System (for online users)

Online users can also search for necessary hospital information however, they cannot access database of the system. Search may either be by category or location. Search by Location aims to compute and get the closest hospital from a certain location in the map. Online users are guided by instructions to locate their location on the set of image maps. Upon clicking on a particular area on the map, it outputs the closest hospital to your current location along with that hospital's information. Search by Category, on the other hand, aims to provide a hospital out of the categories made, either its availability of a particular facility, specialty, or doctor's schedule. The user specifies from the list boxes the collection of categories to be considered for the search. Ex. search for hospital with Facility

Radiology, Specialty Ventillator, Day Wednesday and Time Start 10 AM. (see Figures 33 -34)


Nearest Hospital Search - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites Media History Mail Print Edit Discuss Messenger
NEAREST HOSPITAL SEARCH AND INQUIRY SYSTEM
April 10, 2004
Home | View Hospital Lists | Search | About NHSIS
Hospital Search
Search by Location
Search by Category
Search by Location aims to compute and get the closest hospital from a certain location in the map.
Search by Category aims to provide a hospital out of the categories made, either its availability of a particular facility, specialty, or doctor's schedule.
copyright2004. UPM. contact us.
Start
APACHE
Nearest ...
nhsis runnin...
EditPlus - [s...
sp revised-fi...
sp1 - Micros...
sp-final - Mi...
10:26 PM

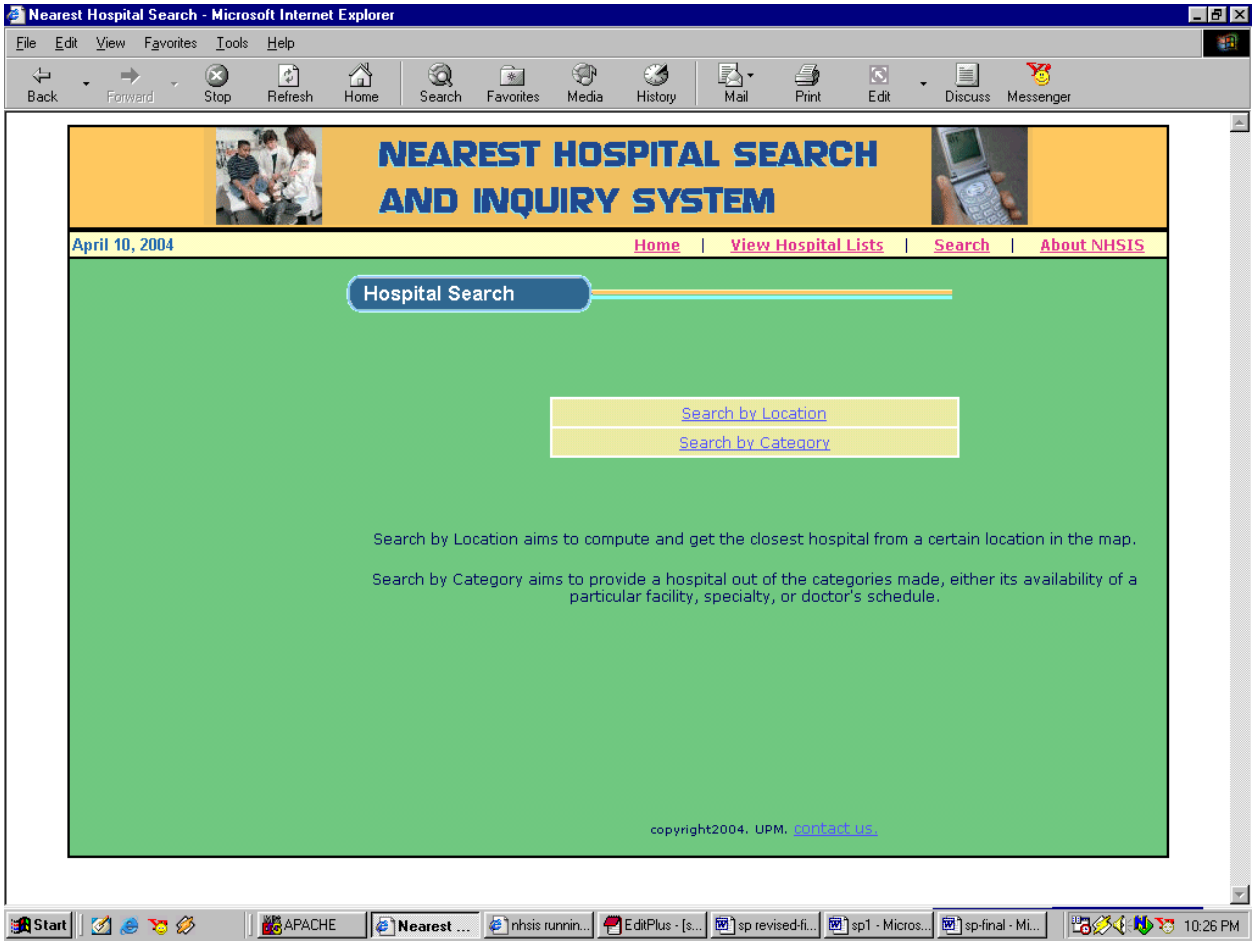


Figure 33: General Search Page, Nearest Hospital Search and Inquiry System

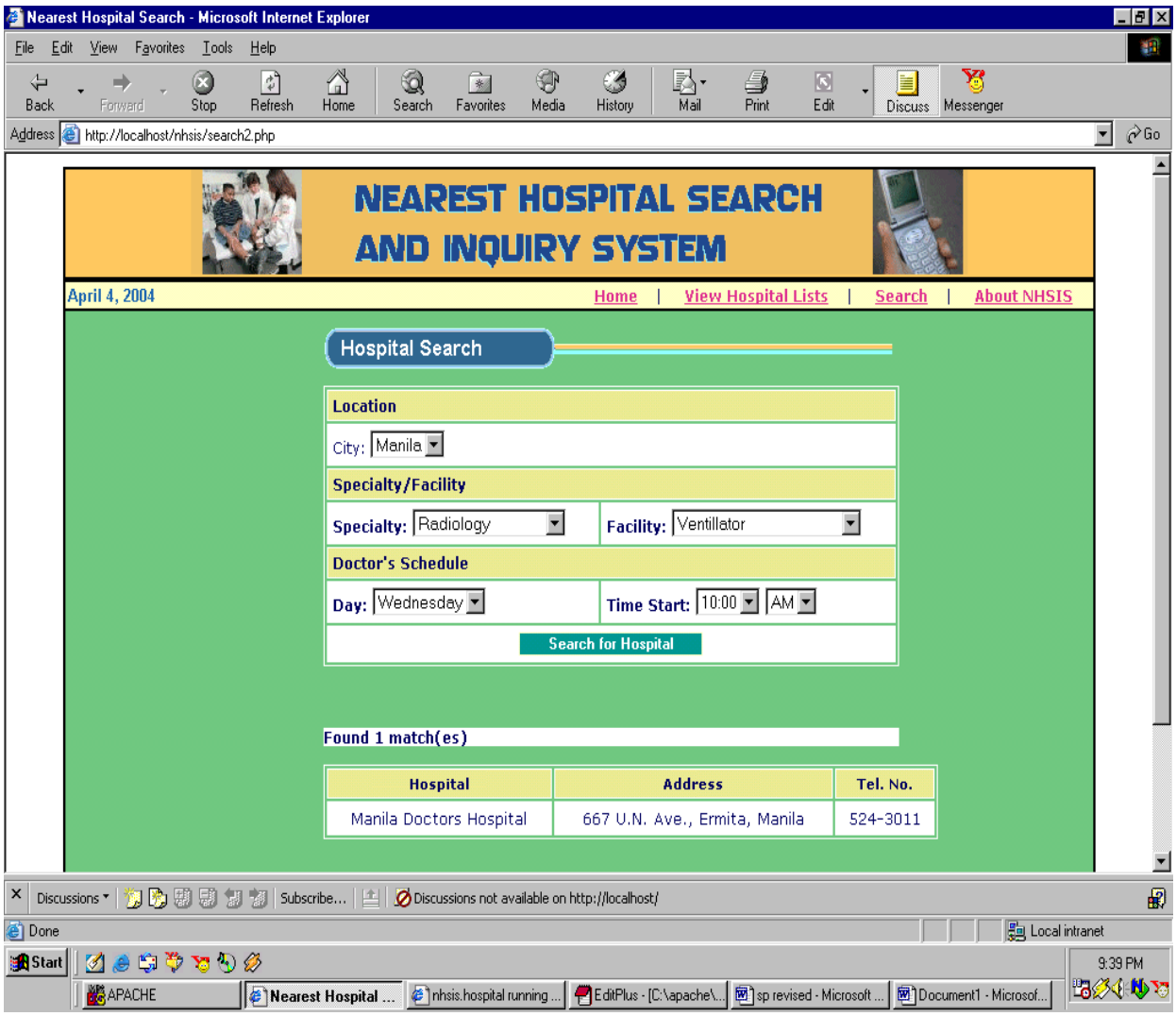


Figure 34: Search page according to category, Nearest Hospital Search and Inquiry System

Search by Location aims to compute and get the closest hospital from a certain location in the map as illustrated in Figure 35. In order for the user to specify their current location, instructions are given while clicking on the series of maps. Once the location of the user has been found, it outputs the nearest hospital from his area along with its information.

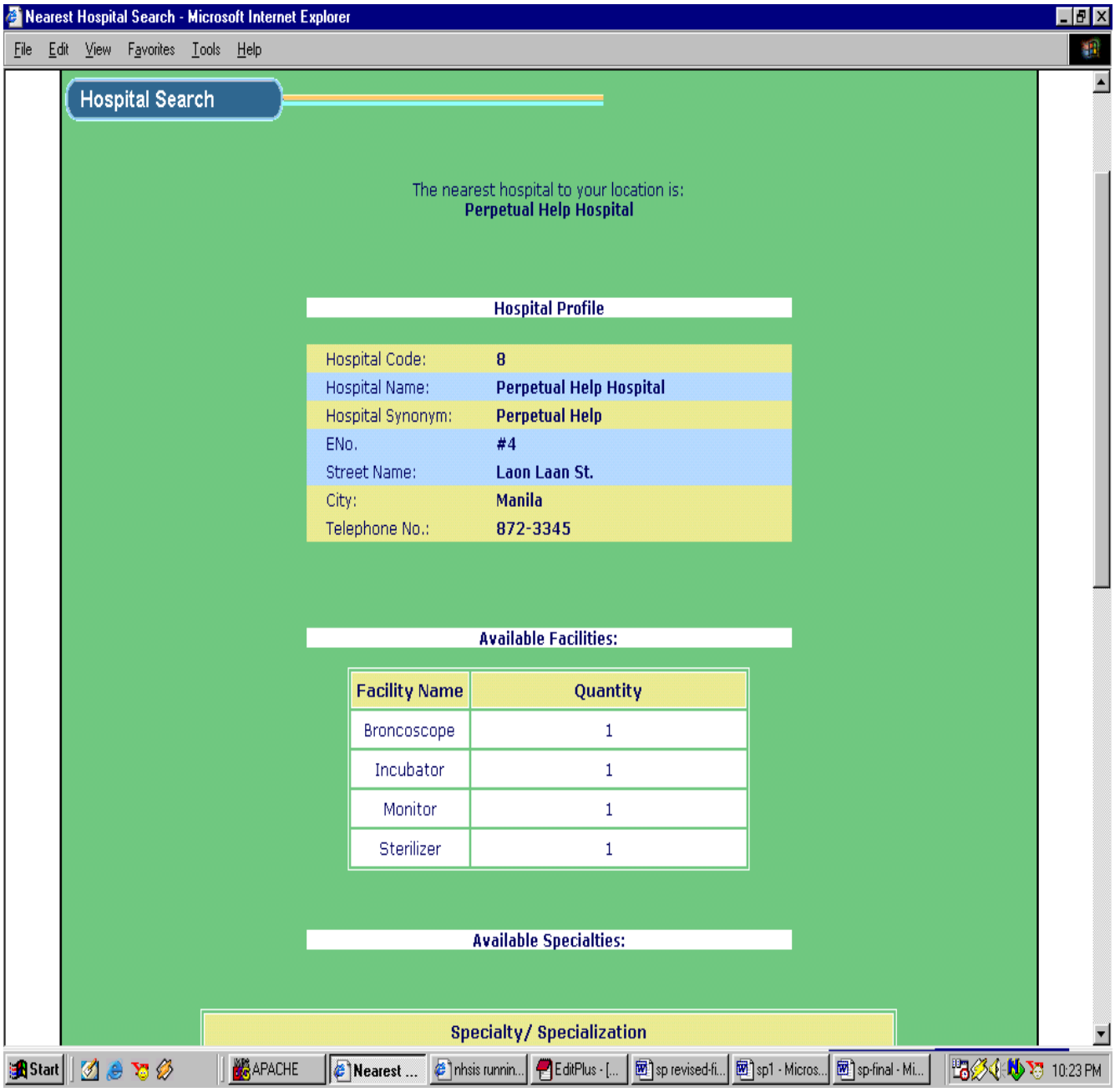


Figure 35: Search page according to location, Nearest Hospital Search and Inquiry System

The mobile users may be able to text in their queries and replies are provided by the system depending on the inquiry made. These reports are saved in text files, which are parsed to verify the validity of the inquiry. If the query is found in the database, the corresponding

hospital needed is sent to the user; otherwise, invalid message and correct syntax error are sent back to them. (see Figures 36 - 38)

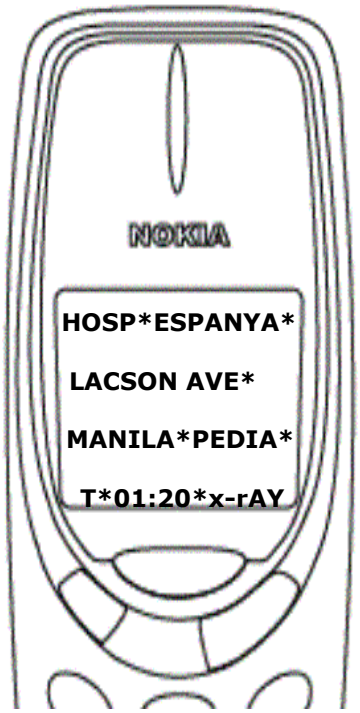


Figure 36 - Sample Text Query of Mobile User

Figure 37– Sample result query from the system

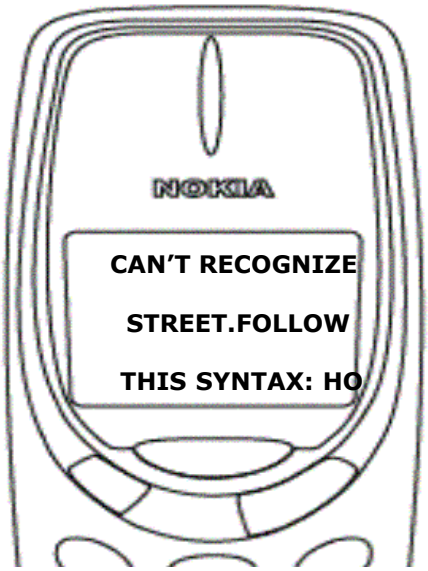


Figure 38 - Sample Text throwing the correct syntax

VI. DISCUSSION

Nearest Hospital Search and Inquiry System is an accessible application because it allows users to query online. Using this system, clinical data provided by registered hospitals are open for public viewing so in any case, users can readily search for hospitals they need. Moreover, hospital profiles are shown to post basic information about them such as their telephone numbers and addresses. Using the search module, users may obtain the hospital they want in line with the available facilities, specialties and doctor schedules they wish to specify. They can easily acquire desired information and choose hospitals whose location, type of services and doctor's schedules answer their needs. With the use of search by location, users can immediately click through the series of maps along with instructions given, and he can abruptly figure out which closest hospital can render service they want in the shortest time possible. It is useful to the general public because basic instructions incorporated in the system can be simply followed. On the other hand, searching categorically is very advantageous because users no longer worry if a particular hospital can give out services depending on the specialization, facility and schedules they want.

Since mobile technology is very useful nowadays, this system also incorporates the use of SMS or Short Messaging Service, where in anyone can issue their queries using plain text. Although there is a charge per text, it is still practical because you may readily send certain message anytime and anywhere. Users can also consider their desired schedules because by merely texting the system and getting a reply form it, they can adapt to doctor's schedules. Hence, if the mobile user made mistake with their query format, the system will reply an error message along with the correct syntax.

With the application of SMS, the system may determine the nearest hospital based from the user's location which he has submitted. Using instant messaging is less hassle because they no longer go directly to hospitals to find out their available facilities and services.

However, in spite of its usage, this system has drawbacks as well. It generates limited clinical information based only on the data given by the registered hospitals. Range of locality is within Metro Manila which only include major streets, avenues and highways. Minor streets and alleys are no longer covered in the map. Moreover, the street names to be identified by the system are the common names of the streets found in the look up table. Using SMS technology, users must be aware that text messaging would be costly especially if more error messages are sent back to them. In some area, mobile signals are not so promising.

The applicability of this system to hospitals and to the general users must encourage more testing in order for them to compensate its benefits.

VII. CONCLUSION

Generally, Nearest Hospital Search and Inquiry System employs SMS technology in determining nearest hospital to the location provided by the user. It allows mobile and online users to issue their queries on the hospital depending on the doctors' availability for a specified specialization and his schedule of services. The system enables online users to view hospital names and information. It allow hospitals and clinics to add, edit and delete hospital information. The system administrator is capable to register hospitals and assigns hospital account and password to them. Lastly, Nearest Hospital Search and Inquiry System provide mobile users with correct syntax in case of errors in message format.

VIII. RECOMMENDATION

The system incorporates Gnokii, which is an open source software in sending and receiving messages. However, Gnokii is applicable for Nokia handsets only under such specifications. It is then suggested that further study be made to do modifications on the said system. The image map used to generate coordinates is not ideal enough for displaying a clearer and quality map, instead, Adobe SVG Viewer for Geographical Information System (GIS) is recommended. It allows user to simply click at a point in a vector map automatically generation its coordinates.

IX. Bibliography

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   9.
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13. http://www.elsevier.com/inca/publications/store/2/3/6/236.pub.htt
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16. http://earthtrak.com/et_overview.htm
17. http://schoolfinder.risd.org/search.
18. http://zipfindlocator.com/default.htm
19. http:// itmatters.com.ph
20. http://en.wikipedia.org/wiki/Euclidean_distance

21. http:// support.erdas.com/Glossary.htm

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23. www.gnokii.org

24. GSM World - What is GPRS.htm

25. http://www.w3.org/Graphics/SVG/

26. www. Adobe.com/SVG

APPENDIX

A. Source Codes

```
// hospital.php
<?session_start(); ?>
<html>
<head>
<title> Hospital Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet></head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="10" topmargin="10" leftmargin="50" rightmargin="50"> <center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
<tr><td width="100% height=100%" colspan="1" align=center>
<img src="../images/nhsis.gif"></td>
</tr></table>
<?
include "../connect.php";
$query = "SELECT * FROM hospital WHERE HCode = '$HCodeUser'";
$check_sql = mysql_query($query);
$hosp =mysql_fetch_array($check_sql);
?>
<table width=100% height="80%" cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
<tr bgcolor=#FFFFCC>
<td><font face="Arial" size = "2" align=center color="#2266BB">
<b> <font class="hname"><?echo $hosp["HName"];?></font></b></font></td>
<td align="right" colspan=2>
<a href="../search.php" class="main"><b>Search</b></a>
   |         <a href="../about.php" class=main><b>About NHSIS</b></a>   |
     <a href="../logout.php" class="main"><b>Log out</b></a>   
 </td></tr><tr><td width="10%" valign=top bgcolor=transparent align=left><font face="Arial" size =
"2"><br><center>
<table bgcolor=#FFFFCC border=1 bordercolor=white cellspacing=1 cellpadding=3 width=90%>
<tr><td align=left><div style="background-color:#EEEE99; color:#006688; text-align:
center"><H5>Links</H5></div><center>
<table width=90%><tr><td>
<IMG src="../images/arrow.gif" height=10>   <a href="hosp-
profile.php">HospitalProfile</a></LI><br><IMG src="../images/arrow.gif" height=10>   <a href="view-
faclist.php">List of Facilities</a></LI><br>
<IMG src="../images/arrow.gif" height=10>   <a href="view-speclist.php">List of Specialties</a></LI><br>
<IMG src="../images/arrow.gif" height=10>   <a href="view-doclist1.php">List of Doctor</a></LI><br>
 <IMG src="../images/arrow.gif" height=10>   <a href="view-schedlist.php">List of
Schedules</a></LI><br><br></td></tr>
</table></td></tr></table><br><font face="Verdana" size = "2"><br>
<p align="center"><img src="../images/spec8.jpg" align=right alt="hosp" width="100 height="90"></p><br><br>
<p align="center"><img src="../images/spec7.jpg" align=left alt="hosp" width="100 height="90"></p><br><br>
<p><img src="../images/spec3.jpg" align="center" alt="hosp2" width="85" height="90"></p></td>
<td background="../images/title.gif" style="background-repeat: no-repeat" valign="top"><br>

// sys_admin.php
<?
include "../connect.php";
?>
<html>
<head>
<title> System Administrator Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet>
</head><body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight="100%"
bottommargin="10" topmargin="10" leftmargin="50" rightmargin="50"> <center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
<tr><td width="100%" height="100%" colspan="3" align=center>
<img src="../images/nhsis.gif"></td></tr></table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
<tr bgcolor=#FFFFCC><td><font face="Arial" size = "2" align=center color="#2266BB">
<b><SCRIPT language="JavaScript" src="../date.js"></SCRIPT></b></font>
</td><td align="right" width="30%" colspan=2>  
<a href="../search.php" class="main"><b>Search</b></a>
   |    
<a href="../about.php" class=main><b>About NHSIS</b></a>           |    
<a href="../logout.php" class="main"><b>Log Out</b></a>     
</td></tr>
<tr>
<td width="10%" valign=top bgcolor=transparent align=left><font face="Arial" size = "2">
<br><center>
<table bgcolor=#FFFFCC border=1 bordercolor=white cellspacing=1 cellpadding=3 width=90%>
```

```
<tr><td align=left><div style="background-color:#EEEE99; color:#006688; text-align: center"><H5>Links</H5></div>
<center><table width=90%><tr><td>
<IMG src="../images/arrow.gif" height=10>   <a href="sys-add.php">Add Hospital</a></LI><br>
<IMG src="../images/arrow.gif" height=10>   <a href="sys-update1.php">Update Hospital</a></LI><br>
<IMG src="../images/arrow.gif" height=10>   <a href="sys-add-loc.php">Add Street Location</a></LI><br>
<IMG src="../images/arrow.gif" height=10>   <a href="sys-update-loc.php">Update Street
Location</a></LI><br>
</td></tr></table>
</td></tr></table>
<br><font face="Verdana" size = "2"><br>
<p align="center"><img src="../images/spec8.jpg" align=right alt="hosp" width="100 height="90"></p><br><br>
<p align="center"><img src="../images/spec7.jpg" align=left alt="hosp" width="100 height="90"></p><br><br>
<p><img src="../images/spec3.jpg" align="center" alt="hosp2" width="85" height="90"></p></td>            <td
background="../images/title.gif" style="background-repeat: no-repeat" valign="top"><br>

// about.php
<html>
<head>
<title> About NHSIS</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
<tr><td width="100%" colspan="3" align=center><img src="./images/nhsis.gif"></td></tr>
</table><table width=100% height="100%" cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows><tr bgcolor=#FFFFCC>
<td><font face="Arial" size = "2" align=center color="#2266BB"><b><SCRIPT language="JavaScript"
src="date.js"></SCRIPT></b></font></td>
<td align="right" width="30%">  <a href="./index.php"class=main><b>Home</b></a>   |
   <a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
   |    <a href="./search.php"
class="main"><b>Search</b></a>    </td></tr>
<tr><td width="10%"><font face="Verdana" size = "2"><br><center><b>Webmaster</center><br>
<center><a href="petit_mey@yahoo.com">Meybel R. Martirez</a></center><br><br>
<p><center><img src="images\spec6.jpg" alt="symmtric pics"></center></p>
<p><center><img src="images\spec1.jpg" alt="treating pic"></center></p>
<font face="Verdana" size = "2">    
</font></td>
<td ><font face="Verdana" size = "2">
<p align="center"><img src="images\spec7.jpg" align=right alt="hosp" width="100 height="90" hspace="10"
vspace="10">    <br><br>
<blockquote><p align="justify"><font face="Verdana, Helvetica, sans-serif" size="+2">   <b>
<font face=" Helvetica, sans-serif,">N</font></b></font>earest Hospital Search and Inquiry System is a web-based
application that enables an easy access to necessary hospital information and promotes health services.  The sytem
generates clinical data given by registered hospitals. It allows both registered and general users to issue their queries on
the hospital nearest to their location, doctor's schedule of services, lists of specialties and facilities.
<br><br>    Moreover, this system employs SMS technology that would determine the closest
hospital accessible for specialty medication. </p>
<p align="justify"><img src="images\spec3.jpg" align="left" alt="hosp2" width="85" height="90" hspace="10"
vspace="10"></p><p align="justify" >   With the use of short messaging service, inquiries can be
readily sent anytime and anywhere, thus reports and information from the working system are sent back to the users.
</p></blockquote>
<br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com">contact
us.</a></font></center>
</font><br></td></tr></font></table></center>
</body></html>

// changePass.js
function chkPass()
{
if(document.changePass.pass1.value != document.changePass.pass2.value)
            {
            alert("Passwords do not match.");
            return false;
            }
return true;
}

// connect.php
<?
$connect = mysql_connect("localhost","","");
mysql_select_db("nhsis",$connect);
?>
```

```
// date.js
<!--
var months = new Array(13);
months[1] = "January";
months[2] = "February";
months[3] = "March";                    months[4] = "April";
months[5] = "May";                      months[6] = "June";
months[7] = "July";             months[8] = "August";
months[9] = "September";    months[10] = "October";
months[11] = "November";    months[12] = "December";
var time = new Date();
var lmonth = months[time.getMonth() + 1];
var date = time.getDate();
var year = time.getYear();

if (year < 2000)
           year = year + 1900;
           document.write(lmonth + " " + date + ", " + year);
// end of script -->

// drawMarker.js
var jg_doc = new jsGraphics("theOne");
stepsize1_X = 2502;             // x interval for metro manila
stepsize1_Y = 2310;   // y interval for metro manila
stepsize2_X = 834;    // x interval for city
stepsize2_Y = 1155;  // y interval for city

function Draw(x, y)
{
// draws marker
jg_doc.clear();
jg_doc.setStroke(2);
jg_doc.setColor("#FF0066"); // orange
jg_doc.fillEllipse(x, y, 17, 17); // co-ordinates related to the document
jg_doc.paint(); // draws, in this case, directly into the document
}

function hereIam()
{
// gets mouse coordinates
  locX=event.offsetX;
  locY=event.offsetY;

  s1X = document.hidden.step1X.value;
  s1Y = document.hidden.step1Y.value;
  s2X = document.hidden.step2X.value;
  s2Y = document.hidden.step2Y.value;

  prev_x_coor = s1X*stepsize1_X+s2X*stepsize2_X;
  prev_y_coor = s1Y*stepsize1_Y+s2Y*stepsize2_Y;

  document.all.X.value = locX+prev_x_coor;
  document.all.Y.value = locY+prev_y_coor;

  Draw(locX, locY);
}

function Draw_trans(x, y)
{
var jg_doc = new jsGraphics("theOne");
jg_doc.setColor("transparent"); // clear
jg_doc.fillEllipse(x, y, 10, 10); // co-ordinates related to the document
jg_doc.paint(); // draws, in this case, directly into the document
}

// hosp-prof.php
<html>
<head>
<title> View Hospital List</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50"> <center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
<tr>
```

```
<td width="80%" colspan="3" align=center>
<img src="./images/nhsis.gif"></td></tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
<tr bgcolor=#FFFFCC><td><font face="Arial" size = "2" align=center color="#2266BB"> <b><SCRIPT
language="JavaScript" src="date.js"></SCRIPT></b>
</font></td>
<td align="right" width="50%">  
<a href="./index.php" class=main><b>Home</b></a>   |    <a href="./view-gen1.php"
class="main"><b>View Hospital Lists</b></a>    |    
<a href="./search.php" class="main"><b>Search</b></a>   |      <a href="./about.php"
class=main><b>About NHSIS</b></a>                  </td>
</tr>
<tr><td colspan = 2>

<?
include "./connect.php";
$query = "SELECT * FROM hospital WHERE HCode = '$HCode'";
$check_sql = mysql_query($query);
$hosp = mysql_fetch_array($check_sql);
?>
<br><br>
<p class="title">   <b>Hospital Profile</b></p>
<CENTER>
<FORM METHOD="post" ACTION="hosp-edit.php">
<table width=50% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF><tr class="result" bgcolor=#EEEE99>
<td width=35%>Hospital Code:</td><td><font class="value"><?echo $hosp["HCode"];?></font></td></tr>
<tr class="result"><td>Hospital Name:</td><td><font class="value"><?echo $hosp["HName"];?></font></td>
</tr><tr class="result" bgcolor=#EEEE99>
<td>Hospital Synonym:</td><td><font class="value"><?echo $hosp["HSyno"];?></font></td></tr>
<tr class="result">
<td>Establishment No.:</td><td><font class="value"><?echo $hosp["ENo"];?></font></td></tr>
<tr class="result"><td>Street Name:</td><td><font class="value"><?echo $hosp["StreetName"];?></font></td></tr>
<tr class="result"
bgcolor=#EEEE99><td>City:</td><td><font class="value"><?echo $hosp["City"];?></font></td></tr>
<tr class="result" bgcolor=#EEEE99>
<td>Telephone No.:  </td>
<td><font class="value"><?echo $hosp["TelNo"];?></font></td></tr>
</table></FORM>
<?
$getFac = mysql_query("SELECT * FROM facility WHERE facility.HCode = '$HCode' ORDER BY FName");
?>
<br><b>Available Facilities:</b></br><br>
<?
if (@mysql_num_rows($getFac) < 1)
            echo ("0 results.<br><br>");
            else
            {
?>
<table border=1 bordercolor=#ffffff cellpadding=4>
<th><font size='2'>Facility Name</font></th>
<th><font size='2'>Quantity</font></th>
 </tr>
<?
for ($i = 0; $i < mysql_num_rows($getFac); $i++){
$data = mysql_fetch_array($getFac);
echo "<tr bgcolor=#FFFFCC>";
echo"<td><fontsize='2'>".$data["FName"]."</font></center></td>";
echo "<td><center><font size='2'>".$data["Number"]."</font></center></td>";
echo "</tr>";
            }
            echo "</table>";
            echo "<br><br>";
}
?>
<?
$getSpec = mysql_query("SELECT * FROM specialty WHERE specialty.HCode = '$HCode' ORDER BY SpecName");
?><br><b>Available Specialties:</b><br><br>
<?
if (@mysql_num_rows($getSpec) < 1)
            echo ("0 results.<br><br>");
else {
?>
<TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
<TH><font size='2'>Specialty/ Specialization</font></TH>
<?
```

```
for ($i = 0; $i < mysql_num_rows($getSpec); $i++)
{ $data = mysql_fetch_array($getSpec);
echo "<TR bgcolor=#FFFFCC>";
echo "<TD width=30%><center><font size='2'>".$data["SpecName"]."</font></center></TD>";
echo "</TR>"; }
echo "</TABLE>";
echo "<br><br>";}

$getDoc = mysql_query("SELECT * FROM doctor, schedule WHERE doctor.ID = schedule.ID AND HCode = '$HCode' ORDER
BY DLName");
?>
<br><b>Available doctors:</b><br><br>
<?
if (@mysql_num_rows($getDoc) < 1)
echo ("0 results.<br><br>");
else {
?>
<TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
<TH><font size='2'>First Name</font></TH>
<TH><font size='2'>Last Name</font></TH>
<TH><font size='2'>Day</font></TH>
<TH><font size='2'>Time Start</font></TH>
<TH><font size='2'>Time End</font></TH>
<?
for ($i = 0; $i < mysql_num_rows($getDoc); $i++)
{
$data = mysql_fetch_array($getDoc);
echo "<TR bgcolor=#FFFFCC>";
echo "<TD width=20%><center><font size='2'>".$data["DLName"]."</font></center></TD>";
echo "<TD width=20%><center><font size='2'>".$data["DFName"]."</font></center></TD>";
echo "<TD><center><font size='2'>".$data["day"]."</font></center></TD>";
echo "<TD><center><font size='2'>".DispTime($data["TimeStart"])."</font></center></TD>";
echo "<TD><center><font size='2'>".DispTime($data["TimeEnd"])."</font></center></TD>";
echo "</TR>"; }
echo "</TABLE>"; }

function DispTime($time)
{
if ($time >= 12)
{
        if ($time > 12)
        $time = $time - 12;
        $time = $time. " PM";
}
else
        $time = $time. " AM"; return $time;
}
?>
<br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM.<a href="mailto:nhsis.webmaster@yahoo.com">contact
us.</a></font></center></font><br></td>
</font></table></body>
</html>

// index.php
<html>
<head>
<title> Home</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
<tr>
<td width="100%" colspan="3" align=center>
<img src="./images/nhsis.gif">
</td></tr>
</table>
<table width=100% height="85%" cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
<tr bgcolor=#FFFFCC>
<td><font face="Arial" size = "2" align=center color="#2266BB">
<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b></font></td>
<td align="right" width="30%">  
<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>    |    
```

```
<a href="./search.php" class="main"><b>Search</b></a>
   |    <a href="./about.php"
class=main><b>AboutNHSIS</b></a>    </td></tr>
<tr>
<td width="10%" valign=top bgcolor=transparent><font face="Arial" size = "2">
<br>
<table bgcolor=#FFFFCC border=0 bordercolor=white cellspacing=1 cellpading=2>
<tr>
<td align=center>
<div style="background-color:#EEEE99; color:#006688"><H5> USER LOGIN</H5></div>
<font face="Verdana" style="font-size:11px;">
<form method="post" action="login.php">
<p>Username:    
<input type="text" name="name" size="15">
<br> Password:    
<input type="password" name="pass" size="15"><br><br>
<input type = "submit" value="login" name= "submit" class = "button"> </FORM></td></tr></table>
<p><center><img src="images\cp.jpg" alt="cellphone picture"></center></p><font face="Verdana" size =
"2">    </font></td>
<td><font face="Verdana" size = "2">
<p align="center"><img src="images\spec7.jpg" align=right alt="hosp" width="100 height="90" hspace="10"
vspace="10">    <br><br>
<blockquote>
<p align="justify">
<font face="Verdana, Helvetica, sans-serif" size="+2">   <b>
<font face=" Helvetica">N</font></b></font>earest Hospital Search and Inquiry System is a web-based application that
enables an easy access to necessary hospital information and promotes health services.  The sytem generates clinical data
given by registered hospitals. It allows both registered and general users to issue their queries on the hospital nearest to
their location, doctor's schedule of services, lists of specialties and facilities.
<br><br>    Moreover, this system employs SMS technology that would determine the closest
hospital accessible for specialty medication. </p>
<p align="justify"><img src="images\spec3.jpg" align="left" alt="hosp2" width="85" height="90" hspace="10"
vspace="10"></p><p align="justify" >   With the use of short messaging service, inquiries can be
readily sent anytime and anywhere, thus reports and information from the working system are sent back to the users.
</p></blockquote>
<br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com">contact
us.</a></font></center></font><br></td></tr></font></table></center>
</body></html>
```

// login.php

```
<?
require "connect.php";
session_start();
session_destroy(); // reset session before starting another
session_start();

$result = mysql_query("SELECT * FROM users WHERE username = '$name' AND password = '$pass'", $connect);

if(mysql_num_rows($result) == 0)
{
	header("location: ./index.php");
	session_destroy();
	exit();
}
else
{
	$data = mysql_fetch_array($result);
	$type = $data["position"];
	if ($type == "system admin")
	{
	$username = $name;
	session_register("username","type");
	header("location: ./sysad/sysadd.php?".SID);
	}else
	{
	$result = mysql_query("SELECT * FROM hospital WHERE HCode = '$name'");
	$hosp = mysql_fetch_array($result);
	$HName = $hosp["HName"];
	$HCodeUser = $name;
				session_register("HCodeUser","HName","type");
	header("location: ./hospital/hosp-profile.php");
	}
}
?>
```

```
// logout.php
<?
session_start();
session_unregister("HCode");
session_unregister("username");
session_unregister("type");
session_destroy();
header("location: index.php");
?>

// mey.css

a{color: #5555FF; font-size: 12px; font-family: Verdana;}
A:hover{color: #FF44AA;}
A.main{color: #DD3399; font-size: 12px; font-family: Verdana;}
A.main:hover{color: #88AA88;}
A.alpha{
color: #CC2200; font-size: 12px; font-family: Verdana;}
A.alpha:hover{
color: #6688AA; text-decoration: none;}
.button {
		color: #FFFFFF; background-color: #009999; font-weight: bold; font-size: 11px;
	}
	BODY {
		font-family: Verdana;
	}
	TD {
		font-size: 12px;
	}
	TH {
		font-size: 11px; background-color: #EEEE99;
	}
	INPUT {
		border-right: #0066FF 1px solid; border-top: #0066FF 1px solid; border-left: #0066FF 1px solid;
border-bottom: #0066FF 1px solid;
	}
	.button {
		color: #FFFFFF; background-color: #009999; font-weight: bold; font-size: 11px;
		border-right: #FFFFCC 1px solid; border-top: #FFFFCC 1px solid; border-left: #FFFFCC 1px solid;
border-bottom: #FFFFCC 1px solid;
	}
	.hname {
		color:#2266BB; font-size:13px; font-family:Arial, Sans Serif;
	}
	.result {
		font-family: Verdana; font-size: 12px; text-indent: 15px;
	}
	.value {
		font-weight:bold;
	}
	.title {
		color: white; font-family: Arial, Sans Serif; font-size: 17px; font-weight: bold; background-color:
transparent; text-indent: 15px; text-align:left;
	}
	.white {
		background-color: white;
	}
	.about {
		color: white; font-family: Arial, Sans Serif; font-size: 13px; font-weight: bold; background-color:
transparent; text-indent: 15px; text-align:center;
	}
	.inst {
		color: maroon; font-family: Sans Serif; font-size: 15px; background-color: transparent; text-indent:
15px; text-align:center;

// meybs.php
<?
	require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
```

```
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="./images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="90%">  
		<a href="./index.php" class="main"><b>Home</b></a>
		   |    
		<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
		   |    
		<a href="./search.php" class="main"><b>Search</b></a>
		   |    
		<a href="./about.php" class=main><b>About NHSIS</b></a>    
		</td>
	</tr>
	<tr>
	<td background="./images/title.gif" style="background-repeat: no-repeat" valign = "top" colspan = 2>
	<br>
	<p class="title" align = center>Hospital Search</p>
	 <center>

<?
	$query = "SELECT * FROM hospital";
	$result = mysql_query ($query);
	if (@mysql_num_rows($result) == 0)
	{
		exit;

	}

	$mindist = 0;

	if ($myrow = mysql_fetch_array($result)){
			do
			{
				$distance = sqrt((($myX - $myrow["X"])*($myX - $myrow["X"])) + (($myY -
$myrow["Y"])*($myY - $myrow["Y"])));
					if($mindist == 0 )
					{
						$mindist = $distance;
						$name = $myrow["HName"];
						$code = $myrow["HCode"];
					}
					else
					{
							if ($distance < $mindist)
								{
								  $mindist = $distance;
								  $name = $myrow["HName"];
								  $code = $myrow["HCode"];
								}
					}
			}while ($myrow = mysql_fetch_array($result));
	}else
		{
			echo "<BR>No hospital record found.";
			}

 echo("<br><br>The nearest hospital to your location is:<br>");
 echo("<b>$name</b><br>");
?>

<?
   $query = "SELECT * FROM hospital WHERE HCode = '$code'";
	$check_sql = mysql_query($query);
	$hosp = mysql_fetch_array($check_sql);
?>
```

```
		<br><br>
		<CENTER>
		<br><br><b><div class = "white" style = "width: 50%">Hospital Profile</div></p>
		<CENTER>
		<FORM METHOD="post" ACTION="hosp-edit.php">
		<table width=50% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
			<tr class="result" bgcolor=#EEEE99>
				<td width=35%>Hospital Code:</td><td><font class="value"><?echo
$hosp["HCode"];?></font></td>
			</tr>
			<tr class="result">
				<td>Hospital Name:</td><td><font class="value"><?echo $hosp["HName"];?
></font></td>
			</tr>
			<tr class="result" bgcolor=#EEEE99>
				<td>Hospital Synonym:</td><td><font class="value"><?echo $hosp["HSyno"];?
></font></td>
			</tr>
			<tr class="result">
				<td>ENo.</td><td><font class="value"><?echo $hosp["ENo"];?></font></td>
			</tr>
			<tr class="result">
				<td>Street Name:</td><td><font class="value"><?echo $hosp["StreetName"];?
></font></td>
			</tr>
			<tr class="result" bgcolor=#EEEE99><td>City:</td><td><font class="value">
				<?echo $hosp["City"];?></font></td>
			</tr>
			<tr class="result" bgcolor=#EEEE99>
				<td>Telephone No.:  </td>
				<td><font class="value"><?echo $hosp["TelNo"];?></font></td>
			</tr>
		</table>
		</FORM>

		<br><br><br><b><div class = "white" style = "width: 50%">Available Facilities:</div></b>
<?
		$getFac = mysql_query("SELECT * FROM facility WHERE facility.HCode = '$code' ORDER BY FName");

		if (@mysql_num_rows($getFac) < 1)
			echo ("<br><br>0 results.");
		else
		{
?>
		<br>
			<table border=1 bordercolor=#ffffff cellpadding=4>
			<th><font size='2'>Facility Name</font></th>
			<th><font size='2'>Quantity</font></th>
		   </tr>
<?
			for ($i = 0; $i < mysql_num_rows($getFac); $i++)
			{
				$data = mysql_fetch_array($getFac);

				echo "<tr bgcolor=white>";
				echo "<td width=30%><center><font size='2'>".
$data["FName"]."</font></center></td>";
				echo "<td><center><font size='2'>".$data["Number"]."</font></center></td>";
				echo "</tr>";
			}
				echo "</table>";
		}
?>
		<br><br><br><b><div class = "white" style = "width: 50%">Available Specialties:</div></b>
<?
		$getSpec = mysql_query("SELECT * FROM specialty WHERE specialty.HCode = '$code' ORDER BY
SpecName");

		if (@mysql_num_rows($getSpec) < 1)
			echo ("<br><br>0 results.");
		else
		{
?>		<br>
			<br><br>

			<TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
```

```
                                <TH><font size='2'>Specialty/ Specialization</font></TH>

<?
                                for ($i = 0; $i < mysql_num_rows($getSpec); $i++)
                                {
                                        $data = mysql_fetch_array($getSpec);

                                        echo "<TR bgcolor=white>";
                                        echo "<TD width=30%><center><font size='2'>".
$data["SpecName"]."</font></center></TD>";
                                                        echo "</TR>";
                                }
                                echo "</TABLE>";
        }
?>
                <br><br><br><b><div class = "white" style = "width: 50%">Available doctors:</div></b>

<?
        $getDoc = mysql_query("SELECT * FROM doctor, schedule WHERE doctor.ID = schedule.ID AND HCode = '$code'
ORDER BY DLName ASC");

                if (@mysql_num_rows($getDoc) < 1)
                        echo ("<br><br>0 results.");
                else
                {
?>              <br>
                                <br><br>
                        <TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
                        <TH><font size='2'>Last Name</font></TH>
                        <TH><font size='2'>First Name</font></TH>
                        <TH><font size='2'>Day</font></TH>
                        <TH><font size='2'>Time Start</font></TH>
                        <TH><font size='2'>Time End</font></TH>
                </TR>
<?
                                for ($i = 0; $i < mysql_num_rows($getDoc); $i++)
                                {
                                        $data = mysql_fetch_array($getDoc);

                                        echo "<TR bgcolor=white>";
                                        echo "<TD width=20%><center><font size='2'>".
$data["DLName"]."</font></center></TD>";
                                        echo "<TD width=20%><center><font size='2'>".
$data["DFName"]."</font></center></TD>";
                                        echo "<TD><center><font size='2'>".$data["day"]."</font></center></TD>";
                                        echo "<TD><center><font
size='2'>".DispTime($data["TimeStart"])."</font></center></TD>";
                                        echo "<TD><center><font
size='2'>".DispTime($data["TimeEnd"])."</font></center></TD>";
                                        echo "</TR>";
                                }
                                        echo "</TABLE>";
                }

        function DispTime($time)
        {
                if ($time >= 12)
                {
                        if ($time > 12)
                                $time = $time - 12;
                $time = $time. " PM";
                }
                else
                        $time = $time. " AM";
        return $time;
        }
?>
        <br><br><A href = 'view-map3.php?pic=<? echo $pic;?>' onClick = 'history.go(-1)'>Back</A>


        <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
        <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
        </font><br>
        </td>
        </font>
```

```
		</table>
		</center>
</body>
</html>

// search.php
<?
		require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
		<tr>
			<td width="80%" colspan="3" align=center>
			<img src="./images/nhsis.gif">
			</td>
		</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
		<tr bgcolor=#FFFFCC>
			<td><font face="Arial" size = "2" align=center color="#2266BB">
			<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
			</font>
			</td>
			<td align="right" width="30%">  
			<a href="./index.php" class="main"><b>Home</b></a>
			   |    
			<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
			   |    
			<a href="./search.php" class="main"><b>Search</b></a>
			   |    
			<a href="./about.php" class=main><b>About NHSIS</b></a>    
			</td>
		</tr>
		<tr>
			<td width="10%" valign=top bgcolor=transparent><font face="Arial" size = "2">
			</td>
			<td background="./images/title.gif" style="background-repeat: no-repeat" valign = "top">
			<br>
			<p class="title">Hospital Search</p><br><br><br><br>
			<table width="50%" border = 0 bgcolor = white cellpadding = 4  align = center>
				<tr>
					<td bgcolor = #EEEEAA  align = center><A href = "view-map.php">Search by
Location</A></td>
				</tr>
				<tr>
					<td bgcolor = #EEEEAA  align = center><A href = "search2.php">Search by
		Category</A></td>
				</tr>
			</table><br><br><br><br>
			<table>
			<tr>
				<td>
			<p align="center"> Search by Location aims to compute and get the closest hospital from a certain
location in the map.
			<p align="center"> Search by Category aims to provide a hospital out of the categories made, either its
availability of a particular facility, specialty, or doctor's schedule.
			</td></tr></table><br><br><br><br><br><br><br><br><br><br><br><br>
			<p align="center"><font face="Verdana" size="1">   copyright2004. UPM.
<a href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
			</font><br>
		</td>
		</tr>
</font>
</table>
</center>
</body>
</html>
```

```
<?
	function getCityList()
	{
		$get_cities = mysql_query("SELECT DISTINCT City FROM streetlocation");
		for($i = 0; $i < mysql_num_rows($get_cities); $i++)
		{
			$data = mysql_fetch_array($get_cities);
			echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
		}
	}
?>

// search2.php
<?
	require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="./images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="30%">  
		<a href="./index.php" class="main"><b>Home</b></a>
		   |    
		<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
		   |    
		<a href="./search.php" class="main"><b>Search</b></a>
		   |    
		<a href="./about.php" class=main><b>About NHSIS</b></a>    
		</td>
	</tr>
	<tr>
		<td width="5%" valign=top bgcolor=transparent><font face="Arial" size = "2">
		</td>
		<td background="./images/title.gif" style="background-repeat: no-repeat" valign="top">
		<br>
		<p class="title">Hospital Search</p>
		<form action="search2.php" method="post" name="queryForm">
		<table width="75%" border=1 bordercolor = #ffffff cellpadding = 4>
		<SCRIPT language="JavaScript" src="showList.js"></SCRIPT>
		<tr bgcolor = #EEEE99><td colspan = 3>
		<b>Location</b>
		</td></tr>
		<tr bgcolor=white>
			<td colspan = 3>
			City:
			<SELECT id = "s" name = "City">
			<? @getCityList(); ?>
			</SELECT>
			</td>
		</tr>
		<tr bgcolor = #EEEE99>
			<td colspan = 3>
			<b>Specialty/Facility</b>
			</td>
		</tr>
		<tr bgcolor = white>
			<td colspan=1>
			<b>Specialty: </b>
		<?
```

```
                        $get_spec = mysql_query("SELECT * FROM specialty GROUP By SpecCode");
                        if (isSet($SpecCode))
                                $value = $SpecCode;
                        echo "<SELECT name = 'SpecCode'>";
                        echo "<OPTION value=''> -- </OPTION>";
                        for($i = 0; $i < mysql_num_rows($get_spec); $i++)
                        {
                                $specList = mysql_fetch_array($get_spec);
                                if($value == $specList["SpecCode"])
                                {
                                        echo "<option value = '".$specList["SpecCode"]."' SELECTED>".
$specList["SpecName"]."</option>";
                                }
                                else
                                        echo "<option value = '".$specList["SpecCode"]."'>".
$specList["SpecName"]."</option>";
                        }
                ?>
                        </SELECT>
                        </td>
                        <td colspan=2>
                        <b>Facility: </b>
                        <?
                                $get_fac = mysql_query("SELECT * FROM facility GROUP BY FCode");
                                if (isSet($FCode))
                                        $value = $FCode;
                                echo "<SELECT name = 'FCode'>";
                                echo "<OPTION value=''> -- </OPTION>";
                                for($i = 0; $i < mysql_num_rows($get_fac); $i++)
                                {
                                        $facList = mysql_fetch_array($get_fac);
                                        if($value == $facList["FCode"])
                                        {
                                                echo "<option value = ".$facList["FCode"]." SELECTED>".
$facList["FName"]."</option>";
                                        }
                                        else
                                                echo "<option value = ".$facList["FCode"].">".
$facList["FName"]."</option>";
                                }
                        ?>
                        </SELECT>
                        </td>
                </tr>
                <tr>
                        <td bgcolor = #EEEE99 colspan=5>
                        <b>Doctor's Schedule</b>
                        </td>
                </tr>
                 <tr bgcolor = white>
                        <td><b>Day: </b>
                        <SELECT name="day">
                        <OPTION value=""> -- </OPTION>
<?
                        $days["M"] = "Monday";                          $days["T"] = "Tuesday";
                        $days["W"] = "Wednesday";               $days["Th"] = "Thursday";
                        $days["F"] = "Friday";                          $days["Sat"] = "Saturday";
                        $days["Sun"] = "Sunday";

                        while(list($index, $name) = each($days))
                        {
                                if($day == $index)
                                        echo "<option value = '".$index."' SELECTED>".$name."</option>";
                                else
                                        echo "<option value = '".$index."'>".$name."</option>";
                        }

?>

                        </SELECT>
                        </td>
                        <td colspan=2><b>Time Start: </b>
                        <SELECT name="time">
                                <OPTION value=""> -- </OPTION>
<?
                        $times["8"] = "08:00";                  $times["9"] = "09:00";
```

```
                                $times["10"] = "10:00";                 $times["11"] = "11:00";
                                $times["12"] = "12:00";                 $times["1"] = "01:00";
                                $times["2"] = "02:00";                  $times["3"] = "03:00";
                                $times["4"] = "04:00";                  $times["5"] = "05:00";
                                $times["6"] = "06:00";                  $times["7"] = "07:00";

                                while(list($index, $name) = each($times))
                                {
                                        if($time == $index)
                                                echo "<option value = '".$index."' SELECTED>".$name."</option>";
                                        else
                                                echo "<option value = '".$index."'>".$name."</option>";
                                }

?>
                                </SELECT>
                                <SELECT name="am_pm">
                                        <OPTION value=""> -- </OPTION>
<?
                                        if($am_pm == "AM")
                                        {
                                                echo "<OPTION value = 'AM' SELECTED>AM</OPTION>";
                                                echo "<OPTION value = 'PM'>PM</OPTION>";
                                        }
                                        elseif($am_pm == "PM")
                                        {
                                                echo "<OPTION value = 'PM' SELECTED>PM</OPTION>";
                                                echo "<OPTION value = 'AM'>AM</OPTION>";
                                        }
                                        else
                                        {
                                                echo "<OPTION value = 'AM'>AM</OPTION>";
                                                echo "<OPTION value = 'PM'>PM</OPTION>";
                                        }
?>
                                </SELECT>
                                </td>
                        </tr>
                        <tr bgcolor = white>
                                <td colspan=3 align=center>
                                <input type=submit name=search value="Search for Hospital" class="button">
                                </td>
                        </tr>
                        </td></tr>
                        </table>
                        </form>
<?
                if(!empty($search))
                {
                        if(empty($SpecCode) && empty($FCode) && empty($day) && empty($time))
                                $query = "SELECT * FROM hospital WHERE hospital.city = '$City' ORDER BY
hospital.HName";
                        elseif(!empty($SpecCode) && empty($FCode) && empty($day) && empty($time))
                                $query = "SELECT * FROM hospital, specialty WHERE hospital.city = '$City' AND
hospital.HCode = specialty.HCode AND SpecCode = $SpecCode ORDER BY hospital.HName";
                        elseif(!empty($FCode) && empty($SpecCode) && empty($day) && empty($time))
                                $query = "SELECT * FROM hospital, facility WHERE hospital.city = '$City' AND hospital.HCode
= facility.HCode AND facility.FCode = $FCode ORDER BY hospital.HName";
                        else
                        {
                                $query = "SELECT * FROM hospital, facility, specialty, schedule, doctor WHERE hospital.city
= '$City'";
                                $with = 0;
                                $q_string = "Hospitals ";
                                if(!empty($City))
                                        $q_string = $q_string."in the city $City";
                                if(!empty($FCode))
                                {
                                        $query = $query." AND";
                                        $query = $query." hospital.HCode = facility.HCode AND facility.FCode = $FCode";
                                        if($with == 0)
                                        {
                                                $q_string = $q_string." with ";
                                                $with++;
                                        }
                                        $q1 = mysql_query("SELECT * FROM facility WHERE FCode = $FCode");
```

```
                                        $list = mysql_fetch_array($q1);
                                        $FName = $list["FName"];
                                        $q_string = $q_string."facility ".$FName.", ";
                                }

                                if(!empty($SpecCode))
                                {
                                        $query = $query." AND";
                                        $query = $query." hospital.HCode = specialty.HCode AND SpecCode =
$SpecCode";
                                        if($with == 0)
                                        {
                                                $q_string = $q_string." with ";
                                                $with++;
                                        }
                                        $q1 = mysql_query("SELECT * FROM specialty WHERE SpecCode = $SpecCode");
                                        $list = mysql_fetch_array($q1);
                                        $SpecName = $list["SpecName"];
                                        $q_string = $q_string."specialty ".$SpecName.", ";
                                }

                                if(!empty($day))
                                {
                                        $query = $query." AND";
                                        $query = $query." hospital.HCode = doctor.HCode AND doctor.ID = schedule.ID
AND schedule.Day = '$day'";
                                        if($with == 0)
                                        {
                                                $q_string = $q_string." with ";
                                                $with++;
                                        }

                                        $d["M"] = "Monday";                             $d["T"] = "Tuesday";
                                        $d["W"] = "Wednesday";                  $d["Th"] = "Thursday";
                                        $d["F"] = "Friday";                     $d["Sat"] = "Saturday";
                                        $d["Sun"] = "Sunday";

                                        while(list($index, $name) = each($d))
                                        {
                                                if($day == $index)
                                                {
                                                        $q_string = $q_string."day ".$name.", ";
                                                        break;
                                                }
                                        }
                                }

                                if(!empty($time))
                                {
                                        if($with == 0)
                                        {
                                                $q_string = $q_string." with ";
                                                $with++;
                                        }
                                        $time = getMilitaryTime($time, $am_pm);

                                        $q_string = $q_string."time ".dispTime($time).", ";
                                        $query = $query." AND";
                                        $query = $query." hospital.HCode = doctor.HCode AND doctor.ID = schedule.ID
AND $time >= schedule.TimeStart AND $time <= schedule.TimeEnd ";
                                }

                                if(!empty($day) || !empty($time))
                                {
                                        $query = $query." GROUP BY schedule.SID ORDER BY hospital.HName";
                                }
                                else
                                        $query = $query." GROUP BY hospital.HCode ORDER BY hospital.HName";
                        }
                        $hosp_query = mysql_query($query);

                        echo "<br><b><div style = 'color: #3333AA; background-color: white; width = 75%'>".
$q_string."</b></div>";
                        if(@mysql_num_rows($hosp_query) == 0)
                        {
                                echo "<DIV class='white' style='width: 75%'><b>   0 results.</b></DIV>";
```

```
                    }
                    else
                    {
?>
                                <b><DIV class='white' style='width: 75%'>Found <? echo
mysql_num_rows($hosp_query) ?> match(es)    <?//Ordered by Distance (Nearest to Farthest)?></div></b><br>

<?
                                if(!empty($day) || !empty($time))
                                {
                                        echo "<table width = 90% border = '1' bordercolor = #ffffff cellpadding = 4>";
                                        echo "<th>Hospital</th><th>Address</th><th>Tel. No.</th>";
                                        echo "<th>Doctor</th><th>Schedule</th>";
                                }
                                else
                                {

?>
                                <table width="75%" border='1' bordercolor = #ffffff cellpadding = 4>
                                <th>Hospital</th>
                                <th>Address</th>
                                <th>Tel. No.</th>
<?
                                }
                                $schedID = array();
                                $mycount = 0;
                                for($i = 0; $i < mysql_num_rows($hosp_query); $i++)
                                {
                                        $hospList = mysql_fetch_array($hosp_query);
                                        $name = $hospList["HName"];
                                        if(!empty($day) || !empty($time))
                                        {
                                                if(!in_array($hospList["SID"], $schedID))
                                                        $schedID[$i] = $hospList["SID"];
                                        }

                                        $get = mysql_query("SELECT HCode FROM hospital WHERE HName = '$name'");
                                        $code = mysql_fetch_row($get);
                                        $gotList[$mycount] = $code[0];
                                        $mycount++;
                                }
                                        $cnt = 0;

                                foreach($gotList as $code)
                                {
                                        $query = "SELECT * FROM hospital WHERE HCode = '$code'";
                                        $result = mysql_query ($query);

                                        $mindist = 0;

                                        if ($myrow = mysql_fetch_array($result))
                                        {
                                        do
                                        {
                                                //echo("<br>HCode =".$myrow["HCode"]."   Hospital Name
= ".$myrow["HName"]."   X-Coor = ".$myrow["X"]."  Y-Coor = ".$myrow["Y"]);
                                                $distance = sqrt((($myX - $myrow["X"])*($myX - $myrow["X"])) +
(($myY - $myrow["Y"])*($myY - $myrow["Y"])));
                                                                if($mindist == 0 )
                                                                {
                                                                        $mindist = $distance;
                                                                        $nhcode = $myrow["HCode"];
                                                                        $distances[$nhcode] = $distance;
                                                                }
                                                                else
                                                                {
                                                                        if ($distance < $mindist)
                                                                        {
                                                                                $mindist = $distance;
                                                                                $nhcode = $myrow["HCode"];
                                                                                $distances[$nhcode] =
$distance;

                                                                        }
                                                                }
                                                $cnt++;
                                        }while ($myrow = mysql_fetch_array($result));
```

```
                        }
                }
                //asort($distances);
                if(!empty($day) || !empty($time))
                {

                        while((list($theCode, $dist) = each ($distances)))
                        {
                                foreach($schedID as $sched)
                                {
                                        $query = "SELECT * FROM hospital, doctor, schedule WHERE
hospital.HCode = doctor.HCode AND doctor.HCode = '$theCode' AND schedule.ID = doctor.ID AND schedule.SID = $sched
GROUP BY schedule.SID";
                                        $result2 = mysql_query($query);
                                        if(mysql_num_rows($result2) > 0)
                                        {
                                                $hospList2 = mysql_fetch_array($result2);
                                                echo "<TR bgcolor=white>";
                                                echo "<TD align=center><font size='2'>";
                                                echo $hospList2["HName"]."</TD>";
                                                echo "<TD width='45%' align=center><font
size='2'>".$hospList2["ENo"]." ". $hospList2["StreetName"].", ".
$hospList2["City"]."</font></center></TD>";
                                                echo "<TD align=center><font size='2'>";
                                                echo $hospList2["TelNo"]."</TD>";
                                                echo "<TD align=center><font size='2'>";
                                                echo $hospList2["DLName"].", ".
$hospList2["DFName"]."</TD>";
                                                echo "<TD align=center><font size='2'>";

                                                $time1 = $hospList2["TimeStart"];
                                                $time2 = $hospList2["TimeEnd"];
                                                $ampm1 = "AM";
                                                $ampm2 = "AM";
                                                if($hospList2["TimeStart"] == 0)
                                                {
                                                        $time1 = 12;
                                                }
                                                if($hospList2["TimeEnd"] == 0)
                                                {
                                                        $time2 = 12;
                                                }
                                                if($hospList2["TimeStart"] >= 12)
                                                {
                                                        $ampm1 = "PM";
                                                        if($hospList2["TimeStart"] > 12)
                                                                $time1 =
$hospList2["TimeStart"] - 12;
                                                }
                                                if($hospList2["TimeEnd"] >= 12)
                                                {
                                                        $ampm2 = "PM";
                                                        if($hospList2["TimeEnd"] > 12)
                                                                $time2 = $hospList2["TimeEnd"]
- 12;
                                                }
                                                echo $hospList2["day"].", ".$time1." ".$ampm1." - ".
$time2." ".$ampm2."</TD>";
                                        }
                                }
                        }
                }
                else
                {
                        while((list($theCode, $dist) = each ($distances)))
                        {
                                $result = mysql_query("SELECT * FROM hospital WHERE HCode =
'$theCode'");
                                $hospList = mysql_fetch_array($result);
                                echo "<TR bgcolor=white>";
                                echo "<TD align=center><font size='2'>";
                                echo $hospList["HName"]."</TD>";
                                echo "<TD width='45%' align=center><font size='2'>".
$hospList["ENo"]." ". $hospList["StreetName"].", ". $hospList["City"]."</font></center></TD>";
                                echo "<TD align=center><font size='2'>";
                                echo $hospList["TelNo"]."</TD>";
```

```
                                        }
                                }
                                echo "</tr></table>";
                        }
                }
?>

                        <br><br><br><br><br>     <br><br>
                        <left><font face="Verdana" size="1">&amp;nbsp;&amp;nbsp;&amp;nbsp;&amp;nbsp;copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                        </font><br>
                </td>
                </tr>
</font>
</table>
</center>
</body>
</html>

<?
                function getCityList()
                {
                        // function for getting available list of cities from the database
                        $get_cities = mysql_query("SELECT DISTINCT City FROM hospital");
                        for($i = 0; $i < mysql_num_rows($get_cities); $i++)
                        {
                                $data = mysql_fetch_array($get_cities);
                                if (!empty($data["City"]))
                                        echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
                        }
                }

                function getMilitaryTime($time, $am_pm)
                {
                        // function for converting the format of the time to military time for comparison purposes
                        if($am_pm == "PM")
                        {
                                $time_trimmed = $time + 12;
                        }
                   elseif(($am_pm == "AM") && ($time == "12")) $time_trimmed = "0";

                        else
                                $time_trimmed = $time;
                        return $time_trimmed;
                }

                function dispTime($time)
                {
                        // function for converting the format of the time to military time for comparison purposes
                        if($time >= 12)
                        {
                                if($time > 12)
                                        $time = $time - 12;
                                $time = $time." PM";
                        }
                        else
                                $time = $time." AM";
                        return $time;
                }
?>

// showTextBox.js

// create textbox on select box click
var currDivObj1 = null;
var currDivObj2 = null;

function changeDIV1(selObj)
{
        var divObj;
        selValue = selObj.options[selObj.selectedIndex].value;
        if(document.all)
                divObj = eval("window.div" + selValue);
        else
                divObj = document.layers["div" + selValue];
        if(document.all)
```

```
	{
		if(currDivObj1)
		{
			currDivObj1.style.display = "none";
		}
		divObj.style.display = "block";
	}
	else
	{
		if(currDivObj1)
		{
			currDivObj1.display = "none";
		}
		divObj.display = "block";
	}
	currDivObj1 = divObj;
}

function changeDIV2(selObj)
{
	var divObj;
	selValue = selObj.options[selObj.selectedIndex].value;
	if(document.all)
		divObj = eval("window.div" + selValue);
	else
		divObj = document.layers["div" + selValue];
	if(document.all)
	{
		if(currDivObj2)
		{
			currDivObj2.style.display = "none";
		}
		divObj.style.display = "block";
	}
	else
	{
		if(currDivObj2)
		{
			currDivObj2.display = "none";
		}
		divObj.display = "block";
	}
	currDivObj2 = divObj;
}

function removeBox(num)
{
	if(num == 1)
		currDivObj1.style.display = "none";
	if(num == 2)
		currDivObj2.style.display = "none";
}

// view-gen.php
<html>
<head>
<title> Hospital List</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="./images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="60%">&amp;nbsp;&amp;nbsp;
```

```
                    <a href="./index.php" class="main"><b>Home</b></a>
                    &amp;nbsp;&amp;nbsp; | &amp;nbsp; &amp;nbsp;
                    <a href="./search.php" class="main"><b>Search</b></a>
                    &amp;nbsp;&amp;nbsp; | &amp;nbsp; &amp;nbsp;
                    <a href="./about.php" class=main><b>About NHSIS</b></a>&amp;nbsp;&amp;nbsp;&amp;nbsp;&amp;nbsp;
                    </td>
          </tr>
          <tr>
                    <td width="100%" colspan=3 align="center"><font face="Verdana" size = "2">
                    &amp;nbsp;&amp;nbsp;&amp;nbsp;&amp;nbsp;&amp;nbsp;
                    <p align="center"><b>Hospital Lists</b></p><center>
                              <a href="view-gen.php?id1=a&amp;amp;id2=b&amp;amp;id3=c" class="alpha">A-C</A>&amp;nbsp;
                              <a href="view-gen.php?id1=d&amp;amp;id2=e&amp;amp;id3=f" class="alpha">D-F</A>&amp;nbsp;
                              <a href="view-gen.php?id1=g&amp;amp;id2=h&amp;amp;id3=i" class="alpha">G-I</A>&amp;nbsp;
                              <a href="view-gen.php?id1=j&amp;amp;id2=k&amp;amp;id3=l" class="alpha">J-L</A>&amp;nbsp;
                              <a href="view-gen.php?id1=m&amp;amp;id2=n&amp;amp;id3=o" class="alpha">M-O</A>&amp;nbsp;
                              <a href="view-gen.php?id1=p&amp;amp;id2=q&amp;amp;id3=r" class="alpha">P-R</A>&amp;nbsp;
                              <a href="view-gen.php?id1=s&amp;amp;id2=t&amp;amp;id3=u" class="alpha">S-U</A>&amp;nbsp;
                              <a href="view-gen.php?id1=v&amp;amp;id2=w&amp;amp;id3=x" class="alpha">V-X</A>&amp;nbsp;
                              <a href="view-gen1.php?id1=y&amp;amp;id2=z&amp;amp;id3=z" class="alpha">Y-Z</A>&amp;nbsp;
                              <br><br>
<?
          if (!empty($id1))
          {
                    include "connect.php";
                    $query = mysql_query("SELECT * FROM hospital WHERE HName LIKE '$id1%' OR HName LIKE '$id2%'
OR HName LIKE '$id3%'");
                    if (@mysql_num_rows($query) < 1)
                              echo ("<br><br>0 results.");
                    else
                    {                   /*exit*/
?>
                              <CENTER>
                              <TABLE width="75%" border='1' bordercolor = #FFFFFF cellpadding = 4>
                              <TR><TH>Hospital Code</TH>
                                        <TH>Name</TH>
                                        <TH>Address</TH>
<?
                              for ($i = 0;$i < mysql_num_rows($query);$i++)
                              {
                                        $data = mysql_fetch_array($query);
                                        echo "<TR>";
                                        echo "<TD width='15%' align=center><font size='2'>".
$data["HCode"]."</font></TD>";
                                        echo "<TD align=center><font size='2'>";
                                        echo "<A href=./hospital/hosp-profile.php?HCodeUser=".$data["HCode"]."> ".
$data["HName"]."</A></font></center></TD>";
                                        echo "<TD width='45%'><font size='2'>".
$data["CompAddress"]."</font></center></TD>";
                                        echo "</TR>";
                              }
                                        echo "</TABLE>";
                    }
          }
?>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font><br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// view-gen1.php
<html>
<head>
<title> Hospital List</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
```

```
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="./images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="60%">  
		<a href="./index.php" class="main"><b>Home</b></a>
		   |    
		<a href="./search.php" class="main"><b>Search</b></a>
		   |    
		<a href="./about.php" class=main><b>About NHSIS</b></a>    
		</td>
	</tr>
	<tr>
		<td width="100%" colspan=3 align="center"><font face="Verdana" size = "2">
		     
		<p align="center"><b>Hospital Lists</b></p><center>
			<a href="view-gen1.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
			<a href="view-gen1.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
			<a href="view-gen1.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
			<a href="view-gen1.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
			<a href="view-gen1.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
			<a href="view-gen1.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
			<a href="view-gen1.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
			<a href="view-gen1.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
			<a href="view-gen1.php?id1=y&amp;id2=z&amp;id3=z" class="alpha">Y-Z</A> 
			<br><br>
<?
	if (!empty($id1))
	{
		include "connect.php";
		$query = mysql_query("SELECT * FROM hospital WHERE HName LIKE '$id1%' OR HName LIKE '$id2%'
OR HName LIKE '$id3%'");
		if (@mysql_num_rows($query) < 1)
			echo ("<br><br>0 results.");
		else
		{		/*exit*/
?>
			<CENTER>
			<TABLE width="75%" border='1' bordercolor = #FFFFFF cellpadding = 4>
			<TR><TH>Hospital Code</TH>
				<TH>Name</TH>
				<TH>Address</TH>
<?
			for ($i = 0;$i < mysql_num_rows($query);$i++)
			{
				$data = mysql_fetch_array($query);
				echo "<TR>";
				echo "<TD width='15%' align=center><font size='2'>".
$data["HCode"]."</font></TD>";
				echo "<TD align=center><font size='2'>";
				echo "<A href=/nhsis/hosp-prof.php?HCode=".$data["HCode"]."> ".
$data["HName"]."</A></font></center></TD>";
			//	echo "<TD width='45%'><font size='2'>".
$data["CompAddress"]."</font></center></TD>";
			echo "<TD width='45%' align=center><font size='2'>".$data["ENo"]." ".
$data["StreetName"].", ". $data["City"]."</font></center></TD>";
				echo "</TR>";
			}
				echo "</TABLE>";
		}
	}
?>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font><br>
</td>
  </font>
```

```
  </table>
</center>
</body>
</html>

// view-map.php
<?
	require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="./images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="90%">  
		<a href="./index.php" class="main"><b>Home</b></a>
		   |    
		<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
		   |    
		<a href="./search.php" class="main"><b>Search</b></a>
		   |    
		<a href="./about.php" class=main><b>About NHSIS</b></a>    
		</td>
	</tr>
	<tr>
<script language="JavaScript1.2">

var zoomFactor = 3 //Enter factor (1=100%)
var ImgArray = new Array("./images/metromanila0_map.gif", "./images/metromanila1_map.gif",
"./images/metromanila2_map.gif", "./images/metromanila3_map.gif", "./images/metromanila4_map.gif",
"./images/metromanila5_map.gif");

function zoom(state)
{
	if(state == 'in' && zoomFactor < 5)
	{
		zoomFactor++;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		//document.images.metromanila.style.useMap = "map1";
		changeImg(zoomFactor-1, zoomFactor);
	}
	if(state == 'restore')
	{
		old = zoomFactor;
		zoomFactor = 3;
		changeImg(old, zoomFactor);
	}

	if(state == 'out' && zoomFactor > 1)
	{
		zoomFactor--;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		changeImg(zoomFactor+1, zoomFactor);
	}
	return;
}

function changeImg(id_1, id_2)
{
	obj1 = document.getElementById(id_1);
```

```
		obj2 = document.getElementById(id_2);
		if(obj1.style.display != "none" )
			obj1.style.display = "none";	// set previous object to invisible mode
		obj2.style.display = "inline";		// set new object to visible mode
}

</script>
		<td background="./images/title.gif" style="background-repeat: no-repeat" valign = "top" colspan = 2>
		<br>
		<p class="title" align = center>Hospital Search</p>
		 <center>
		<table><tr><tr><td align="center" class="inst"><b> INSTRUCTIONS: </b><br>
				<b>1.</b> Click on the Metro Manila map the city or town u want to enter. (eg. Manila)
</td></tr>
		</table><br>
		<table border=0 bgcolor=white>
		<tr>
			<td>
			<div style="background-color:#FFFFCC"><b>Map Control</b></div><br>
			<div style="background-color:#FFFFFF">
			<a href="#" onClick="zoom('in')">Zoom In</a> |
			<a href="#" onClick="zoom('restore')">Normal</a> |
			<a href="#" onClick="zoom('out')">Zoom Out</a>
			</div>
			</td>
		</tr>
		</table>
		<table border=0>
		<tr>
			<td align=center>
			<map name="map1">
			<area href="view-map2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="93, 236, 108, 234,
133, 218, 145, 198, 107, 169, 108, 159, 82, 155, 79, 148, 72, 149, 66, 156, 57, 156, 53, 163, 61, 183, 52, 184, 68,
212">
			</map>
			<map name="map2">
			<area href="view-map2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="122, 317, 144, 314,
155, 305, 179, 291, 183, 278, 195, 267, 141, 226, 142, 213, 95, 213, 86, 214, 74, 214, 69, 223, 80, 248, 70, 247, 92,
284, 122, 312, 123, 313">
			</map>
			<map name="map3">
			<area href="view-map2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="92, 268, 121, 273,
126, 260, 137, 266, 160, 265, 167, 267, 176, 267, 177, 286, 244, 334, 242, 339, 230, 350, 226, 361, 174, 394, 156, 392,
117, 354, 86, 308, 102, 309, 87, 275">
			</map>
			<map name="map4">
			<area href="view-map2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="212, 324, 206, 342,
291, 401, 294, 406, 277, 418, 271, 434, 211, 471, 190, 473, 185, 471, 144, 428, 103, 376, 122, 372, 106, 331, 113, 316,
139, 325, 150, 315, 162, 323, 184, 319, 195, 319">
			</map>
			<map name="map5">
			<area href="view-map2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="133, 367, 156, 377,
164, 352, 189, 375, 219, 371, 245, 377, 241, 397, 340, 471, 335, 480, 320, 489, 316, 509, 249, 550, 231, 553, 214, 547,
161, 498, 118, 438, 118, 434, 141, 435, 118, 388">
			</map>

			<img id = 1 name="metromanila" src="./images/metromanila1_map.gif" border=1 usemap="#map1"
style = "display: none">
			<img id = 2 name="metromanila" src="./images/metromanila2_map.gif" border=1 usemap="#map2"
style = "display: none">
			<img id = 3 name="metromanila" src="./images/metromanila3_map.gif" border=1 usemap="#map3"
style = "display: inline">
			<img id = 4 name="metromanila" src="./images/metromanila4_map.gif" border=1 usemap="#map4"
style = "display: none">
			<img id = 5 name="metromanila" src="./images/metromanila5_map.gif" border=1 usemap="#map5"
style = "display: none">
			</td>
		</tr>
		</table>

		<br><br><br><br><br><br><br>
		<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font><br>
		</td>
		</font>
```

```
		</table>
		</center>
</body>
</html>

// view-map2.php
<?
		require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
		<tr>
			<td width="80%" colspan="3" align=center>
			<img src="./images/nhsis.gif">
			</td>
		</tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
		<tr bgcolor=#FFFFCC>
			<td><font face="Arial" size = "2" align=center color="#2266BB">
			<b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
			</font>
			</td>
			<td align="right" width="90%">  
			<a href="./index.php" class="main"><b>Home</b></a>
			   |    
			<a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
			   |    
			<a href="./search.php" class="main"><b>Search</b></a>
			   |    
			<a href="./about.php" class=main><b>About NHSIS</b></a>    
			</td>
		</tr>
		<tr>
<script language="JavaScript1.2">

var zoomFactor = 3 //Enter factor (1=100%)

function zoom(state)
{
		if(state == 'in' && zoomFactor < 5)
		{
			zoomFactor++;
			changeImg(zoomFactor-1, zoomFactor);
		}
		if(state == 'restore')
		{
			old = zoomFactor;
			zoomFactor = 3;
			changeImg(old, zoomFactor);
		}

		if(state == 'out' && zoomFactor > 1)
		{
			zoomFactor--;
			changeImg(zoomFactor+1, zoomFactor);
		}
		return;
}

function changeImg(id_1, id_2)
{
		obj1 = document.getElementById(id_1);
		obj2 = document.getElementById(id_2);
		if(obj1.style.display != "none" )
			obj1.style.display = "none";   // set previous object to invisible mode
		obj2.style.display = "inline";              // set new object to visible mode
}
```

```
</script>
<td background="./images/title.gif" style="background-repeat: no-repeat" valign = "top" colspan = 2>
	<br>
	<p class="title" align = center>Hospital Search</p>
	 <center>
	 <table><tr><tr><td align="center" class="inst">
				<b>2.</b> Manila map is comprised of 6 image maps.<br>  
				    Click the image where you can locate your<br>
				position in the map.
				<p><td>
				<ul type="square">  <b>LEGEND: </b>(from top-left to bottom-right)
				<li>Image 1: Tondo and Recto areas</li>
				<li>Image 2: Sampaloc, Sta. Cruz and Quaipo areas</li>
				<li>Image 3: Sampaloc and Sta. Mesa areas</li>
				<li>Image 4: Bonondo and Intramuros areas </li>
				<li>Image 5: San MIguel, Pandacan and Paco areas</li>
				<li>Image 6: Pandacan and Sta. Ana areas</li>
				</ul></td>
				</td></tr>
	</table><br>
	<table border=0>
	<tr>
		<td align=center>
		<p><map name="FPMap0">
		<?echo "<area href='view-map3.php?
pic=manila1.gif&amp;step2X=0&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon' coords='13,
48, 69, 21, 142, 9, 188, 8, 187, 303, 13, 302, 0, 213'>";
		 echo "<area href='view-map3.php?
pic=manila2.gif&amp;step2X=1&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='188, 7, 388, 4, 388, 304, 190, 303'>";
		 echo "<area href='view-map3.php?
pic=manila3.gif&amp;step2X=2&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='532, 301, 564, 247, 577, 155, 585, 68, 565, 22, 393, 5, 392, 302'>";
		 echo "<area href='view-map3.php?
pic=manila4.gif&amp;step2X=0&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon' coords='11,
304, 37, 415, 164, 606, 165, 306'>";
		 echo "<area href='view-map3.php?
pic=manila5.gif&amp;step2X=1&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='168, 305, 339, 305, 338, 605, 167, 606'>";
		 echo "<area href='view-map3.php?
pic=manila6.gif&amp;step2X=2&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='341, 307, 531, 306, 537, 470, 519, 565, 351, 729, 341, 597'>";
		 ?>
		 </map>
		 <img border="1" src="./images/manila_map.gif" usemap="#FPMap0" width="586"
height="730"></p>
		 </td>
	</tr>
	</table>

	<br><br><br><br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font><br>
	</td>
	</font>
	</table>
	</center>
</body>
</html>

// view-map3.php
<?
	require "connect.php";
?>
<html>
<head>
<title> Nearest Hospital Search</title>
<link href = "mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
```

```
                    <img src="./images/nhsis.gif">
                    </td>
          </tr>
</table>
<table width=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88 rules=rows>
          <tr bgcolor=#FFFFCC>
                    <td><font face="Arial" size = "2" align=center color="#2266BB">
                    <b><SCRIPT language="JavaScript" src="date.js"></SCRIPT></b>
                    </font>
                    </td>
                    <td align="right" width="90%">  
                    <a href="./index.php" class="main"><b>Home</b></a>
                       |    
                    <a href="./view-gen1.php" class="main"><b>View Hospital Lists</b></a>
                       |    
                    <a href="./search.php" class="main"><b>Search</b></a>
                       |    
                    <a href="./about.php" class=main><b>About NHSIS</b></a>    
                    </td>
          </tr>
          <tr>
<script language="JavaScript1.2">

var zoomFactor = 3 //Enter factor (1=100%)

function zoom(state)
{
          if(state == 'in' && zoomFactor < 5)
          {
                    zoomFactor++;
                    changeImg(zoomFactor-1, zoomFactor);
          }
          if(state == 'restore')
          {
                    old = zoomFactor;
                    zoomFactor = 3;
                    changeImg(old, zoomFactor);
          }

          if(state == 'out' && zoomFactor > 1)
          {
                    zoomFactor--;
                    changeImg(zoomFactor+1, zoomFactor);
          }
          return;
}

function changeImg(id_1, id_2)
{
          obj1 = document.getElementById(id_1);
          obj2 = document.getElementById(id_2);
          if(obj1.style.display != "none" )
                    obj1.style.display = "none";    // set previous object to invisible mode
          obj2.style.display = "inline";               // set new object to visible mode
}

stepsize1_X = 2502;            // x interval for metro manila
stepsize1_Y = 2310;   // y interval for metro manila
stepsize2_X = 834;    // x interval for city
stepsize2_Y = 1155;  // y interval for city

function hereIam()
{
  locX=event.offsetX;
  locY=event.offsetY;

  s1X = document.hidden.step1X.value;
  s1Y = document.hidden.step1Y.value;
  s2X = document.hidden.step2X.value;
  s2Y = document.hidden.step2Y.value;

  prev_x_coor = s1X*stepsize1_X+s2X*stepsize2_X;
  prev_y_coor = s1Y*stepsize1_Y+s2Y*stepsize2_Y;

  document.all.myX.value = locX+prev_x_coor;
  document.all.myY.value = locY+prev_y_coor;
```

```
  document.myform.submit();

}
</script>
<form name="hidden" method="post" action="sys-add3.php">
                    <input type="hidden" name="step1X" value="<?echo $step1X; ?>">
                    <input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
                    <input type="hidden" name="step2X" value="<?echo $step2X; ?>">
                    <input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
                    </form>
<tr>
          <td background="./images/title.gif" style="background-repeat: no-repeat" valign = "top" colspan = 2>
          <br>
          <p class="title" align = center>Hospital Search</p>
           <center>
          <table><tr><tr><td align="center" class="inst">
                              <b>3.</b> Locate your position in the map and click to determine which
                              <br>        
                     is the closest hospital in your area including its information. </td></tr>
          </table><br><br>
          <table border=0>
          <tr>
                    <td align=center>
                    <p><map name="FPMap0">
                    <area href="view-map3.php" shape="polygon" coords="13, 48, 69, 21, 142, 9, 188, 8, 187, 303, 13,
302, 0, 213">
                    <area href="view-map3.php" shape="polygon" coords="188, 7, 388, 4, 388, 304, 190, 303">
                    <area href="view-map3.php" shape="polygon" coords="532, 301, 564, 247, 577, 155, 585, 68, 565,
22, 393, 5, 392, 302">
                    <area href="view-map3.php" shape="polygon" coords="11, 304, 37, 415, 164, 606, 165, 306">
                    <area href="view-map3.php" shape="polygon" coords="168, 305, 339, 305, 338, 605, 167, 606">
                    <area href="view-map3.php" shape="polygon" coords="341, 307, 531, 306, 537, 470, 519, 565, 351,
729, 341, 597">
                    </map>
<?
                    echo       "<img border=1 src='./images/".$pic."' onclick='hereIam()'></p>";
?>

                    <form name="myform" method="post" action="meybs.php">
                    <input type="hidden" name="myX">
                    <input type="hidden" name="myY">
                    <? echo "<input type= 'hidden' name='pic' value=$pic>"; ?>
                    </form>
                    </td>
          </tr>
          </table>
          <br><br><b><A href = view-map2.php onClick = 'history.go(-1)'>Back</a></b>
          <br><br><br><br><br><br><br>
          <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
          </font><br>
          </td>
          </font>
          </table>
          </center>
</body>
</html>

// add-doc.php
<?
          require "../header/hospital.php";
?>

          <p align="center" class="title"><b>Add Doctor</b></p>
          <font face="Verdana" size = "2">
          <center>
   <A href="edit-doc.php">Edit Doctor</A>     
   <A href="del-doc.php">Delete Doctor</A>  
<?php
          if (empty($submit))
          {
?>
          <script language = JavaScript>
          function chkDoc()
          {
```

```
                    if(document.addDoc.ID.value.length == 0 || document.addDoc.DLName.value.length == 0 ||
document.addDoc.DFName.value.length == 0)
                    {
                    alert("Input doctor code, firstname and last name.");
                    return false;
                    }
          return true;
          }
          </script>

                    <script language = JavaScipt src = form.js></script>
                    <FORM METHOD="post" ACTION="add-doc.php" name="addDoc" onSubmit = "return chkDoc()";>
                    <center>
                    <table width=95% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                              <tr>
                              <td>Doctor Code:</td>
                              <td colspan=3><INPUT TYPE="text" NAME="ID" size="25"></td>
                    </tr>
                    <tr>
                              <td>Doctor's First Name:</td>
                              <td colspan=3><INPUT TYPE="text" NAME="DFName" size="25"></td>
                    </tr>
                    <tr>
                              <td>Doctor's Last Name:</td>
                              <td colspan=3><INPUT TYPE="text" NAME="DLName" size="25"></td>
                    </tr>
                              <tr>
                                        <td colspan=2 align=center>  <input type="submit" VALUE="Add"
NAME= "submit" CLASS = "button">   
           <input type="button" value="Cancel" class="button" onClick="document.location='view-doclist1.php'"></td>
                              </tr>
                    </table>
                    </FORM>
<?
          }
          else
          {
                    include "../connect.php";
                    // checks if doctor is existing already
                    $check_sql = mysql_query("SELECT * FROM doctor WHERE ID = '$ID' AND HCode = '$HCodeUser';");

                    if (@mysql_num_rows($check_sql) !=  0 )
                    {
                              echo("<center><br>Doctor already existing.<br><br><a href = add-doc.php onClick =
'history.go(-1)'>Back</a></center>");
                    }
                    else
                    {  //echo $ID, $HCodeUser, $DFName, $DLName;
                              // inserts doctor info

                              $result = mysql_query("INSERT INTO doctor VALUES
('$ID','$HCodeUser','$DFName','$DLName')");
                               if ($result)
                              echo ("<center><br>Doctor added.<br><br><a href = add-doc.php onClick = 'history.go(-
1)'>Back</a></center>");
                              else
                                        echo ("<center><br>Doctor is not inserted.<br><br><a href = add-doc.php
onClick = 'history.go(-1)'>Back</a></center>");
                    }
          }
?>
          <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
          <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
          </font><br>
          </td>
          </font>
          </table>
          </center>
</body>
</html>

// add-fac.php
<?
          require "../header/hospital.php";
```

```
		include "../connect.php";
?>
		<p class="title"><b>Add Facility</b></p>
		<div align="center">
		<A href="edit-fac.php">Edit Facility</A>  </div>
		<center>
<?

if (empty ($submit))
{
		echo "<form action='add-fac.php' method=post>";
		echo "<br><a href='new-fac.php'><b><div align='center'>Register New Facility</b></a></div>";

		// get those from this hospital
		$chk_hcode = mysql_query ("SELECT * FROM facility WHERE HCode = '$HCodeUser'");

		// $query is the query for getting all facilities not present in the hospital
		// it will be called later
		$query = "SELECT * FROM facility WHERE HCode != '$HCodeUser'";

		for ($i = 0; $i < @mysql_num_rows($chk_hcode); $i++)
		{
			$hosp_data = mysql_fetch_array($chk_hcode);
			$code = $hosp_data["FCode"];
			$codes[$i] = $hosp_data["FCode"];
			$query = $query." AND FCode != '$code'";
		}
		$query = $query." GROUP BY FCode ORDER BY FName";

		// get those facilities which are not present in the hospital
		$chk_fac = mysql_query($query);
		if (@mysql_num_rows($chk_fac) > 0)
		{
			echo"<br>";
			echo "<table border=1 cellpadding=4 bordercolor=#FFFFFF width = 70%>";
			echo "<tr><td bgcolor=#EEEE99><b>Other Registered Facilities</b></td></tr>";
			for ($i = 0; $i < @mysql_num_rows($chk_fac); $i++)
			{
				$data = mysql_fetch_array($chk_fac);
				$code = $data["FCode"];
				echo "<tr><td bgcolor=white><input type = 'checkbox' value = '$code' name =
'FCode[]'>  ".$data["FName"]."</td></tr>";
			}
			echo "<tr><td align=center><input type =submit name='submit' value=Add Facility
class='button'></center></td></tr>";
				echo "</table>";
		}


		echo "</form>";

}
else
{
			foreach($FCode as $fac)
			{
				echo "<br><br>";
				// checks if facility is existing already
				$check_sql = mysql_query("SELECT * FROM facility WHERE FCode = '$fac' AND HCode =
'$HCodeUser'");
				if (@mysql_num_rows($check_sql) !=  0 )
				{
					echo ("<center><br><b>Facility already existing.</b><BR><a href ='add-
fac.php' onClick = 'history.go(-1)'>Back</a></center>");
				}
				else
				{
					// get facility name first
					$get_name = mysql_query("SELECT DISTINCT FName FROM facility WHERE FCode
= '$fac'");
					$data = mysql_fetch_row($get_name);
					$FName = $data[0];
					if(empty($Number))
						$Number = 1;	// set default number to one

					// inserts facility info
```

```
                                        $insert_sql = mysql_query("INSERT INTO facility VALUES('$fac', '$HCodeUser',
'$FName', '$Number')");

                                        // check if facility was inserted
                                        if (mysql_affected_rows($connect) < 1)
                                                echo ("<center><b>$FName not added.</b></center>");
                                        else
                                                echo ("<center><b>$FName added.</b></center>");
                                        }
                        }
                        echo("<br><br><a href = add-fac.php onClick = 'history.go(-1)'>Back to Add
Facility</a></center>");
}
?>
                        <br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
                        <center><font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                        </font><br>
                </td>
                </tr>
</font>
</table>
</center>
</body>
</html>

// add-sched.php
<?
        require "../header/hospital.php";
?>
        <p align="center" class="title"><b>Add Schedule</b></p>
        <font face="Verdana" size = "2">

<?php
        if (empty($submit))
        {
?>
                        <script language = JavaScipt src = form.js></script>
                        <FORM METHOD="post" ACTION="add-sched.php" onSubmit = "return chkForm()";>
                        <center>
                        <table width=95% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                        <tr>
                                <td>Doctor Code:</td>
                                <td colspan=3><INPUT TYPE="text" NAME="ID" value="<?echo $ID;?>" size="25"></td>
                        </tr>
                                <tr>
                                <td colspan=3>Schedule:</td><br><br>
                        </tr>
                        <tr>
                                <td>Day:
                                <SELECT NAME="day" multiple>
                                <option value="M"> M
                                <option value="T"> T
                                <option value="W"> W
                                <option value="Th"> Th
                                <option value="F"> F
                                <option value="Sat"> Sat
                                <option value="Sun"> Sun
                                </SELECT> 
                                 </td>

                                <td>Time:
                                <SELECT NAME="TimeStart" multiple>
                                <option value="7">  7:00
                                <option value="8">  8:00
                                <option value="9">  9:00
                                <option value="10"> 10:00
                                <option value="11"> 11:00
                                <option value="12"> 12:00
                                <option value="1">  1:00
                                <option value="2">  2:00
                                <option value="3">  3:00
                                <option value="4">  4:00
                                <option value="5">  5:00
                                <option value="6">  6:00
```

```
                                </SELECT>
                                <SELECT name="ampm1">
                                        <option value="AM">AM
                                        <option value="PM">PM
                                </SELECT>to
                                        <td>
                                        <SELECT NAME="TimeEnd" multiple>
                                                <option value="7">  7:00
                                                <option value="8">  8:00
                                                <option value="9">  9:00
                                                <option value="10"> 10:00
                                                <option value="11"> 11:00
                                                <option value="12"> 12:00
                                                <option value="1">  1:00
                                                <option value="2">  2:00
                                                <option value="3">  3:00
                                                <option value="4">  4:00
                                                <option value="5">  5:00
                                                <option value="6">  6:00
                                        </SELECT>
                                        <SELECT name="ampm2">
                                                <option value="AM">AM
                                                <option value="PM">PM
                                        </SELECT>
                                        </td>
                                </tr>
                                <tr>
                                        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add"
NAME= "submit" CLASS = "button">   
                                          <INPUT TYPE="submit" VALUE="Cancel" CLASS = "button"></td>
                                </tr>
                        </table>
                        </FORM>
<?
        }
        else
        {
                include "../connect.php";
                        $TimeStart = getTime($TimeStart,  $ampm1);
                        $TimeEnd = getTime($TimeEnd,  $ampm2);
                        // insert doctor's schedule
                        $result = mysql_query("INSERT INTO schedule VALUES
('','$ID','$day','$TimeStart','$TimeEnd')");

                         if ($result)
                        echo ("<center><br>Doctor's schedule added.<br><br><a href = 'add-sched.php?ID=$ID'
onClick = 'history.go(-1)'>Add Another</a></center>");
                        else
                                echo ("<center><br>Schedule is not inserted.<br><br><a href = add-sched.php
onClick = 'history.go(-1)'>Back</a></center>");
                }
?>
<?
        function getTime($time, $am_pm)
        {
                // function for converting the format of the time to military time for comparison purposes
                if($am_pm == "PM")
                {
                        $time_trimmed = $time += 12;
                }
           elseif(($am_pm == "AM") && ($time == "12")) $time_trimmed = "0";

                else
                        $time_trimmed = $time;
                return $time_trimmed;
        }
?>

        <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
        <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
        </font><br>
        </td>
        </font>
        </table>
        </center>
```

```
</body>
</html>

// add-sched.php
<?
	require "../header/hospital.php";
	include "../connect.php";
?>
	<p class="title"><b>Add Specialty</b></p>
	<div align="center">
	<A href="edit-spec.php">Edit Specialty</A>  </div>
	<center>
<?

if (empty ($submit))
{
	echo "<form action='add-spec.php' method=post>";
	echo "<br><a href='new-spec.php'><b><div align='center'>Register New Specialty</b></a></div>";

	// get those from this hospital
	$chk_hcode = mysql_query ("SELECT * FROM specialty WHERE HCode = '$HCodeUser'");

	// $query is the query for getting all specialties not present in the hospital
	// it will be called later
	$query = "SELECT * FROM specialty WHERE HCode != '$HCode'";

	for ($i = 0; $i < @mysql_num_rows($chk_hcode); $i++)
	{
		$hosp_data = mysql_fetch_array($chk_hcode);
		$code = $hosp_data["SpecCode"];
		$codes[$i] = $hosp_data["SpecCode"];
		$query = $query." AND SpecCode != '$code'";
	}

	// get those specialties which are not present in the hospital
	$chk_spec = mysql_query($query);
	if (@mysql_num_rows($chk_spec) > 0)
	{
		echo"<br>";
		echo "<table border=1 cellpadding=4 bordercolor=#FFFFFF width = 70%>";
		echo "<tr><td bgcolor=#EEEE99><b>Other Registered Specialties</b></td></tr>";
		for ($i = 0; $i < @mysql_num_rows($chk_spec); $i++)
		{
			$data = mysql_fetch_array($chk_spec);
			$code = $data["SpecCode"];
			echo "<tr><td bgcolor=white><input type = 'checkbox' value='$code'
name=SpecCode>  ".$data["SpecName"]."</td></tr>";
		}
		echo "<tr><td align=center><input type =submit name='submit' value= submit
class='button'></center></td></tr>";
			echo "</table>";
	}
	echo "</form>";
}
else
{
		echo "<br><br>";
		// checks if Specialty is existing already
		$check_sql = mysql_query("SELECT * FROM specialty WHERE SpecCode = '$SpecCode' AND HCode =
'$HCode'");
		if (@mysql_num_rows($check_sql) !=  0 )
		{
			echo ("<center><br><b>Specialty already existing.</b><BR><a href ='add-spec.php'
onClick = 'history.go(-1)'>Back</a></center>");
		}
		else
		{
			// get Specialty name first
			$get_name = mysql_query("SELECT DISTINCT SpecName FROM specialty WHERE SpecCode
= '$SpecCode'");
			$data = mysql_fetch_row($get_name);
			$SpecName = $data[0];

			// inserts Specialty info
			  $insert_sql = mysql_query("INSERT INTO specialty VALUES('$SpecCode', '$HCodeUser',
'$SpecName')");
```

```
                                // check if Specialty was inserted
                                if (mysql_affected_rows($connect) < 1)
                                        echo ("<center><br><b>Specialty not added.</b><br><br><a href = add-
spec.php onClick = 'history.go(-1)'>Back</a></center>");
                                else
                                        echo ("<center><br><b>Specialty added.</b><br><br><a href = add-
spec.php>Add Another</a></center>");
                                }
}
?>
                        <br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
                        <center><font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                        </font><br>
                </td>
                </tr>
</font>
</table>
</center>
</body>
</html>

// add-syn-fac.php
<?
        require "../header/hospital.php";
?>
        <p class="title"><b>Add Synonym</b></p>
<?
        if (empty($update))
        {
                $getName = mysql_query("SELECT * FROM facility WHERE FCode = $FCode");
                $name = mysql_fetch_array($getName);
?>
                <CENTER>
                <FORM METHOD="post" ACTION="add-syn-fac.php">
                <table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
                        <tr class="result" bgcolor=#EEEE99>
                                <td width=35%>Facility Code:</td><td><font class="value"><?echo
$name["FCode"];?></font></td>
                                <input type=hidden name=FCode value=<?echo $name["FCode"];?>>
                                <input type=hidden name=FName value=<?echo $name["FName"];?>>
                        </tr>
                        <tr class="result" bgcolor=#EEEE99>
                                <td width=35%>Facility Name:</td><td><font class="value"><?echo
$name["FName"];?></font></td>
                        </tr>
                        <tr class="result">
                                <td>Add Synonym:</td><td><input type=textbox name="Synonym"
value=""></td>
                        </tr>
                </table>
                <table>
                        <tr>
                                <td colspan=2 align=center>  
                                <br>
                                <INPUT TYPE="submit" VALUE="Add Synonym" NAME= "update" CLASS =
"button">
                                </td>
                        </tr>
                </table>
                </FORM>
<?
        }
        else
        {                       // updates synonym info
                $update_sql = mysql_query("INSERT INTO `syn_facility`VALUES ('$FCode', '$FName', '$Synonym')");

                // check if synonym was updated
                if (@mysql_affected_rows($connect) == 0)
                        echo ("<center>Synonym not added.<br><br><br><A href = add-syn-fac.php?
FCode=$FCode onClick = 'history.go(-1)'>Back</A></center><br>");
                else
                        echo ("<center>Synonym added.<BR><br><br><A href = syn-fac.php?
FCode=$FCode>Back to Synonym List</A></center><br>");
        }
```

```
?>

	<br><br> <br><br><br><br><br><br> <br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font>
	<br>
	</td>
	</font>
	</table>
</body>
</html>

// add-syn-spec.php
<?
	require "../header/hospital.php";
?>
	<p class="title"><b>Add Synonym</b></p>
<?
	if (empty($update))
	{
		$getName = mysql_query("SELECT * FROM specialty WHERE SpecCode = $SpecCode");
		$name = mysql_fetch_array($getName);
?>
		<CENTER>
		<FORM METHOD="post" ACTION="add-syn-spec.php">
		<table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
			<tr class="result" bgcolor=#EEEE99>
				<td width=35%>Specialty Code:</td><td><font class="value"><?echo
$name["SpecCode"];?></font></td>
				<input type=hidden name=SpecCode value=<?echo $name["SpecCode"];?>>
				<input type=hidden name=SpecName value=<?echo $name["SpecName"];?>>
			</tr>
			<tr class="result" bgcolor=#EEEE99>
				<td width=35%>Specialty Name:</td><td><font class="value"><?echo
$name["SpecName"];?></font></td>
			</tr>
			<tr class="result">
				<td>Add Synonym:</td><td><input type=textbox name="Synonym"
value=""></td>
			</tr>
		</table>
		<table>
			<tr>
				<td colspan=2 align=center>  
				<br>
				<INPUT TYPE="submit" VALUE="Add Synonym" NAME= "update" CLASS =
"button">
				</td>
			</tr>
		</table>
		</FORM>
<?
	}
	else
	{  // updates synonym info
		$update_sql = mysql_query("INSERT INTO `syn_specialty`VALUES ('$SpecCode', '$SpecName',
'$Synonym')");

		// check if synonym was updated
		if (@mysql_affected_rows($connect) == 0)
			echo ("<center>Synonym not added.<br><br><br><A href = add-syn-spec.php?
SpecCode=$SpecCode onClick = 'history.go(-1)'>Back</A></center><br>");
		else
			echo ("<center>Synonym added.<BR><br><br><A href = syn-spec.php?
SpecCode=$SpecCode>Back to Synonym List</A></center><br>");
	}
?>

	<br><br> <br><br><br><br><br><br> <br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font>
	<br>
	</td>
	</font>
```

```
		</table>
</body>
</html>

// change-pass.php
<?
		require "../header/hospital.php";
?>
		<p class="title"><b>Change Password</b></p>
		<script language="JavaScript" src="../changePass.js"></script>
<?
		if (empty($update))
		{
			$getPass = mysql_query("SELECT * FROM users WHERE username = '$HCodeUser'");
			$pass = mysql_fetch_array($getPass);

?>
			<CENTER>
			<FORM METHOD="post" ACTION="change-pass.php" NAME="changePass" onSubmit="return
chkPass();">
			<table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
				<tr class="result" bgcolor=#EEEE99>
					</tr>
				<tr class="result">
					<td>New Password:</td>
					<td><input type=password name="pass1"></td>
				</tr>
				<tr class = "result">
					<td>Retype New Password:</td><td><input type=password
name="pass2"></td>
				</tr>
			</table>
			<table>
				<tr>
					<td colspan=2 align=center>  
					<br>
					<INPUT TYPE="submit" VALUE="Edit Hospital Info" NAME= "update" CLASS =
"button">
					</td>
				</tr>
			</table>
			</FORM>
<?
		}
		else
		{
			// updates synonym info
			$update_sql = mysql_query("UPDATE users SET password= '$pass1' WHERE username =
'$HCodeUser'");

			// check if synonym was updated
			if (mysql_affected_rows($connect) == 0)
				echo ("<center>Password not updated.<br><br><A href = change-pass.php onClick =
'history.go(-1)'>Back</A></center><br>");
			else
				echo ("<center>Password updated.<br><br><A href = hosp-profile.php>Back to
Profile</A></center><br>");
		}
?>

		<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
		<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font>
		<br>
		</td>
		</font>
		</table>
</body>
</html>

// check_hosp.php
<?
		session_start();
		if ($type != "hospital");
			header("location: ../index.php");
```

```
                    exit();
?>

// del-doc.php
<?
          require "../header/hospital.php";
?>
          <p align="left" class="title"><b>Delete Doctor</b></p>
          <center>
          <font face="Verdana" size = "2">
<?
          if (empty($submit)) {
?>
          <form method = "post" action = "del-doc.php">
          <table width=80% cellspacing='3' style="font-family: Verdana; font-size: 12px; text-indent: 15px"
bgcolor=#BBDDFF>
          <tr>
                    <td><center>Enter Doctor's Code:  </center></td>
                    <td><input type="text" name="ID" size="20"></td>
          </tr>
          <tr>
                    <td colspan=2 align=center>
                    <input type="submit" value="submit" onClick="alert('Are you sure you want to delete?')" name=
"submit" class="button">   </td>
          </tr>
          </table>
          </form>
<?
          }
          else
          {
                    include "../connect.php";
                    $check_sql = mysql_query("SELECT * FROM doctor WHERE ID = '$ID' AND HCode = '$HCodeUser'");
                    if (@mysql_num_rows($check_sql)<0)
                    {
                              echo("<center>Doctor's Code ".$ID." does not exist.</center><br><center><a href = del-
doc.php onClick = 'history.go(-1)'>Back</a></center>");
                    }
                    else
                    {
                    $delete_sql = mysql_query("DELETE FROM doctor WHERE HCode = '$HCodeUser' and ID = '$ID'");
                    // check if account was deleted
                    if (mysql_affected_rows($connect)< 1)
                    {
                              echo ("<center>Delete operation failed.<br><br><br><A href = del-doc.php onClick =
'history.go(-1)'>Back</a></center><br>");
                    }
                    else
                              echo ("<center>Doctor deleted.<br><br><br><A href = view-doclist1.php onClick
'history.go(-1)'>Back to Doctor's Lists</a></center><br>");
                    }
          }
          ?>
                    <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
                    <center>
                    <font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                    </font>
                    <br>
          </td>
  </font>
  </table>
</center>
</body>
</html>

// del-fac.php
<?
          require "../header/hospital.php";
?>
                    <p class="title"><b>Delete Facility</b></p>
                    <center>
                    <A href="add-fac.php">Add Facility</A>  
                    <A href="edit-fac.php">Edit Facility</A>  
<?
          include "../connect.php";
```

```
		echo "<br><br>";
		$delFac = mysql_query("DELETE FROM facility WHERE HCode = '$HCodeUser' AND FCode = '$FCode'");
		if (@mysql_affected_rows($connect) < 1)
		{
			echo ("<br><br><b>Delete failed.</b><BR><br><A href = view-faclist.php onClick = 'history.go(-
1)'>Back</A>");
		}
		else
		{
			echo ("<br><br><b>Facility deleted.</b><BR><br><A href = view-faclist.php onClick = 'history.go(-
1)'>Delete Another</A>");
		}
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// del-sched.php
<?
		require "../header/hospital.php";
?>
			<p class="title"><b>Delete Schedule</b></p>
			<center>
<?
		include "../connect.php";
		echo "<br><br>";
		$delSched = mysql_query("DELETE FROM schedule WHERE SID = '$ID'");
		if (@mysql_affected_rows($connect) < 1)
		{
			echo ("<br><br><b>Delete failed.</b><BR><br><A href = view-schedlist.php onClick =
'history.go(-1)'>Back</A>");
		}
		else
		{
			echo ("<br><br><b>Schedule deleted.</b><BR><br><A href = view-schedlist.php onClick =
'history.go(-1)'>Delete Another</A>");
		}
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// del-spec.php
<?
		require "../header/hospital.php";
?>
			<p class="title"><b>Delete Specialty</b></p>
			<center>
			<A href="add-spec.php">Add Specialty</A>  
			<A href="edit-spec.php">Edit Specialty</A>  
<?
		include "../connect.php";
		echo "<br><br>";
		$delFac = mysql_query("DELETE FROM Specialty WHERE HCode = '$HCodeUser' AND SpecCode = '$SpecCode'");
		if (@mysql_affected_rows($connect) < 1)
		{
			echo ("<br><br><b>Delete failed.</b><BR><br><A href = view-speclist.php onClick = 'history.go(-
1)'>Back</A>");
		}
		else
```

```
		{
			echo ("<br><br><b>Specialty deleted.</b><BR><br><A href = view-speclist.php onClick =
'history.go(-1)'>Delete Another</A>");
		}
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// del-syn-fac.php
<?
		require "../header/hospital.php";
		include "../connect.php";
		$getFac = mysql_query("SELECT * FROM `syn_facility`WHERE Synonym = '$Synonym'");
		$data = mysql_fetch_array($getFac);
		$code = $data ["FCode"];
?>
			<p class="title"><b>Delete Synonym</b></p>
			<center>
			<br><br><A href="add-syn-fac.php?FCode=<?echo($code)?>">Add Synonym for
Facility</A>  
<?
		$delFac = mysql_query("DELETE FROM `syn_facility`WHERE Synonym = '$Synonym'");
		if (@mysql_affected_rows($connect) < 1)
		{
			echo ("<br><br><br><b>Delete failed.</b><BR><br><A href = syn-fac.php?FCode=$code onClick
= 'history.go(-1)'>Back to Synonym List</A>");
		}
		else
		{
			echo ("<br><br><br><b>Facility deleted.</b><BR><br><A href = syn-fac.php?FCode=$code
onClick = 'history.go(-1)'>Delete Another</A>");
		}
?>
<br><br> <br><br><br><br><br> <br><br><br><br><br> <br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// del-syn-spec.php
<?
		require "../header/hospital.php";
		include "../connect.php";
		$getSpec = mysql_query("SELECT * FROM `syn_specialty`WHERE Synonym = '$Synonym'");
		$data = mysql_fetch_array($getSpec);
		$code = $data ["SpecCode"];
?>
			<p class="title"><b>Delete Synonym</b></p>
			<center>
			<br><br><A href="add-syn-spec.php?SpecCode=<?echo($code)?>">Add Synonym for
Specialty</A>  
<?
		$delSpec = mysql_query("DELETE FROM `syn_specialty`WHERE Synonym = '$Synonym'");
		if (@mysql_affected_rows($connect) < 1)
		{
			echo ("<br><br><br><b>Delete failed.</b><BR><br><A href = syn-spec.php?SpecCode=$code
onClick = 'history.go(-1)'>Back to Synonym List</A>");
		}
		else
		{
```

```
                    echo ("<br><br><br><b>Facility deleted.</b><BR><br><A href = syn-spec.php?SpecCode=$code
onClick = 'history.go(-1)'>Delete Another</A>");
          }
?>
<br><br> <br><br><br><br><br><br> <br><br><br><br><br> <br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// edit-doc.php
<?
          require "../header/hospital.php";
?>
          <p class="title"><b>Edit doctor</b></p>
          <center>
          <A href="add-doc.php">Add doctor</A>     
   <A href="del-doc.php">Delete Doctor</A>  
          <br>
<?php
          if (empty($getCode) && empty($update) && empty($submit)) //check if submit button was clicked
                    {                   //get doctor code to check its existence in the list
?>
          <br><br>
          <center>
          <table width=60% cellpadding=4 cellspacing='0' style="font-family: Verdana; font-size: 12px;        text-indent:
15px" bgcolor=#BBDDFF>
                    <FORM method = "POST" action = "edit-doc.php">
                    <tr>
                              <td><center>Enter Doctor Code:  </center></td>
                              <td><INPUT TYPE="text" NAME="ID" size="20"></td>
                    </tr>
                    <tr>
                              <td colspan=2 align=center>
                              <INPUT TYPE="submit" VALUE="submit" NAME= "getCode" CLASS="button"></td>
                    </tr>
                    </FORM>
          </table>
<?
          }
          else
          {
                    include "../connect.php";
                    if (empty($update) && empty($submit))
                    {          // checks if hospital is existing
                              $check_sql = mysql_query("SELECT * FROM doctor WHERE ID = '$ID'");
                              $result = mysql_fetch_array($check_sql);   // get row from $check_sql

                              if (@mysql_num_rows($check_sql) < 1)
                              {
                                        echo("<br><br><center>Doctor with code ".$ID." does not exist in this
hospital.</center><br><center><A href = edit-doc.php onClick = 'history.go(-1)'>Back</a></center>");
                                        exit();
                              }
                              else
                              {
?>
<script language = JavaScript>
function chkDoc()
{
          if(document.editDoc.DLName.value.length == 0 || document.editDoc.DFName.value.length == 0)
          {
                    alert("Input doctor's first and last name.");
                    return false;
          }
          return true;
}
</script>

                              <center>
```

```
                                <FORM METHOD="post" ACTION="edit-doc.php" name="editDoc" onSubmit = "return
chkDoc()";>
                        <center>
                        <table width=95% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                                <tr>
                                <td>Doctor Code:</td>
                                <td colspan=3><INPUT TYPE="text" NAME="ID" value="<?echo $ID;?>" size="25"></td>
                        <tr>
                                <td>Doctor's First Name:</td>
                                <td colspan=3><INPUT TYPE="text" NAME="DFName" value="<?echo $result["DFName"];?
>" size="25"></td>
                        </tr>
                        <tr>
                                <td>Doctor's Last Name:</td>
                                <td colspan=3><INPUT TYPE="text" NAME="DLName" value="<?echo $result["DLName"];?
>" size="25"></td>
                        </tr>
                                <tr>
                                        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Edit"
NAME= "submit" CLASS = "button">   
                                          <INPUT TYPE="submit" VALUE="submit" CLASS = "button"></td>
                                </tr>
                        </table>
                        </FORM>
                <?
                                }
                    }
                else
                {
                        echo "<br><br>";
                        // updates doctor info
                        $result = mysql_query("UPDATE doctor SET DFName = '$DFName', DLName = '$DLName' WHERE ID =
'$ID'");
                        // check if doctor was updated
                        if (mysql_affected_rows($connect)< 1)
                                echo ("<center> Doctor's profile with ".$ID."  not updated.<br><br><A href = edit-doc.php
onClick = 'history.go(-1)'>Back to Edit</A></center><br>");
                        else
                                echo ("<center>  Doctor's profile with ".$ID." updated.<BR><br><A href = edit-doc.php>
Edit Another</A></center><br>");
                }
}
?>
<br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br>
                        <center>
                        <font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                        </font><br>
                </td>
  </font>
  </table>
</center>
</body>
</html>

// edit-fac.php
<?
        require "../header/hospital.php";
?>
        <p class="title"><b>Edit Facility</b></p>
        <center>
        <A href="add-fac.php">Add Facility</A>  
        <br>
<?php
        if (empty($getCode) && empty($update)) //check if submit button was clicked
        {                       //get facility code to check its existence in the list
?>
        <br><br>
        <center>
        <table width=60% cellpadding=4 cellspacing='0' style="font-family: Verdana; font-size: 12px;        text-indent:
15px" bgcolor=#BBDDFF>
                        <FORM method = "POST" action = "edit-fac.php">
                        <tr>
                                <td><center>Enter Facility Code:  </center></td>
                                <td><INPUT TYPE="text" NAME="FCode" size="20"></td>
```

```
                </tr>
                <tr>
                        <td colspan=2 align=center>
                        <INPUT TYPE="submit" VALUE="submit" NAME= "getCode" CLASS="button"></td>
                </tr>
                </FORM>
        </table>
<?
        }
        else
        {
                include "../connect.php";
                if (empty($update))
                {                               // checks if hospital is existing
                        $check_sql = mysql_query("SELECT * FROM facility WHERE FCode = '$FCode' AND HCode =
'$HCodeUser'");
                        $data = mysql_fetch_array($check_sql);   // get row from $check_sql

                        if (@mysql_num_rows($check_sql) < 1)
                        {
                                echo("<br><br><center>Facility with code ".$FCode." does not exist in this
hospital.</center><br><center><A href = edit-fac.php onClick = 'history.go(-1)'>Back</a></center>");
                                exit();
                        }
                        else
                        {
?>
                        <center>
                        <FORM METHOD="post" ACTION="edit-fac.php">
                        <table align=center width=60% bgcolor=#BBDDFF border=1 bordercolor=white
cellspacing=0 cellpadding=6 rules=none>
                        <tr>
                                <td colspan=2 align=center bgcolor=#EEEE99><b>Facility Code: <?echo
$FCode;?> </b>
                                <input type="hidden" name=FCode value= <?echo $FCode;?>>
                                </td>
                        </tr>
                        <tr class="white">
                                <td>Name:  </td>
                                <td><INPUT TYPE="text" NAME="FName" VALUE="<?echo $data["FName"];?>"
size="20"></td>
                        </tr>
                        <tr class="white">
                                <td>Quantity:  </td>
                                <td><INPUT TYPE="text" NAME="Number" VALUE="<?echo $data["Number"];?
>"size="20"></td>
                        </tr>
                        <tr class="white">
                                <td colspan=2 align=center>  <INPUT TYPE="submit"
VALUE="Update" NAME= "update" CLASS = "button">   
                          
                                <INPUT TYPE="button" VALUE="Cancel" CLASS = "button">
                                </td>
                        </tr>
                        </table>
                        </FORM>
        <?
                        }
        }
        else
        {
                echo "<br><br>";
                // updates facility info
                $update_sql = mysql_query("UPDATE facility SET FName = '$FName', Number = '$Number' WHERE
FCode = '$FCode' AND HCode = '$HCodeUser'");

                // check if facility was updated
                if (mysql_affected_rows($connect)< 1)
                        echo ("<center> Facility No. ".$FCode."  not updated.<br><br><A href = edit-fac.php
onClick = 'history.go(-1)'>Back to Edit</A></center><br>");
                else
                        echo ("<center>  Facility No. ".$FCode." updated.<BR><br><A href = edit-fac.php onClick
'history.go(-1)'>Edit Another</A></center><br>");
        }
}
?>
```

```
<br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br>
                    <center>
                    <font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                    </font><br>
          </td>
  </font>
  </table>
</center>
</body>
</html>

// edit-sched.php
<?
          require "../header/hospital.php";
?>
          <p class="title"><b>Edit Schedule</b></p>
          <center>
          <A href="add-sched.php">Add Schedule</A>  
          <br>
<?
                    include "../connect.php";
                    if (empty($update) && empty($submit))
                    {
                                        $check_sql = mysql_query("SELECT * FROM doctor, schedule WHERE doctor.ID =
schedule.ID AND SID = '$ID'");
                                  $result = mysql_fetch_array($check_sql);   // get row from $check_sql
?>
                    <center>
                    <FORM METHOD="post" ACTION="edit-sched.php">
                    <center>
                    <table width=95% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                    <tr>
                              <td>Doctor Code:
                      <?echo "<b>".$result["ID"]."</b>";?>
                              <br><br></td>
                              <td>Doctor's Name:
                              <?echo "<b>".$result["DLName"].", ". $result["DFName"]."</b>";?><br><br></td>
                              <INPUT TYPE=hidden NAME="SID" VALUE="<?echo $ID;?>"></tr>
                    <tr>
                              <td colspan=3>Schedule:</td><br><br>
                    </tr>
          <?
                              $check_sql = mysql_query("SELECT * FROM schedule WHERE SID = '$ID'");
                              $result = mysql_fetch_array($check_sql);   // get row from $check_sql
          ?>
                    <tr>
                              <td>Day:
                              <SELECT NAME="day" multiple>
                              <option value="M" <?if ($result["day"] == 'M') echo 'selected';?>>M
                              <option value="T" <?if ($result["day"] == 'T') echo 'selected';?>>T
                              <option value="W" <?if ($result["day"] == 'W') echo 'selected';?>> W
                              <option value="Th" <?if ($result["day"] == 'Th') echo 'selected';?>> Th
                              <option value="F" <?if ($result["day"] == 'F') echo 'selected';?>> F
                              <option value="Sat" <?if ($result["day"] == 'Sat') echo 'selected';?>> Sat
                              <option value="Sun" <?if ($result["day"] == 'Sun') echo 'selected';?>> Sun
                              </SELECT>
                               </td>
                              <td>Time:
                              <SELECT NAME="TimeStart" multiple>
                              <option value="7" <?if (MyTime($result["TimeStart"])== '7') echo 'selected';?>> 7:00
                              <option value="8" <?if (MyTime($result["TimeStart"])== '8') echo 'selected';?>> 8:00
                              <option value="9" <?if (MyTime($result["TimeStart"])== '9') echo 'selected';?>> 9:00
                              <option value="10" <?if (MyTime($result["TimeStart"])== '10') echo 'selected';?>> 10:00
                              <option value="11" <?if (MyTime($result["TimeStart"])== '11') echo 'selected';?>> 11:00
                              <option value="12"<?if (MyTime($result["TimeStart"])== '12') echo 'selected';?>> 12:00
                              <option value="1" <?if (MyTime($result["TimeStart"])== '1') echo 'selected';?>> 1:00
                              <option value="2" <?if (MyTime($result["TimeStart"])== '2') echo 'selected';?>> 2:00
                              <option value="3" <?if (MyTime($result["TimeStart"])== '3') echo 'selected';?>> 3:00
                              <option value="4" <?if (MyTime($result["TimeStart"])== '4') echo 'selected';?>> 4:00
                              <option value="5" <?if (MyTime($result["TimeStart"])== '5') echo 'selected';?>> 5:00
                              <option value="6" <?if (MyTime($result["TimeStart"])== '6') echo 'selected';?>> 6:00
                              </SELECT>
                              <SELECT name="ampm1">
```

```
                                                <option value="AM" <?if ($result["TimeStart"] < 12) echo 'selected';?
>>AM
                                                <option value="PM" <?if ($result["TimeStart"] >= 12) echo 'selected';?
>>PM
                                </SELECT>to
                                <td>
                                <SELECT NAME="TimeEnd" multiple>
                                <option value="7" <?if (MyTime($result["TimeEnd"]) == '7') echo 'selected';?>> 7:00
                                <option value="8" <?if (MyTime($result["TimeEnd"])== '8') echo 'selected';?>> 8:00
                                <option value="9" <?if (MyTime($result["TimeEnd"])== '9') echo 'selected';?>> 9:00
                                <option value="10" <?if (MyTime($result["TimeEnd"])== '10') echo 'selected';?>> 10:00
                                <option value="11" <?if (MyTime($result["TimeEnd"])== '11') echo 'selected';?>> 11:00
                                <option value="12" <?if (MyTime($result["TimeEnd"])== '12') echo 'selected';?>> 12:00
                                <option value="1" <?if (MyTime($result["TimeEnd"])== '1') echo 'selected';?>> 1:00
                                <option value="2" <?if (MyTime($result["TimeEnd"])== '2') echo 'selected';?>> 2:00
                                <option value="3" <?if (MyTime($result["TimeEnd"])== '3') echo 'selected';?>> 3:00
                                <option value="4" <?if (MyTime($result["TimeEnd"])== '4') echo 'selected';?>> 4:00
                                <option value="5" <?if (MyTime($result["TimeEnd"])== '5') echo 'selected';?>> 5:00
                                <option value="6" <?if (MyTime($result["TimeEnd"])== '6') echo 'selected';?>> 6:00
                                </SELECT>
                                <SELECT name="ampm2">
                                        <option value="AM" <?if ($result["TimeEnd"]< 12) echo 'selected';?>>AM
                                        <option value="PM" <?if ($result["TimeEnd"] >= 12) echo 'selected';?>>PM
                                </SELECT>
                                        </td>
                                </tr>
                                        <tr>
                                        <td colspan=2 align=center>  
                                        <INPUT TYPE="submit" VALUE="Edit" NAME= "submit" CLASS=
"button">     
                                        <input type="button" value="Cancel" class="button"
onClick="document.location='view-schedlist.php'">
                                </tr>
                        </table>
                        </FORM>
        <?
         }
        else
        {
                echo "<br><br>";
                $TimeStart = getTime($TimeStart,  $ampm1);
                $TimeEnd = getTime($TimeEnd,  $ampm2);
                $result = mysql_query("UPDATE schedule SET day = '$day', TimeStart = '$TimeStart', TimeEnd =
'$TimeEnd' WHERE SID = '$SID'");

                // check if doctor's sched was updated
                if (mysql_affected_rows($connect)< 1)
                        echo ("<center> Doctor's schedule not updated.<br><br><A href = view-schedlist.php
onClick = 'history.go(-1)'>Back to Edit</A></center><br>");
                else
                        echo ("<center>  Doctor's schedule updated.<BR><br><A href = view-schedlist.php> Edit
Another</A></center><br>");
          }
?>
<?
        function MyTime($time)
        {
                if ($time > 12)
                        $time = $time - 12;
                return $time;
        }
?>
<?
        function getTime($time, $am_pm)
        {
                // function for converting the format of the time to military time for comparison purposes
                if($am_pm == "PM")
                {
                        $time_trimmed = $time += 12;
                }
           elseif(($am_pm == "AM") && ($time == "12")) $time_trimmed = "0";

                else
                        $time_trimmed = $time;
                return $time_trimmed;
        }
```

```
?>
<br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br>
                    <center>
                    <font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                    </font><br>
          </td>
  </font>
  </table>
</center>
</body>
</html>

// edit-spec.php
<?
          require "../header/hospital.php";
?>
          <p class="title"><b>Edit Specialty</b></p>
          <center>
          <A href="add-spec.php">Add Specialty</A>  
          <br>
<?php
          if (empty($getCode) && empty($update)) //check if submit button was clicked
          {                   //get Specialty code to check its existence in the list
?>
          <br><br>
          <center>
          <table width=60% cellpadding=4 cellspacing='0' style="font-family: Verdana; font-size: 12px;        text-indent:
15px" bgcolor=#BBDDFF>
                    <FORM method = "POST" action = "edit-spec.php">
                    <tr>
                              <td><center>Enter Specialty Code:  </center></td>
                              <td><INPUT TYPE="text" NAME="SpecCode" size="20"></td>
                    </tr>
                    <tr>
                              <td colspan=2 align=center>
                              <INPUT TYPE="submit" VALUE="submit" NAME= "getCode" CLASS="button"></td>
                    </tr>
                    </FORM>
          </table>
<?
          }
          else
          {
                    include "../connect.php";
                    if (empty($update))
                    {
                              // checks if hospital is existing
                              $check_sql = mysql_query("SELECT * FROM Specialty WHERE SpecCode = '$SpecCode' AND
HCode = '$HCodeUser'");
                              $data = mysql_fetch_array($check_sql);   // get row from $check_sql

                              if (@mysql_num_rows($check_sql) < 1)
                              {
                                        echo("<br><br><center>Specialty with code ".$SpecCode." does not exist in this
hospital.</center><br><center><A href = edit-spec.php onClick = 'history.go(-1)'>Back</a></center>");
                                        exit();
                              }
                              else
                              {
?>
                              <center>
                              <FORM METHOD="post" ACTION="edit-spec.php">
                              <table align=center width=60% bgcolor=#BBDDFF border=1 bordercolor=white
cellspacing=0 cellpadding=6 rules=none>
                              <tr>
                                        <td colspan=2 align=center bgcolor=#EEEE99><b>Specialty Code: <?echo
$SpecCode;?> </b>
                                        <input type="hidden" name=SpecCode value= <?echo $SpecCode;?>>
                                        </td>
                              </tr>
                              <tr class="white">
                                        <td>Name:  </td>
                                        <td><INPUT TYPE="text" NAME="SpecName" VALUE="<?echo
$data["SpecName"];?>" size="20"></td>
                              </tr>
```

```
                                <tr class="white">
                                        <td colspan=2 align=center>  <INPUT TYPE="submit"
VALUE="Update" NAME= "update" CLASS = "button">   
                                  
                                        <INPUT TYPE="button" VALUE="Cancel" CLASS = "button">
                                        </td>
                                </tr>
                                </table>
                                </FORM>
        <?
                                }
        }
        else
        {
                echo "<br><br>";
                // updates Specialty info
                $update_sql = mysql_query("UPDATE Specialty SET SpecName = '$SpecName' WHERE SpecCode =
'$SpecCode' AND HCode = '$HCodeUser'");

                // check if Specialty was updated
                if (mysql_affected_rows($connect)< 1)
                        echo ("<center> Specialty No. ".$SpecCode."  not updated.<br><br><A href = edit-
spec.php onClick = 'history.go(-1)'>Back to Edit</A></center><br>");
                else
                        echo ("<center>  Specialty No. ".$SpecCode." updated.<BR><br><A href = edit-spec.php
onClick 'history.go(-1)'>Edit Another</A></center><br>");
        }
}
?>
<br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br>
                <center>
                <font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                </font><br>
        </td>
  </font>
  </table>
</center>
</body>
</html>

// edit-syn-fac.php
<?
        require "../header/hospital.php";
?>
        <p class="title"><b>Edit Synonym</b></p>
<?
        if (empty($update))
        {
                $getSyn = mysql_query("SELECT * FROM `syn_facility` WHERE Synonym = '$Synonym'");
                $syn = mysql_fetch_array($getSyn);
?>
                <CENTER>
                <FORM METHOD="post" ACTION="edit-syn-fac.php">
                <table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
                        <tr class="result" bgcolor=#EEEE99>
                                <td width=35%>Facility Code:</td><td><font class="value"><?echo
$syn["FCode"];?></font></td>
                                <input type=hidden name=FCode value=<?echo $syn["FCode"];?>>
                                <input type=hidden name=syn1 value='<?echo $syn["Synonym"];?>'>
                        </tr>
                        <tr class="result">
                                <td>Synonym:</td><td><input type=textbox name="Synonym" value='<?echo
$syn["Synonym"];?>'></td>
                        </tr>
                </table>
                <table>
                        <tr>
                                <td colspan=2 align=center>  
                                <br>
                                <INPUT TYPE="submit" VALUE="Edit Synonym" NAME= "update" CLASS =
"button">
                                </td>
                        </tr>
                </table>
                </FORM>
```

```
<?
	}
	else
	{
		// updates synonym info
		$update_sql = mysql_query("UPDATE `syn_facility` SET Synonym= '$Synonym' WHERE
Synonym='$syn1'");

		// check if synonym was updated
		if (mysql_affected_rows($connect) == 0)
			echo ("<center>Synonym not updated.<br><br><A href = edit-syn-fac.php?FCode=$FCode
onClick = 'history.go(-1)'>Back</A></center><br>");
		else
			echo ("<center>Synonym updated.<br><br><A href = syn-fac.php?FCode=$FCode>Edit
Another</A></center><br>");
	}
?>
	<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font>
	<br>
	</td>
	</font>
	</table>
</body>
</html>

// edit-syn-spec.php
<?
	require "../header/hospital.php";
?>
	<p class="title"><b>Edit Synonym</b></p>
<?
	if (empty($update))
	{
		$getSyn = mysql_query("SELECT * FROM `syn_specialty` WHERE Synonym = '$Synonym'");
		$syn = mysql_fetch_array($getSyn);
?>
		<CENTER>
		<FORM METHOD="post" ACTION="edit-syn-spec.php">
		<table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
			<tr class="result" bgcolor=#EEEE99>
				<td width=35%>Specialty Code:</td><td><font class="value"><?echo
$syn["SpecCode"];?></font></td>
				<input type=hidden name=SpecCode value=<?echo $syn["SpecCode"];?>>
				<input type=hidden name=syn1 value='<?echo $syn["Synonym"];?>'>
			</tr>
			<tr class="result">
				<td>Synonym:</td><td><input type=textbox name="Synonym" value='<?echo
$syn["Synonym"];?>'></td>
			</tr>
		</table>
		<table>
			<tr>
				<td colspan=2 align=center>  
				<br>
				<INPUT TYPE="submit" VALUE="Edit Synonym" NAME= "update" CLASS =
"button">
				</td>
			</tr>
		</table>
		</FORM>
<?
	}
	else
	{
		// updates synonym info
		$update_sql = mysql_query("UPDATE `syn_specialty` SET Synonym= '$Synonym' WHERE
Synonym='$syn1'");

		// check if synonym was updated
		if (mysql_affected_rows($connect) == 0)
			echo ("<center>Synonym not updated.<br><br><A href = edit-syn-spec.php?
SpecCode=$SpecCode onClick = 'history.go(-1)'>Back</A></center><br>");
		else
```

```
                                echo ("<center>Synonym updated.<br><br><A href = syn-spec.php?
SpecCode=$SpecCode>Edit Another</A></center><br>");
        }
?>
        <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
        <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
        </font>
        <br>
        </td>
        </font>
        </table>
</body>
</html>

// hosp-edit.php
<?
        require "../header/hospital.php";
?>
                <p class="title"><b>Hospital Profile</b></p>
<?
        include "../connect.php";
        if (empty($update))
        {
                $query = "SELECT * FROM hospital WHERE HCode = '$HCodeUser'";
                $check_sql=mysql_query($query);
                $hosp = mysql_fetch_array($check_sql);

?>
<script language = JavaScript>
function chkHosp()
{
        if(document.addHosp.StreetName.value.length == 0 || document.addHosp.City.value.length == 0)
        {
                alert("Required field missing.");
                return false;
        }
        return true;
}
</script>
                <center>
    <FORM METHOD="post" ACTION="hosp-edit.php" name="addHosp" onSubmit = "return chkHosp();">
                <table width=80% bgcolor=#BBDDFF border=1 bordercolor=white cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                        <tr>
                                <td>  Hospital Code:  </td>
                                <td><INPUT TYPE="text" ReadOnly NAME="HCode" VALUE="<?echo
$hosp["HCode"];?>" size="20">
                                <INPUT TYPE="hidden" NAME="HCode1" VALUE="<?echo $hosp["HCode"];?>">
                                </td>
                        </tr>
                        <tr>
                                <td>  Hospital Name:  </td>
                                <td><INPUT TYPE="text" NAME="HName" VALUE="<?echo $hosp["HName"];?>"
size="20"></td>
                        </tr>
                        <tr>
                                <td>  Hospital Synonym:  </td>
                                <td><INPUT TYPE="text" NAME="HSyno" VALUE="<?echo $hosp["HSyno"];?>"
size="20"></td>
                        </tr>
                        <tr>
                                <td>  Establishment No.:  </td>
                                <td><INPUT TYPE="text" NAME="ENo" VALUE="<?echo $hosp["ENo"];?>"
size="20"></td>
                        </tr>
                        <tr>
                                <td>* Street Name:  </td>
                                <td><INPUT TYPE="text" NAME="StreetName" VALUE="<?echo
$hosp["StreetName"];?>" size="20"></td>
                        </tr>
                        <tr>
                                <td>* City:  </td>
                                <td><INPUT TYPE="text" NAME="City" VALUE="<?echo $hosp["City"];?>"
size="20"></td>
                        </tr>
```

```
                                <tr>
                                        <td>  Telephone No.:  </td>
                                        <td><INPUT TYPE="text" NAME="TelNo" VALUE="<?echo $hosp["TelNo"];?>"
size="20"></td>
                                </tr>
                                <br>
                                <tr>
                                        <td colspan=2 align=center>  
                                        <br>
                                        <input type="submit" value="Update Hospital Info" name="update"
class="button">     
                                        <input type="button" value="Cancel" class="button"
onClick="document.location='hosp-profile.php'">
                                        </td>
                                </tr>
                        </table>
                        </FORM>
<?
        }
        else
        {
                        // updates account info
                        $update_sql = mysql_query("UPDATE hospital SET HCode = '$HCode', HName = '$HName', HSyno =
'$HSyno', ENo = '$ENo', StreetName = '$StreetName', City = '$City', TelNo = '$TelNo' WHERE HCode = '$HCode1'");

                        // check if account was updated
                        if (mysql_affected_rows($connect)== 0)
                                echo ("<center>The account is not updated.<br><br><A href = hosp-edit.php onClick =
'history.go(-1)'>Back</A></center><br>");
                        else
                                echo ("<center>Account updated.<br><br><a href = hosp-profile.php onClick 'history.go(-
1)'>Back</A></center><br>");
        }
?>
        <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
        <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
        </font>
        <br>
        </td>
        </font>
        </table>
</body>
</html>

// hosp-profile.php
<?
        require "../header/hospital.php";
?>
                        <p class="title"><b>Hospital Profile</b></p>
                        <CENTER>
                        <FORM METHOD="post" ACTION="hosp-edit.php">
                        <table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
                                <tr class="result" bgcolor=#EEEE99>
                                        <td width=35%>Hospital Code:</td><td><font class="value"><?echo
$hosp["HCode"];?></font></td>
                                </tr>
                                <tr class="result">
                                        <td>Hospital Name:</td><td><font class="value"><?echo $hosp["HName"];?
></font></td>
                                </tr>
                                <tr class="result">
                                        <td>Hospital Synonym:</td><td><font class="value"><?echo $hosp["HSyno"];?
></font></td>
                                </tr>
                                <tr class="result">
                                        <td>Establishment No.:</td><td><font class="value"><?echo $hosp["ENo"];?
></font></td>
                                </tr>
                                <tr class="result">
                                        <td>Street Name:</td><td><font class="value"><?echo $hosp["StreetName"];?
></font></td>
                                </tr>
                                <tr class="result">
                                        <td>City:</td><td><font class="value">
                                        <?echo $hosp["City"];?></font></td>
```

```
                                </tr>
                                <tr class="result">
                                        <td>Telephone No.:  </td>
                                        <td><font class="value"><?echo $hosp["TelNo"];?></font></td>
                                </tr>
                        </table>
                        <table>
                                <tr>
                                        <td colspan=2 align=center>  
                                        <br>
                                        <INPUT TYPE="submit" VALUE="Edit Hospital Info" NAME= "submit" CLASS =
"button">
                                        </td>
                                </tr>
                        </table><br><br><br><br>
                <center><a href = "change-pass.php"><b>Change Hospital Password</b></a></center>
                        </FORM>
                <br><br><br><br><br><br>
                <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                </font>
                <br>
                </td>
                </font>
                </table>
</body>
</html>

// new-fac.php
<?
        require "../header/hospital.php";
?>
        <p class="title"><b>Register New Facility</b></p>
        <center>
        <A href="add-fac.php">Add Facility</A>  
        <A href="edit-fac.php">Edit Facility</A>  
        <br>
<?
        if (empty($submit))
        {
?>
                <br>
                <p align = "center">You may enter additional facilities:</p>
                <script language = JavaScipt src = form.js></script>
                <FORM METHOD="post" ACTION="new-fac.php">
                <table align=center width=60% bgcolor=#BBDDFF border=1 bordercolor=white cellspacing=0
cellpadding=6 rules=none>
                <center>
                <tr>
                        <td>Facility Name:  <?echo $data["FName"];?></td>
                        <td><INPUT TYPE="text" NAME="FName" size="20"></td>
                </tr>
                <tr>
                        <td>Quantity:  <?echo $data["Number"];?></td>
                        <td><INPUT TYPE="text" NAME="Number" size="20"></td>
                </tr>
                <br>
                <tr>
                        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add Facilty"
NAME= "submit" CLASS = "button">   
                          <INPUT TYPE="submit" VALUE="Cancel" CLASS = "button"
onClick="document.location='add-fac.php'"></td>
                        </tr>
                </table>
                </FORM>
<?
        }
        else
        {
                echo "<br><br>";
                include "../connect.php";
                // checks if user is existing already
                $check_sql = mysql_query("SELECT * FROM facility WHERE FCode = '$FName'");
                if (mysql_num_rows($check_sql) !=  0 )
                {
```

```
                                echo("<center><br>Facility is already existing.<BR><A href = add-fac.php onClick =
'history.go(-1)'>Back</a></center>");
                        }
                        else
                        {
                                if(empty($Number))
                                        $Number = 1;
                                // inserts account info
                                $insert_sql = mysql_query("INSERT INTO facility (HCode, FName, Number) VALUES
('$HCodeUser', '$FName', '$Number')");

                                // check if account was inserted
                                if (mysql_affected_rows($connect) < 1)
                                        echo ("<center><br><br><br><br>Facility is not added.<br><br><a href =
add-fac.php onClick = 'history.go(-1)'>Back</a></center>");
                                else
                                        echo ("<center><br><br><br><br> Facility is added.<br><br><a href = add-
fac.php>Back</a></center>");
                                        echo ("<br><br><br>");
                                        echo("<center>");
                                        echo ("<b><a href= 'add-fac.php'>Add Another Facility</a></b><br><br>");
                                }
?>
        <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
        <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
        </font><br>
        </td>
        </font>
        </table>
        </center>
</body>
</html>

// new-spec.php
<?
        require "../header/hospital.php";
?>
        <p class="title"><b>Register New Specialty</b></p>
        <center>
        <A href="add-spec.php">Add Specialty</A>  
        <A href="edit-spec.php">Edit Specialty</A>  
        <br>
<?
        if (empty($submit))
        {
?>
                <br>
                <p align = "center">You may enter additional specialties:</p>
                <script language = JavaScipt src = form.js></script>
                <FORM METHOD="post" ACTION="new-spec.php">
                <table align=center width=60% bgcolor=#BBDDFF border=1 bordercolor=white cellspacing=0
cellpadding=6 rules=none>
                <center>
                <tr>
                        <td>Specialty Name:  <?echo $data["SpecName"];?></td>
                        <td><INPUT TYPE="text" NAME="SpecName" size="20"></td>
                </tr>
                <br>
                <tr>
                        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add Specialty"
NAME= "submit" CLASS = "button">   
                          <INPUT TYPE="submit" VALUE="Cancel" CLASS = "button"
onClick="document.location='add-spec.php'"></td>
                        </tr>
                </table>
                </FORM>
<?
        }
        else
        {
                echo "<br><br>";
                include "../connect.php";
                // checks if user is existing already
                $check_sql = mysql_query("SELECT * FROM Specialty WHERE SpecCode = '$SpecName'");
                if (mysql_num_rows($check_sql) !=  0 )
```

```
		{
			echo("<center><br>Specialty is already existing.<BR><A href = add-spec.php onClick =
'history.go(-1)'>Back</a></center>");
		}
		else
		{
			// inserts account info
			$insert_sql = mysql_query("INSERT INTO Specialty (HCode, SpecName) VALUES
('$HCodeUser', '$SpecName')");

			// check if account was inserted
			if (mysql_affected_rows($connect) < 1)
				echo ("<center><br><br><br><br>Specialty is not added.<br><br><a href =
add-spec.php onClick = 'history.go(-1)'>Back</a></center>");
			else
				echo ("<center><br><br><br><br> Specialty is added.<br><br><a href = add-
spec.php>Back</a></center>");
				echo ("<br><br><br>");
				echo("<center>");
				echo ("<b><a href= 'add-spec.php'>Add Another Specialty</a></b><br><br>");
			}
	}
?>
	<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font><br>
	</td>
	</font>
	</table>
	</center>
</body>
</html>

// syn-fac.php
<?
	require "../header/hospital.php";
	$getName = mysql_query("SELECT * FROM facility WHERE FCode = $FCode");
	$name = mysql_fetch_array($getName);

?>
		<p class="title"><b>Synonyms for Facilities</b></p>
		<center>
		<a href="add-syn-fac.php?FCode=<?echo $FCode?>"><b></b>Add Synonym</a>
		<br>
		<br>Here are the synonyms for Facility <b><? echo $name["FName"]; ?></b>:
		<br><br>
<?
	$getSyn = mysql_query("SELECT * FROM `syn_facility` WHERE FCode = $FCode");
	if (@mysql_num_rows($getSyn) < 1)
		echo ("<br><br>0 results.");
	else
	{
?>
		<TABLE border=0 bordercolor=#FFFFFF cellpadding=4>
		<TR><TH><font size='2'>Synonym</font></TH>
			<TH><font size='2'>Edit Synonym</font></TH>
			<TH><font size='2'>Delete Synonym</font></TH></TR>
<?
		for ($i = 0; $i < mysql_num_rows($getSyn); $i++)
		{
			$data = mysql_fetch_array($getSyn);

			echo "<TR bgcolor=white>";
			echo "<TD><center><font size='2'>".$data["Synonym"]."</font></center></TD>";
			echo "<TD><center><font size='2'><a href='edit-syn-fac.php?Synonym=".
$data["Synonym"]."'>Edit</a></font></center></TD>";
			echo "<TD><center><font size='2'><a href='del-syn-fac.php?Synonym=".
$data["Synonym"]."'>Delete</a></font></center></TD>";
			echo "</TR>";
		}
			echo "</TABLE>";
	}
?>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
```

```
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// syn-spec.php
<?
	require "../header/hospital.php";
	$getName = mysql_query("SELECT * FROM `syn_specialty` WHERE SpecCode = $SpecCode");
	$name = mysql_fetch_array($getName);
?>
		<p class="title"><b>Synonyms for Specialties</b></p>
		<center>
		<a href="add-syn-spec.php?SpecCode=<?echo $SpecCode?>"><b></b>Add Synonym</a>
		<br>
		<br>Here are the synonyms for Specialty <b><?echo $name["SpecName"];?></b>:
		<br><br>
<?
	$getSyn = mysql_query("SELECT * FROM `syn_specialty` WHERE SpecCode = $SpecCode");
	if (@mysql_num_rows($getSyn) < 1)
		echo ("<br><br>0 results.");
	else
	{
?>
		<TABLE border=0 bordercolor=#FFFFFF cellpadding=4>
		<TR><TH><font size='2'>Synonym</font></TH>
			<TH><font size='2'>Edit Synonym</font></TH>
			<TH><font size='2'>Delete Synonym</font></TH></TR>
<?
		for ($i = 0; $i < mysql_num_rows($getSyn); $i++)
		{
			$data = mysql_fetch_array($getSyn);

			echo "<TR bgcolor=white>";
			echo "<TD><center><font size='2'>".$data["Synonym"]."</font></center></TD>";
			echo "<TD><center><font size='2'><a href='edit-syn-spec.php?Synonym=".
$data["Synonym"]."'>Edit</a></font></center></TD>";
			echo "<TD><center><font size='2'><a href='del-syn-spec.php?Synonym=".
$data["Synonym"]."'>Delete</a></font></center></TD>";
			echo "</TR>";
		}
			echo "</TABLE>";
	}
?>
<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// view-doclist1.php
<?
	require "../header/hospital.php";
?>
		<p class="title"><b>Available Doctor</b></p>
		<center><br>
		<A href="add-doc.php">Add Doctor</A>   
		<A href="edit-doc.php">Edit Doctor</A>   
		<A href="del-doc.php">Delete Doctor</A> 
		<br><br><br><br><br><br><br>
		<a href="view-doclist1.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
		<a href="view-doclist1.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
		<a href="view-doclist1.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
		<a href="view-doclist1.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
```

```
                    <a href="view-doclist1.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
                    <a href="view-doclist1.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
                    <a href="view-doclist1.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
                    <a href="view-doclist1.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
                    <a href="view-doclist1.php?id1=y&amp;&amp;id2=z" class="alpha">Y-Z</A> 
                    <br><br>
<?
          if (!empty($id1))
          {
                    if(empty($id3))
                              $id3 = $id2;

                    $getDoc = mysql_query("SELECT * FROM doctor WHERE (DLName LIKE '$id1%' OR DLName LIKE
'$id2%' OR DLName LIKE '$id3%') AND HCode = '$HCodeUser' ORDER BY DLName ASC");

                    if (@mysql_num_rows($getDoc) < 1)
                              echo ("<br><br>0 results.");
                    else
                    {
?>
                              <br>Below are the available doctors for <? echo $HName; ?>
                              <br>
                              <? echo "<H3>[".$id1."-".$id3."]</H3>"; ?>
                              <TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
                              <TR><TH><font size='2'>Doctor's ID</font></TH>
                              <TH><font size='2'>Last Name</font></TH>
                              <TH><font size='2'>First Name</font></TH>
                              <TH><font size='2'>Add Schedule?</font></TH></TR>
                              </TR>
<?
                              for ($i = 0; $i < mysql_num_rows($getDoc); $i++)
                              {
                                        $data = mysql_fetch_array($getDoc);

                                        echo "<TR bgcolor=white>";
                                        echo "<TD><center><font size='2'>".$data["ID"]."</font></center></TD>";
                                        echo "<TD width=20%><center><font size='2'>".
$data["DLName"]."</font></center></TD>";
                                        echo "<TD width=20%><center><font size='2'>".
$data["DFName"]."</font></center></TD>";
                                        echo "<TD><center><font size='2'><a href='add-sched.php?ID=".
$data["ID"]."'>Add Schedule</a></font></center></TD>";

                                        echo "</TR>";
                              }
                                        echo "</TABLE>";
                    }
          }
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
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us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// view-faclist.php
<?
          require "../header/hospital.php";
?>
                    <p class="title"><b>Available Facilities</b></p>
                    <center><br>
                    <A href="add-fac.php">Add Facility</A>   
                    <A href="edit-fac.php">Edit Facility</A>  
                    <br><br><br><br><br><br><br><br>
                    <a href="view-faclist.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
                    <a href="view-faclist.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
                    <a href="view-faclist.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
                    <a href="view-faclist.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
                    <a href="view-faclist.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
                    <a href="view-faclist.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
```

```
                    <a href="view-faclist.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
                    <a href="view-faclist.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
                    <a href="view-faclist.php?id1=y&amp;id2=z" class="alpha">Y-Z</A> 
                    <br><br>
<?
        if (!empty($id1))
        {
                if(empty($id3))
                        $id3 = $id2;
                $getFac = mysql_query("SELECT * FROM facility WHERE (FName LIKE '$id1%' OR FName LIKE '$id2%'
OR FName LIKE '$id3%') AND HCode = '$HCodeUser'");

                if (@mysql_num_rows($getFac) < 1)
                        echo ("<br><br>0 results.");
                else
                {
?>
                        <br>Below are the available facilities for <? echo $HName; ?>
                        <br>
                        <? echo "<H3>[".$id1."-".$id3."]</H3>"; ?>
                        <TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
                        <TR><TH><font size='2'>Code</font></TH>
                        <TH><font size='2'>Name</font></TH>
                        <TH><font size='2'>Quantity</font></TH>
                        <TH><font size='2'>Synonym</font></TH>
                        <TH><font size='2'>Delete Facility?</font></TH></TR>
<?
                        for ($i = 0; $i < mysql_num_rows($getFac); $i++)
                        {
                                $data = mysql_fetch_array($getFac);

                                echo "<TR bgcolor=white>";
                                echo "<TD><center><font size='2'>".$data["FCode"]."</font></center></TD>";
                                echo "<TD width=30%><center><font size='2'>".
$data["FName"]."</font></center></TD>";
                                echo "<TD><center><font size='2'>".
$data["Number"]."</font></center></TD>";
                                echo "<TD><center><font size='2'><a href='syn-fac.php?FCode=".
$data["FCode"]."'>Synonyms</a></font></center></TD>";
                                echo "<TD><center><font size='2'><a href='del-fac.php?FCode=".
$data["FCode"]."'>Delete</a></font></center></TD>";
                                echo "</TR>";
                        }
                                echo "</TABLE>";
                }
        }
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
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us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// view-schedlist.php
<?
        require "../header/hospital.php";
?>
                    <p class="title"><b>Schedules of Doctors</b></p>
                    <center><br>
                    <br><br><br><br><br>
                    <a href="view-schedlist.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
                    <a href="view-schedlist.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
                    <a href="view-schedlist.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
                    <a href="view-schedlist.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
                    <a href="view-schedlist.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
                    <a href="view-schedlist.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
                    <a href="view-schedlist.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
                    <a href="view-schedlist.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
                    <a href="view-schedlist.php?id1=y&amp;&amp;id2=z" class="alpha">Y-Z</A> 
                    <br><br>
```

```
<?
	if (!empty($id1))
	{
		if(empty($id3))
			$id3 = $id2;

		$getSched = mysql_query("SELECT * FROM doctor, schedule WHERE doctor.ID = schedule.ID AND
(DLName LIKE '$id1%' OR DLName LIKE '$id2%' OR DLName LIKE '$id3%') AND HCode = '$HCodeUser' ORDER BY
DLName");

		if (@mysql_num_rows($getSched) < 1)
			echo ("<br><br>0 results.");
		else
		{
?>
			<br>Below are the available doctors for <? echo $HName; ?>
			<br>
			<? echo "<H3>[".$id1."-".$id3."]</H3>"; ?>
			<TABLE border=1 bordercolor=#FFFFFF width=95% cellpadding=3>
			<TR>
				<TH><font size='2'>ID</font></TH>
				<TH><font size='2'>Doctor's Name</font></TH>
				<TH><font size='2'>Day</font></TH>
				<TH><font size='2'>Time Start</font></TH>
				<TH><font size='2'>Time End</font></TH>
				<TH><font size='2'>Edit Schedule?</font></TH>
				<TH><font size='2'>Delete Schedule?</font></TH></TR>
			</TR>
<?
			for ($i = 0; $i < mysql_num_rows($getSched); $i++)
			{
				$data = mysql_fetch_array($getSched);

				echo "<TR bgcolor=white >";
				echo "<TD><center><font size='2'>".$data["ID"]."</font></center></TD>";
				echo "<TD align=center><font size='2'>".$data["DLName"]." ".", ".
$data["DFName"]."</font></center></TD>";
				echo "<TD><center><font size='2'>".$data["day"]."</font></center></TD>";
				echo "<TD><center><font
size='2'>".DispTime($data["TimeStart"])."</font></center></TD>";
				echo "<TD><center><font size='2'>".DispTime
($data["TimeEnd"])."</font></center></TD>";
				echo "<TD><center><font size='2'><a href='edit-sched.php?ID=".
$data["SID"]."'>Edit </a></font></center></TD>";
				echo "<TD><center><font size='2'><a href='del-sched.php?ID=".
$data["SID"]."'>Delete </a></font></center></TD>";
				echo "</TR>";
			}
				echo "</TABLE>";
		}
	}
?>
<?
	function DispTime($time)
	{
		if ($time >= 12)
		{
			if ($time > 12)
				$time = $time - 12;
		$time = $time. " PM";
		}
		else
			$time = $time. " AM";
	return $time;
	}
?>

<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
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us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
```

```
</body>
</html>

// view=speclist.php
<?
	require "../header/hospital.php";
?>
			<p class="title"><b>Available Specialties</b></p>
			<center><br>
			<A href="add-spec.php">Add Specialty</A>   
			<A href="edit-spec.php">Edit Specialty</A>  
			<br><br><br><br><br><br><br>
			<a href="view-speclist.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
			<a href="view-speclist.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
			<a href="view-speclist.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
			<a href="view-speclist.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
			<a href="view-speclist.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
			<a href="view-speclist.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
			<a href="view-speclist.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
			<a href="view-speclist.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
			<a href="view-speclist.php?id1=y&amp;id2=z&amp; "class="alpha">Y-Z</A> 
			<br><br>
<?
	if (!empty($id1))
	{
		if(empty($id3))
			$id3 = $id2;
		$getSpec = mysql_query("SELECT * FROM specialty WHERE (SpecName LIKE '$id1%' OR SpecName
LIKE '$id2%' OR SpecName LIKE '$id3%') AND HCode = '$HCodeUser'");

		if (@mysql_num_rows($getSpec) < 1)
			echo ("<br><br>0 results.");
		else
		{
?>
			<br>Below are the available Specialties for <? echo $HName; ?>
			<br>
			<? echo "<H3>[".$id1."-".$id3."]</H3>"; ?>
			<TABLE border=1 bordercolor=#FFFFFF cellpadding=4>
			<TR><TH><font size='2'>Specialty Code</font></TH>
			<TH><font size='2'>Specialty/ Specialization</font></TH>
			<TH><font size='2'>Synonym</font></TH>
			<TH><font size='2'>Delete Specialty?</font></TH></TR>
<?
			for ($i = 0; $i < mysql_num_rows($getSpec); $i++)
			{
				$data = mysql_fetch_array($getSpec);

				echo "<TR bgcolor=white>";
				echo "<TD><center><font size='2'>".
$data["SpecCode"]."</font></center></TD>";
				echo "<TD width=30%><center><font size='2'>".
$data["SpecName"]."</font></center></TD>";
				echo "<TD><center><font size='2'><a href='syn-spec.php?SpecCode=".
$data["SpecCode"]."'>Synonyms</a></font></center></TD>";
				echo "<TD><center><font size='2'><a href='del-spec.php?SpecCode=".
$data["SpecCode"]."'>Delete</a></font></center></TD>";
				echo "</TR>";
			}
				echo "</TABLE>";
		}
	}
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br>
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us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// check_sysad.php
```

```
<?
	session_start();
	if ($type != "system admin")
	{
		header("location: ../index.php");
		exit();
	}
?>

// form.js
function chkForm(form1)
{
	count = 0;

	if (form1.HCode.value.length == 0)
		count++;
	if (form1.HName.value.length == 0)
		count++;
	if (form1.X.value.length == 0)
		count++;
	if (form1.Y.value.length == 0)
		count++;
	if (count > 0)
	{
		alert("Missing field.");
		return false;
	}
		return true;
}

// sys-add.php
<?
	require "check_sysad.php";
	require "../header/sys_admin.php";
?>
<script language="JavaScript1.2">

var zoomFactor = 3 //Enter factor (1=100%)
var ImgArray = new Array("../images/metromanila0_map.gif", "../images/metromanila1_map.gif",
"../images/metromanila2_map.gif", "../images/metromanila3_map.gif", "../images/metromanila4_map.gif",
"../images/metromanila5_map.gif");

function zoom(state)
{
	if(state == 'in' && zoomFactor < 5)
	{
		zoomFactor++;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		//document.images.metromanila.style.useMap = "map1";
		changeImg(zoomFactor-1, zoomFactor);
	}
	if(state == 'restore')
	{
		old = zoomFactor;
		zoomFactor = 3;
		changeImg(old, zoomFactor);
	}

	if(state == 'out' && zoomFactor > 1)
	{
		zoomFactor--;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		changeImg(zoomFactor+1, zoomFactor);
	}
	return;
}

function changeImg(id_1, id_2)
{
	obj1 = document.getElementById(id_1);
	obj2 = document.getElementById(id_2);
	if(obj1.style.display != "none" )
		obj1.style.display = "none";   // set previous object to invisible mode
	obj2.style.display = "inline";              // set new object to visible mode
}
```

```
</script>

	<p align="center" class="title">Registration Page</p>
	<center>
	<table border=0 bgcolor=white>
	<tr>
		<td>
		<div style="background-color:#FFFFCC"><b>Map Control</b></div><br>
		<div style="background-color:#FFFFFF">
		<a href="#" onClick="zoom('in')">Zoom In</a> |
		<a href="#" onClick="zoom('restore')">Normal</a> |
		<a href="#" onClick="zoom('out')">Zoom Out</a>
		</div>
		</td>
	</tr>
	</table>
	<table border=0>
	<tr>
		<td align=center>
		<map name="map1">
		<area href="sys-add2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="93, 236, 108, 234,
133, 218, 145, 198, 107, 169, 108, 159, 82, 155, 79, 148, 72, 149, 66, 156, 57, 156, 53, 163, 61, 183, 52, 184, 68,
212">
		</map>
		<map name="map2">
		<area href="sys-add2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="122, 317, 144, 314,
155, 305, 179, 291, 183, 278, 195, 267, 141, 226, 142, 213, 95, 213, 86, 214, 74, 214, 69, 223, 80, 248, 70, 247, 92,
284, 122, 312, 123, 313">
		</map>
		<map name="map3">
		<area href="sys-add2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="92, 268, 121, 273,
126, 260, 137, 266, 160, 265, 167, 267, 176, 267, 177, 286, 244, 334, 242, 339, 230, 350, 226, 361, 174, 394, 156, 392,
117, 354, 86, 308, 102, 309, 87, 275">
		</map>
		<map name="map4">
		<area href="sys-add2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="212, 324, 206, 342,
291, 401, 294, 406, 277, 418, 271, 434, 211, 471, 190, 473, 185, 471, 144, 428, 103, 376, 122, 372, 106, 331, 113, 316,
139, 325, 150, 315, 162, 323, 184, 319, 195, 319">
		</map>
		<map name="map5">
		<area href="sys-add2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="133, 367, 156, 377,
164, 352, 189, 375, 219, 371, 245, 377, 241, 397, 340, 471, 335, 480, 320, 489, 316, 509, 249, 550, 231, 553, 214, 547,
161, 498, 118, 438, 118, 434, 141, 435, 118, 388">
		</map>

		<img id = 1 name="metromanila" src="../images/metromanila1_map.gif" border=1 usemap="#map1"
style = "display: none">
		<img id = 2 name="metromanila" src="../images/metromanila2_map.gif" border=1 usemap="#map2"
style = "display: none">
		<img id = 3 name="metromanila" src="../images/metromanila3_map.gif" border=1 usemap="#map3"
style = "display: inline">
		<img id = 4 name="metromanila" src="../images/metromanila4_map.gif" border=1 usemap="#map4"
style = "display: none">
		<img id = 5 name="metromanila" src="../images/metromanila5_map.gif" border=1 usemap="#map5"
style = "display: none">
		</td>
	</table>

	<br><br><br><br><br><br><br>
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href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font><br>
	</td>
	</font>
	</table>
	</center>
</body>
</html>

// sys-add2.php
<?
	require "check_sysad.php";
	require "../header/sys_admin.php";

?>
<script language="JavaScript1.2">
```

```
var zoomFactor = 3 //Enter factor (1=100%)

function zoom(state)
{
	if(state == 'in' && zoomFactor < 5)
	{
		zoomFactor++;
		changeImg(zoomFactor-1, zoomFactor);
	}
	if(state == 'restore')
	{
		old = zoomFactor;
		zoomFactor = 3;
		changeImg(old, zoomFactor);
	}

	if(state == 'out' && zoomFactor > 1)
	{
		zoomFactor--;
		changeImg(zoomFactor+1, zoomFactor);
	}
	return;
}

function changeImg(id_1, id_2)
{
	obj1 = document.getElementById(id_1);
	obj2 = document.getElementById(id_2);
	if(obj1.style.display != "none" )
		obj1.style.display = "none";   // set previous object to invisible mode
	obj2.style.display = "inline";              // set new object to visible mode
}
</script>

	<p align="center" class="title">View Map</p>
	<center>
	<table border=0>
	<tr>
		<td align=center><font size=4><b>Map of Manila</b></font><br><br><table border=0>
		<p><map name="FPMap0">
		<?
		echo "<area href='sys-add3.php?
pic=manila1.gif&amp;step2X=0&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon' coords='13,
48, 69, 21, 142, 9, 188, 8, 187, 303, 13, 302, 0, 213'>";
		 echo "<area href='sys-add3.php?
pic=manila2.gif&amp;step2X=1&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='188, 7, 388, 4, 388, 304, 190, 303'>";
		 echo "<area href='sys-add3.php?
pic=manila3.gif&amp;step2X=2&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='532, 301, 564, 247, 577, 155, 585, 68, 565, 22, 393, 5, 392, 302'>";
		echo "<area href='sys-add3.php?
pic=manila4.gif&amp;step2X=0&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon' coords='11,
304, 37, 415, 164, 606, 165, 306'>";
		echo "<area href='sys-add3.php?
pic=manila5.gif&amp;step2X=1&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='168, 305, 339, 305, 338, 605, 167, 606'>";
		echo "<area href='sys-add3.php?
pic=manila6.gif&amp;step2X=2&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='341, 307, 531, 306, 537, 470, 519, 565, 351, 729, 341, 597'>";
		?>
		</map>
		<img border="1" src="../images/manila_map.gif" usemap="#FPMap0" width="586"
height="730"></p>
		</td>
	</tr>
	</table>

	<br><br><br><br><br><br><br>
	<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
	</font><br>
	</td>
	</font>
	</table>
	</center>
</body>
```

```
</html>

// sys-add3.php
<?
	require "check_sysad.php";
	include "../connect.php";
	$getCoords = mysql_query("SELECT * FROM hospital");
	if(@mysql_num_rows($getCoords) > 0)
	{
		echo "<form name='coords' method='post' action'sys-add3.php'>";
		for($i = 0; $i < @mysql_num_rows($getCoords); $i++)
		{
			$coords = mysql_fetch_array($getCoords);
			echo "<input type='hidden' name='cx[]' value='".$coords["X"]."'>";
			echo "<input type='hidden' name='cy[]' value='".$coords["Y"]."'>";
		}
		echo "</form>";
	}
?>
<html>
<head>
<title> System Administrator Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="../images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% height=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="../date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="60%">  
		<a href="../search.php" class="main"><b>Search</b></a>
		   |    
		<a href="../about.php" class=main><b>About NHSIS</b></a>	   |    
		<a href="../logout.php" class="main"><b>Log Out</b></a>     
		</td>
	</tr>
<tr>
	<td background="../images/title.gif" style="background-repeat: no-repeat" valign="top" colspan=2>
		<br>
<center>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<p align="center" class="title">Registration Page</p>

<center>This is solely for administrative purposes.</center><br>
<?php
if (empty($submit))
{
?>
<div id="theOne" style="position:relative;height:100px;width:300px;">
<?
	echo"<img border=1 src='../images/".$pic."' onclick='hereIam();'>";
?>
</div>
<br><br>
<center><b><A href = sys-add.php onClick = 'history.go(-1)'>Back</A></b></center>
<script type="text/javascript">

//var number = document.coords.cx[1].value;
//alert(number);

var jg_doc = new jsGraphics("theOne");

stepsize1_X = 2502;		// x interval for metro manila
stepsize1_Y = 2310;   // y interval for metro manila
```

```
stepsize2_X = 834;    // x interval for city
stepsize2_Y = 1155;  // y interval for city

function Draw(x, y)
{
	// draws marker
	jg_doc.clear();
	jg_doc.setStroke(2);
	jg_doc.setColor("#FF0066"); // orange
	jg_doc.fillEllipse(x, y, 17, 17); // co-ordinates related to the document
	jg_doc.paint(); // draws, in this case, directly into the document
}

function hereIam()
{
	// gets mouse coordinates
  locX=event.offsetX;
  locY=event.offsetY;

  s1X = document.hidden.step1X.value;
  s1Y = document.hidden.step1Y.value;
  s2X = document.hidden.step2X.value;
  s2Y = document.hidden.step2Y.value;

  prev_x_coor = s1X*stepsize1_X+s2X*stepsize2_X;
  prev_y_coor = s1Y*stepsize1_Y+s2Y*stepsize2_Y;

  document.all.X.value = locX+prev_x_coor;
  document.all.Y.value = locY+prev_y_coor;

  Draw(locX, locY);
}
function Draw_trans(x, y)
{
	var jg_doc = new jsGraphics("theOne");
	jg_doc.setColor("transparent"); // clear
	jg_doc.fillEllipse(x, y, 10, 10); // co-ordinates related to the document
	jg_doc.paint(); // draws, in this case, directly into the document
}

function chkSysAdd()
{
	if(document.addHosp.HName.value.length == 0 || document.addHosp.InitPass.value.length == 0 ||
document.addHosp.RetPass.value.length == 0)
	{
		alert("Required field missing.");
		return false;
	}
	else
		if(document.addHosp.InitPass.value != document.addHosp.RetPass.value)
		{
			alert("Passwords do not match.");
			return false;
		}
	return true;
}
</script>

<script language = JavaScipt src = ../form.js></script>
<?
	echo "<br>Required fields. (*)";
?>
		<form name="hidden" method="post" action="sys-add3.php">
		<input type="hidden" name="step1X" value="<?echo $step1X; ?>">
		<input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
		<input type="hidden" name="step2X" value="<?echo $step2X; ?>">
		<input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
		</form>
		<FORM METHOD="post" ACTION="sys-add3.php" name="addHosp" onSubmit = "return
chkSysAdd();">
		<center>
		<table width=80% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
		<!--  <tr>
				<td>Hospital Code:  </td>
				<td><INPUT TYPE="text" NAME="HCode" size="20"></td></tr> -->
```

```
				<input type="hidden" name="pic" value="<?echo $pic; ?>">
				<tr><td><p align=center><i>add new hospital here</i></td></tr>
				<tr>
					<td> *Hospital Name:  </td>
					<td><INPUT TYPE="text" NAME="HName" size="20"></td></tr>
				<tr>
					<td>*Initial Password:     </td>
					<td><INPUT TYPE= password NAME="InitPass" size="20"></td></tr>
				<tr>
					<td>*Retype Password:   </td>
					<td><INPUT TYPE= password NAME="RetPass" size="20"></td></tr>
				<tr>
					<td>  X-Coordinates:  </td>
					<td><INPUT TYPE="text" NAME="X" size="20"></td></tr>
				<tr>
					<td>  Y-Coordinates:  </td>
					<td><INPUT TYPE="text" NAME="Y" size="20"></td></tr>
				<tr>
					<td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add"
NAME= "submit" CLASS = "button">   
					   <input type="reset" value="Clear Selection" CLASS =
"button"></td>
				</tr>

			</table>
			</FORM>
<?
		}
		else
		{
			include "../connect.php";
			// checks if user is existing already
		//	$check_sql = mysql_query("SELECT * FROM users WHERE username = '$HCode'");
   if (empty($HCode) || empty($HName) || empty($InitPass) || empty($RetPass))
		{
		   //echo "kulang ang info";

		}

		$check_sql = mysql_query("SELECT * FROM hospital WHERE X = '$X' and Y = '$Y'");
		if (mysql_num_rows($check_sql) != 0 )
		{
			echo("<CENTER><br>Username already existing.<BR><A href = 'sys-add3.php?pic=$pic' onClick =
'history.go(-1)'>Back</A></CENTER>");
		}
			else
			{
				// inserts account info
				$insert_sql = mysql_query("INSERT INTO hospital(HCode, HName, X, Y)
VALUES('','$HName', '$X', '$Y')");

				$getCode = mysql_query("SELECT * FROM hospital WHERE X = '$X' and Y = '$Y'");
				$row = mysql_fetch_row($getCode);
				$code = $row[0];

				$insert_sql = mysql_query("INSERT INTO users VALUES('$code','$InitPass','hospital')");

				// check if account was inserted
				if (mysql_affected_rows($connect) < 1)
					echo ("<CENTER><BR>The account is not inserted.<BR><br><A href = 'sys-
add3.php?pic=$pic' onClick = 'history.go(-1)'>Back</A></CENTER>");
				else
					echo ("<CENTER><BR>Account with <font color = 'white' style = 'font-weight:
bold'>	HCode $code </font> added.<br><br><A href = 'sys-add3.php?pic=$pic' onClick = 'history.go(-
1)'>Back</A></CENTER>");
			}
		}

?>

<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
		<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font><br>
		</td>
		</font>
```

```
		</table>
		</center>
</body>
</html>

// sys-add-loc.php
<?
		require "check_sysad.php";
		require "../header/sys_admin.php";
?>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<p align="center" class="title">Add Street Location</p>
<?php
if (empty($submit))  {
?>
<script language = "JavaScript" src = "../showTextBox.js"></script>

			<form name="hidden" method="post" action="sys-add3.php">
			<input type="hidden" name="step1X" value="<?echo $step1X; ?>">
			<input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
			<input type="hidden" name="step2X" value="<?echo $step2X; ?>">
			<input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
			</form>
			<FORM METHOD="post" ACTION="sys-add-loc.php" NAME="addLoc" onSubmit = "return
chkSysAdd()";>
			<input type="hidden" name="pic" value="<?echo $pic; ?>">
			<center>
			<table width=85% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none align = center>
				<tr>
					<td align=left valign=top>* Street 1:  
					<SELECT name = "Street1a" onChange =
"if(this.value=='Others1')changeDIV1(this); else { removeBox(1);}">
					<? @getStreetList("Street1"); ?>
					</SELECT>
					<div id="divOthers1" name="div1" style="display:none;">
					   <br>Enter Street1:  <input
type="text" name="Street1"></input>
					</div>
					</td>
					<td valign=top>* Street 2:  
					<SELECT name = "Street2a" onChange =
"if(this.value=='Others2')changeDIV2(this); else {removeBox(2);}">
					<? @getStreetList("Street2"); ?>
					</SELECT>
					<div id="divOthers2" name="div2" style="display:none;">
					   <br>Enter Street2:  <input
type="text" name="Street2"></input>
					</div>
					</td></tr>
				<tr>
					<td colspan=2 align=center>* City:     <SELECT id = "s" name
= "City">
					<? @getCityList(); ?>
					</SELECT>
					</td></tr>
				<tr>
					<td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add
Street Location" NAME= "submit" CLASS = "button">   
				</tr>
			</table>
			</FORM>
<?
		}
		else
		{
			include "../connect.php";

			if(empty($Street1))
				$Street1 = $Street1a;
			if(empty($Street2))
				$Street2 = $Street2a;
			echo "<center>";
			echo "Attempt to add the following street location info: <p>";
			echo "<b>Street1: ".$Street1."<br>Street2: ".$Street2."<br>City: ".$City."</b>";
```

```
			// checks if street corner is existing already
			$check_sql1 = mysql_query("SELECT * FROM streetlocation WHERE Street1 = '$Street1' AND Street2 =
'$Street2'");
			if (@mysql_num_rows($check_sql1) !=  0 )
			{
				echo("<CENTER><br>Street corner already existing.<BR><A href = sys-add-loc.php onClick
= 'history.go(-1)'>Back</A></CENTER>");
				displayFooter();
				exit;
			}
			// checks if street corner is existing already, with Streets 1 and 2 interchanged
			$check_sql1 = mysql_query("SELECT * FROM streetlocation WHERE Street1 = '$Street2' AND Street2 =
'$Street1'");
			if (@mysql_num_rows($check_sql1) !=  0 )
			{
				echo("<CENTER><br>Street corner already existing.<BR><A href = sys-add-loc.php onClick
= 'history.go(-1)'>Back</A></CENTER>");
				displayFooter();
				exit;
			}
			echo "<br><br>Street Corner does not exist yet.";
			echo "<br>You will be directed to the map page in a few seconds for the location coordinates...";
			// save entered values
			session_register("City", "Street1", "Street2");
			// redirect to map page for the coordinates
?>
			<HTML><HEAD><META http-equiv = "Refresh" content = "5;URL = ../sysad/sys-add-
loc2.php"></HEAD></HTML>
<?
		}
		displayFooter();
?>
<?
		function getCityList()
		{
			// function for getting available list of cities from the database
			$get_cities = mysql_query("SELECT DISTINCT City FROM streetlocation");
			for($i = 0; $i < mysql_num_rows($get_cities); $i++)
			{
				$data = mysql_fetch_array($get_cities);
				if (!empty($data["City"]))
					echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
			}
		}
		function getStreetList($streetNum)
		{
			// function for getting available list of streets from the database
			$get_streets = mysql_query("SELECT DISTINCT $streetNum FROM streetlocation ORDER BY
$streetNum		");
			for($i = 0; $i < mysql_num_rows($get_streets); $i++)
			{
				$data = mysql_fetch_array($get_streets);
				if (!empty($data[$streetNum]))
					echo "<option value = '".$data[$streetNum]."'>".$data[$streetNum]."</option>";
			}
			if($streetNum == "Street1")
				echo "<option value = 'Others1'>Others</option>";
			else
				echo "<option value = 'Others2'>Others</option>";
		}
		function displayFooter()
		{
?>

<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
			<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
			</font><br>
			</td>
			</font>
			</table>
			</center>
			</body>
			</html>
<?
		}
```

```
?>

// sys-addloc1.php
<?
	require "check_sysad.php";
	require "../header/sys_admin.php";
?>
<script language="JavaScript1.2">
var zoomFactor = 3 //Enter factor (1=100%)
var ImgArray = new Array("../images/metromanila0_map.gif", "../images/metromanila1_map.gif",
"../images/metromanila2_map.gif", "../images/metromanila3_map.gif", "../images/metromanila4_map.gif",
"../images/metromanila5_map.gif");

function zoom(state)
{
	if(state == 'in' && zoomFactor < 5)
	{
		zoomFactor++;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		//document.images.metromanila.style.useMap = "map1";
		changeImg(zoomFactor-1, zoomFactor);
	}
	if(state == 'restore')
	{
		old = zoomFactor;
		zoomFactor = 3;
		changeImg(old, zoomFactor);
	}

	if(state == 'out' && zoomFactor > 1)
	{
		zoomFactor--;
		//document.images.metromanila.src = ImgArray[zoomFactor];
		changeImg(zoomFactor+1, zoomFactor);
	}
	return;
}
function changeImg(id_1, id_2)
{
	obj1 = document.getElementById(id_1);
	obj2 = document.getElementById(id_2);
	if(obj1.style.display != "none" )
		obj1.style.display = "none";   // set previous object to invisible mode
	obj2.style.display = "inline";              // set new object to visible mode
}
</script>

	<p align="center" class="title">Registration Page</p>
	<center>
	<table border=0 bgcolor=white>
	<tr>
		<td>
		<div style="background-color:#FFFFCC"><b>Map Control</b></div><br>
		<div style="background-color:#FFFFFF">
		<a href="#" onClick="zoom('in')">Zoom In</a> |
		<a href="#" onClick="zoom('restore')">Normal</a> |
		<a href="#" onClick="zoom('out')">Zoom Out</a>
		</div>
		</td>
	</tr>
	</table>
	<table border=0>
	<tr>
		<td align=center>
		<map name="map1">
		<area href="sys-add-loc2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="93, 236, 108,
234, 133, 218, 145, 198, 107, 169, 108, 159, 82, 155, 79, 148, 72, 149, 66, 156, 57, 156, 53, 163, 61, 183, 52, 184, 68,
212">
		</map>
		<map name="map2">
		<area href="sys-add-loc2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="122, 317, 144,
314, 155, 305, 179, 291, 183, 278, 195, 267, 141, 226, 142, 213, 95, 213, 86, 214, 74, 214, 69, 223, 80, 248, 70, 247,
92, 284, 122, 312, 123, 313">
		</map>
		<map name="map3">
```

```
                    <area href="sys-add-loc2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="92, 268, 121,
273, 126, 260, 137, 266, 160, 265, 167, 267, 176, 267, 177, 286, 244, 334, 242, 339, 230, 350, 226, 361, 174, 394, 156,
392, 117, 354, 86, 308, 102, 309, 87, 275">

                    </map>
                    <map name="map4">
                    <area href="sys-add-loc2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="212, 324, 206,
342, 291, 401, 294, 406, 277, 418, 271, 434, 211, 471, 190, 473, 185, 471, 144, 428, 103, 376, 122, 372, 106, 331, 113,
316, 139, 325, 150, 315, 162, 323, 184, 319, 195, 319">
                    </map>
                    <map name="map5">
                    <area href="sys-add-loc2.php?step1X=0&amp;step1Y=1" shape="polygon" coords="133, 367, 156,
377, 164, 352, 189, 375, 219, 371, 245, 377, 241, 397, 340, 471, 335, 480, 320, 489, 316, 509, 249, 550, 231, 553, 214,
547, 161, 498, 118, 438, 118, 434, 141, 435, 118, 388">
                    </map>

                    <img id = 1 name="metromanila" src="../images/metromanila1_map.gif" border=1 usemap="#map1"
style = "display: none">
                    <img id = 2 name="metromanila" src="../images/metromanila2_map.gif" border=1 usemap="#map2"
style = "display: none">
                    <img id = 3 name="metromanila" src="../images/metromanila3_map.gif" border=1 usemap="#map3"
style = "display: inline">
                    <img id = 4 name="metromanila" src="../images/metromanila4_map.gif" border=1 usemap="#map4"
style = "display: none">
                    <img id = 5 name="metromanila" src="../images/metromanila5_map.gif" border=1 usemap="#map5"
style = "display: none">
                    </td>
          </table>

          <br><br><br><br><br><br><br>
          <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
          </font><br>
          </td>
          </font>
          </table>
          </center>
</body>
</html>

// sys-add-loc2.php
<?
          require "check_sysad.php";
          require "../header/sys_admin.php";
          $step1X = 0; $step1Y = 1; // for Manila
?>
<script language="JavaScript1.2">
var zoomFactor = 3 //Enter factor (1=100%)

function zoom(state)
{
          if(state == 'in' && zoomFactor < 5)
          {
                    zoomFactor++;
                    changeImg(zoomFactor-1, zoomFactor);
          }
          if(state == 'restore')
          {
                    old = zoomFactor;
                    zoomFactor = 3;
                    changeImg(old, zoomFactor);
          }

          if(state == 'out' && zoomFactor > 1)
          {
                    zoomFactor--;
                    changeImg(zoomFactor+1, zoomFactor);
          }
          return;
}

function changeImg(id_1, id_2)
{
          obj1 = document.getElementById(id_1);
          obj2 = document.getElementById(id_2);
          if(obj1.style.display != "none" )
```

```
                    obj1.style.display = "none";    // set previous object to invisible mode
          obj2.style.display = "inline";              // set new object to visible mode
}
</script>

          <p align="center" class="title">Adding Streets</p>
          <center>
          <table border=0>
          <tr>
                    <td align=center><font size=4><b>Map of Manila</b></font><br><br><table border=0>
                    <p><map name="FPMap0">
                    <?
                    echo "<area href='sys-add-loc3.php?
pic=manila1.gif&amp;step2X=0&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon' coords='13,
48, 69, 21, 142, 9, 188, 8, 187, 303, 13, 302, 0, 213'>";
                     echo "<area href='sys-add-loc3.php?
pic=manila2.gif&amp;step2X=1&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='188, 7, 388, 4, 388, 304, 190, 303'>";
                     echo "<area href='sys-add-loc3.php?
pic=manila3.gif&amp;step2X=2&amp;step2Y=0&amp;step1X=$step1X&amp;step1Y=$step1Y' shape='polygon'
coords='532, 301, 564, 247, 577, 155, 585, 68, 565, 22, 393, 5, 392, 302'>";
                    echo "<area href='sys-add-loc3.php?
pic=manila4.gif&amp;step2X=0&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon' coords='11,
304, 37, 415, 164, 606, 165, 306'>";
                    echo "<area href='sys-add-loc3.php?
pic=manila5.gif&amp;step2X=1&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='168, 305, 339, 305, 338, 605, 167, 606'>";
                    echo "<area href='sys-add-loc3.php?
pic=manila6.gif&amp;step2X=2&amp;step2Y=1&amp;step1X=$step1X&amp;step1Y=$step1Y'shape='polygon'
coords='341, 307, 531, 306, 537, 470, 519, 565, 351, 729, 341, 597'>";
                    ?>
                    </map>
                    <img border="1" src="../images/manila_map.gif" usemap="#FPMap0" width="586"
height="730"></p>
                    </td>
          </tr>
          </table>
          <br><br><br><br><br><br><br>
          <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
          </font><br>
          </td>
          </font>
          </table>
          </center>
</body>
</html>

// sys-add-loc3.php
<?
          require "check_sysad.php";
          include "../connect.php";
?>
<html>
<head>
<title> System Administrator Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
          <tr>
                    <td width="80%" colspan="3" align=center>
                    <img src="../images/nhsis.gif">
                    </td>
          </tr>
</table>
<table width=100% height=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
          <tr bgcolor=#FFFFCC>
                    <td><font face="Arial" size = "2" align=center color="#2266BB">
                    <b><SCRIPT language="JavaScript" src="../date.js"></SCRIPT></b>
                    </font>
                    </td>
                    <td align="right" width="60%">&amp;nbsp;&amp;nbsp;
```

```
                        <a href="../search.php" class="main"><b>Search</b></a>
                           |    
                        <a href="../about.php" class=main><b>About NHSIS</b></a>           |    
                        <a href="../logout.php" class="main"><b>Log Out</b></a>     
                        </td>
        </tr>
<tr>
        <td background="../images/title.gif" style="background-repeat: no-repeat" valign="top" colspan=2>
                <br>
<center>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<p align="center" class="title">Registration Page</p>

<center>This is solely for administrative purposes.</center><br>
<?php
if (empty($submit))
{
?>
<div id="theOne" style="position:relative;height:100px;width:300px;">
<?
        echo"<img border=1 src='../images/".$pic."' onclick='hereIam();'>";
?>
</div>
<br><br>
<center><b><A href = sys-add-loc.php onClick = 'history.go(-1)'>Back to Metro Manila Map</A></b></center>
<script type="text/javascript">

//var number = document.coords.cx[1].value;
//alert(number);

var jg_doc = new jsGraphics("theOne");

stepsize1_X = 2502;             // x interval for metro manila
stepsize1_Y = 2310;   // y interval for metro manila
stepsize2_X = 834;    // x interval for city
stepsize2_Y = 1155;  // y interval for city

function Draw(x, y)
{
        // draws marker
        jg_doc.clear();
        jg_doc.setStroke(2);
        jg_doc.setColor("#FF0066"); // orange
        jg_doc.fillEllipse(x, y, 17, 17); // co-ordinates related to the document
        jg_doc.paint(); // draws, in this case, directly into the document
}

function hereIam()
{
        // gets mouse coordinates
  locX=event.offsetX;
  locY=event.offsetY;

  s1X = document.hidden.step1X.value;
  s1Y = document.hidden.step1Y.value;
  s2X = document.hidden.step2X.value;
  s2Y = document.hidden.step2Y.value;

  prev_x_coor = s1X*stepsize1_X+s2X*stepsize2_X;
  prev_y_coor = s1Y*stepsize1_Y+s2Y*stepsize2_Y;

  document.all.X.value = locX+prev_x_coor;
  document.all.Y.value = locY+prev_y_coor;

  Draw(locX, locY);
}

function Draw_trans(x, y)
{
        var jg_doc = new jsGraphics("theOne");
        jg_doc.setColor("transparent"); // clear
        jg_doc.fillEllipse(x, y, 10, 10); // co-ordinates related to the document
        jg_doc.paint(); // draws, in this case, directly into the document
}
</script>
```

```
<script language = JavaScipt src = ../form.js></script>
<script language = "JavaScript" src = "../showTextBox.js"></script>
                        <form name="hidden" method="post" action="sys-add3.php">
                        <input type="hidden" name="step1X" value="<?echo $step1X; ?>">
                        <input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
                        <input type="hidden" name="step2X" value="<?echo $step2X; ?>">
                        <input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
                        </form>
                        <FORM METHOD="post" ACTION="sys-add-loc3.php" NAME="addLoc" onSubmit = "return
chkSysAdd()";>
                        <input type="hidden" name="pic" value="<?echo $pic; ?>">
                        <center>
                        <table width=40% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=2 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                                <tr bgcolor=#EEEE99>
                                        <th> Street 1:</th><td><? echo $Street1 ?></td>
                                </tr>
                                <tr bgcolor=#EEEE99>
                                        <th> Street 2:</th><td><? echo $Street2 ?></td>
                                </tr>
                                <tr bgcolor=#EEEE99>
                                        <th> City:</th><td><? echo $City ?></td>
                                </tr>
                                <tr>
                                        <td>  X-Coordinates:  </td>
                                        <td><INPUT TYPE="text" NAME="X" size="20"></td></tr>
                                <tr>
                                        <td>  Y-Coordinates:  </td>
                                        <td><INPUT TYPE="text" NAME="Y" size="20"></td></tr>
                                <tr>
                                        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Add
Street Location" NAME= "submit" CLASS = "button">   
                                        </td>
                                </tr>
                        </table>
                        </FORM>
<?
        }
        else
        {
                include "../connect.php";
                // inserts account info
                echo "Attempt to add the following street location info: <p>";
                echo "Street1: ".$Street1."<br>Street2: ".$Street2."<br>City  ".$City."<br>X: ".$X."<br>Y: ".$Y;
                $insert_sql = mysql_query("INSERT INTO streetlocation VALUES('$Street1','$Street2', '$City', $X,
$Y)");
                $insert_sql = mysql_query("INSERT INTO streetlocation VALUES('$Street2','$Street1', '$City', $X,
$Y)");

                // check if location was inserted
                if (@mysql_affected_rows($connect) < 1)
                        echo ("<CENTER><BR>Streets not inserted.<BR><br><A href = sys-add-loc.php>Back to
Add Street Location</A></CENTER>");
                else
                        echo ("<CENTER><BR>Streets added.<BR><br><A href = sys-add-loc.php>Add
Another</A></CENTER>");
                session_start();
                session_unregister("Street1");
                session_unregister("Street2");
                unset($Street1, $Street2);
        }
        displayFooter();
?>
<?
        function getCityList()
        {
                // function for getting available list of cities from the database
                $get_cities = mysql_query("SELECT DISTINCT City FROM streetlocation");
                for($i = 0; $i < mysql_num_rows($get_cities); $i++)
                {
                        $data = mysql_fetch_array($get_cities);
                        if (!empty($data["City"]))
                                echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
                }
        }
        function getStreetList($streetNum)
```

```
	{
		// function for getting available list of streets from the database
		$get_streets = mysql_query("SELECT DISTINCT $streetNum FROM streetlocation ORDER BY
$streetNum	");
		for($i = 0; $i < mysql_num_rows($get_streets); $i++)
		{
			$data = mysql_fetch_array($get_streets);
			if (!empty($data[$streetNum]))
				echo "<option value = '".$data[$streetNum]."'>".$data[$streetNum]."</option>";
		}
		if($streetNum == "Street1")
			echo "<option value = 'Others1'>Others</option>";
		else
			echo "<option value = 'Others2'>Others</option>";
	}
	function displayFooter()
	{
?>	<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
		<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font><br>
		</td>
		</font>
		</table>
		</center>
		</body>
		</html>
<?
	}
?>

// del1.php
<?
	require"check_sysad.php";
	require "../header/sys_admin.php";
?>
	<p align="left" class="title"><b>Delete Account </b></p>
	<center>
	<font face="Verdana" size = "2">
	     This is solely for administrative purposes.<br><br>
<?
	include "../connect.php";
	$delete_sql = mysql_query("DELETE FROM hospital WHERE HCode = '$HCode'");
		// check if account was deleted from hospital table
	if (mysql_affected_rows($connect)< 1)
	{
		echo ("<center>Delete operation failed.<br><br><A href = sys-update1.php onClick = 'history.go(-
1)'>Back</A></center><br>");
	exit();
	}

	$delete_sql = mysql_query("DELETE FROM users WHERE username = '$HCode'");
		// check if account was deleted from users table

	if (mysql_affected_rows($connect)< 1)
	{
		echo ("<center>Delete operation failed.<br><br><A href = sys-update1.php onClick = 'history.go(-
1)'>Back</A></center><br>");
	}
	else
	{
		echo ("<center>Hospital Account deleted.<BR><br><A href = sys-update1.php onClick 'history.go(-
1)'>Back</A></center><br>");
	}

?> <br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br><br>
		<center>
		<font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font>
		<br>
	</td>
  </font>
  </table>
</center>
</body>
```

```
</html>

// sys-del-loc.php
<?
	require "check_sysad.php";
	require "../header/sys_admin.php";
?>
	<p align="left" class="title"><b>Delete Street Location </b></p>
	<center>
	<font face="Verdana" size = "2">
	     This is solely for administrative purposes.<br><br>
<?
	include "../connect.php";
	echo "<br><br>";
	$delete_sql = mysql_query("DELETE FROM streetlocation WHERE x = $X AND y = $Y");
	// check if street location was deleted
	if (mysql_affected_rows($connect)< 1)
	{
		echo ("<center>Delete operation failed.<br><br><A href = sys-update-loc.php onClick = 'history.go(-
1)'>Back</A></center><br>");
	}
	else
	{
		echo ("<center>Street location deleted.<BR><br><A href = sys-update-loc.php onClick 'history.go(-
1)'>Back</A></center><br>");
	}
?>
		<br><br> <br><br><br><br><br><br> <br><br><br><br><br><br><br><br>
		<center>
		<font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font>
		<br>
	</td>
  </font>
  </table>
</center>
</body>
</html>

// sys-edit.php
<?
	require "check_sysad.php";
	require "../header/sys_admin.php";
	$getHosp = mysql_query("SELECT * FROM hospital WHERE HCode = $HCode");
	$hosp = mysql_fetch_array($getHosp);
?>
	<font face="Verdana" size = "2">
	<p class="title"><b>Update Account</b></p>
	<center>
	This is solely for administrative purposes.<br><br></center>
	<FORM METHOD="post" ACTION="sys-edit.php">
	<table width=80% cellspacing='0' cellpadding=3 bgcolor=#BBDDFF>
	<tr class="result" bgcolor=#EEEE99>
		<td width=35%>Hospital Code:</td><td><font class="value"><?echo $hosp["HCode"];?
></font></td>
	</tr>
	<tr class="result">
		<td>Hospital Name:</td><td><font class="value"><?echo $hosp["HName"];?></font></td>
	</tr>
	<tr>
		<td colspan = 2 align = center><BR><A href = "sys-edit2.php?HCode=<?echo $HCode;?>">Update
Coordinates</A><BR><BR></td>
	</tr>
	</table>
	</FORM>
		<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
		<center>
		<font face="Verdana" size="1">copyright2004. UPM. <a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font><br>
	</td>
  </font>
  </table>
</center>
</body>
```

```
</html>
<?
	function getHospitalList()
	{
		// function for getting available list of hospitals from the database
		$get_hospitals = mysql_query("SELECT DISTINCT HName FROM hospital");
		for($i = 0; $i < mysql_num_rows($get_hospitals); $i++)
		{
			$data = mysql_fetch_array($get_hospitals);
			if (!empty($data["HName"]))
				echo "<option value = '".$data["HName"]."'>".$data["HName"]."</option>";
		}
	}
?>

// sys-edit2.php
<?
	require "check_sysad.php";
	include "../connect.php";
?>
<html>
<head>
<title> System Administrator Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="../images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% height=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="../date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="60%">  
		<a href="../search.php" class="main"><b>Search</b></a>
		   |    
		<a href="../about.php" class=main><b>About NHSIS</b></a>	   |    
		<a href="../logout.php" class="main"><b>Log Out</b></a>     
		</td>
	</tr>
<tr>
	<td background="../images/title.gif" style="background-repeat: no-repeat" valign="top" colspan=2>
		<br>
<center>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<script language = "JavaScript" src = "../drawMarker.js"></script>
<p align="center" class="title">Edit Hospital Location</p>
<?php
if (empty($submit))
{
	$query = mysql_query("SELECT * FROM hospital WHERE HCode = $HCode");
	$hosp = mysql_fetch_array($query);
	$X = $hosp["X"];
	$Y = $hosp["Y"];

	$step1X = 0; $step1Y = 1;
	if($X >= 0 && $X <= 834 && $Y >= 2310 && $Y <= 3465)
	{
		$pic = "manila1.gif";
		$step2X = 0;
		$step2Y = 0;
	}
	if($X >= 835 && $X <= 1669 && $Y >= 2310 && $Y <= 3465)
	{
		$pic = "manila2.gif";
		$step2X = 1;
		$step2Y = 0;
```

```
		}
		if($X >= 1670 && $X <= 2504 && $Y >= 2310 && $Y <= 3465)
		{
			$pic = "manila3.gif";
			$step2X = 2;
			$step2Y = 0;
		}
		if($X >= 0 && $X <= 834 && $Y >= 3466 && $Y <= 4621)
		{
			$pic = "manila4.gif";
			$step2X = 0;
			$step2Y = 1;
		}
		if($X >= 835 && $X <= 1669 && $Y >= 3466 && $Y <= 4621)
		{
			$pic = "manila5.gif";
			$step2X = 1;
			$step2Y = 1;
		}
		if($X >= 1670 && $X <= 2504 && $Y >= 3466 && $Y <= 4621)
		{
			$pic = "manila6.gif";
			$step2X = 2;
			$step2Y = 1;
		}
?>
<div id="theOne" style="position:relative;height:100px;width:300px;">
<?
		echo"<img border=1 src='../images/".$pic."' onClick='hereIam();'>";
?>
</div>
<FORM name = temp>
<input type = hidden name = X1 value = <? echo $X ?>>
<input type = hidden name = Y1 value = <? echo $Y ?>>
</FORM>
<br><br>
<center><b><A href = sys-update-loc.php>Back to Update Hospital</A></b></center>
<script language = JavaScript src = ../form.js></script>
<script language = "JavaScript" src = "../showTextBox.js"></script>
			<form name="hidden" method="post" action="sys-add3.php">
			<input type="hidden" name="step1X" value="<?echo $step1X; ?>">
			<input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
			<input type="hidden" name="step2X" value="<?echo $step2X; ?>">
			<input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
			</form>
<script language = "JavaScript">

getMapCoords(document.temp.X1.value, document.temp.Y1.value);
function getMapCoords(XCoor, YCoor)
{
		s1X = document.hidden.step1X.value;
		s1Y = document.hidden.step1Y.value;
		s2X = document.hidden.step2X.value;
		s2Y = document.hidden.step2Y.value;

		document.all.X1.value = XCoor - (s1X*stepsize1_X+s2X*stepsize2_X);
		document.all.Y1.value = YCoor - (s1Y*stepsize1_Y+s2Y*stepsize2_Y);
}

var the_x = document.temp.X1.value;
var the_y = document.temp.Y1.value;
var jg_doc = new jsGraphics("theOne");

// draws marker
jg_doc.clear();
jg_doc.setStroke(2);
jg_doc.setColor("#FF0066"); // orange
jg_doc.fillEllipse(parseInt(the_x), parseInt(the_y), 17, 17); // co-ordinates related to the document
jg_doc.paint(); // draws, in this case, directly into the document
</script>

			<FORM METHOD="post" ACTION="sys-edit2.php" NAME="editLoc"";>
			<input type="hidden" name="pic" value="<?echo $pic; ?>">
			<center>
			<table width=60% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=2 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
```

```
                    <tr class="result" bgcolor=#EEEE99>
                              <td width=35%>Hospital Code:</td><td><font class="value"><?echo $hosp["HCode"];?
></font></td>
                    </tr>
                    <tr class="result" bgcolor=#EEEE99>
                              <td>Hospital Name:</td><td><font class="value"><?echo $hosp["HName"];?
></font></td>
                    </tr>
                    <tr>
                              <td>  X-Coordinates:  </td>
                              <td><INPUT TYPE="text" NAME="X" size="20" value=<?echo $X?>></td></tr>
                                        <INPUT TYPE="hidden" NAME="oldX" value=<?echo $X?>>
                                        <INPUT TYPE="hidden" NAME="oldY" value=<?echo $Y?>>
                              <tr>
                              <td>  Y-Coordinates:  </td>
                              <td><INPUT TYPE="text" NAME="Y" size="20" value=<?echo $Y?>></td></tr>
                              <tr>
                              <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Update Hospital
Location" NAME= "submit" CLASS = "button">   
                              </tr>
                    </table>
                    </FORM>
<?
          }
          else
          {
                    $check_sql = mysql_query("SELECT * FROM hospital WHERE X = $X AND Y = $Y");
                    echo "$X $Y";
                    if(($oldX != $X) || ($oldY != $Y))
                    {
                              if (@mysql_num_rows($check_sql) >  0)
                              {
                                        echo("<CENTER><br>Coordinates already in use.<BR><A href = sys-edit-
loc3.php?pic=$pic onClick = 'history.go(-1)'>Back</A></CENTER>");
                                        displayFooter();
                                        exit;
                              }
                    }
                    $data = mysql_fetch_array($check_sql);
                    // updates hospital location info
                    echo "<br>Attempt to add the following location info for hospital ".$data["HName"].": <p>";
                    echo "<br><b>X: ".$X."<br>Y: ".$Y."</b>";
                    $update_sql = mysql_query("UPDATE hospital SET X = $X, Y = $Y WHERE x = $oldX AND y = $oldY");

                    // check if location info was updated
                    if (@mysql_affected_rows($connect) < 1)
                    {
                              echo ("<CENTER><BR>Hospital profile not updated.<BR><br><A href = sys-update1.php?
pic=$pic onClick = 'history.go(-1)'>Back</A></CENTER>");
                    }
                    else
                    {
                              echo ("<CENTER><BR>Hospital profile updated.<BR><br><A href = sys-update1.php?
pic=$pic onClick = 'history.go(-1)'>Back </A></CENTER>");
                    }
          }
          displayFooter();
?>
<?
          function displayFooter()
          {
?>
          <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
                    <center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
                    </font><br>
                    </td>
                    </font>
                    </table>
                    </center>
                    </body>
                    </html>
<?
          }

?>
```

```
// sys-edit-loc.php
<?
	require "check_sysad.php";
	include "../connect.php";
?>
<html>
<head>
<title> System Administrator Mode</title>
<link href = "../mey.css" type = "text/css" rel = stylesheet>
</head>
<body bgcolor="white" text="#000066" alink="#ff3399" vlink="#ff3399" link="#ff3399" marginheight=0
bottommargin="20" topmargin="10" leftmargin="50" rightmargin="50">
<center>
<table bgcolor="#FFCC66" border=1 bordercolor=black width="100%" cellpadding=0 cellspacing=0>
	<tr>
		<td width="80%" colspan="3" align=center>
		<img src="../images/nhsis.gif">
		</td>
	</tr>
</table>
<table width=100% height=100% cellspacing=0 cellpadding=2 border=1 bordercolor=black bgcolor=#77CC88
rules=rows>
	<tr bgcolor=#FFFFCC>
		<td><font face="Arial" size = "2" align=center color="#2266BB">
		<b><SCRIPT language="JavaScript" src="../date.js"></SCRIPT></b>
		</font>
		</td>
		<td align="right" width="60%">  
		<a href="../search.php" class="main"><b>Search</b></a>
		   |    
		<a href="../about.php" class=main><b>About NHSIS</b></a>	   |    
		<a href="../logout.php" class="main"><b>Log Out</b></a>     
		</td>
	</tr>
<tr>
	<td background="../images/title.gif" style="background-repeat: no-repeat" valign="top" colspan=2>
		<br>
<center>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<script language = "JavaScript" src = "../drawMarker.js"></script>
<p align="center" class="title">Edit Street	Location</p>

<center>This is solely for administrative purposes.</center><br>
<?php
if (empty($submit))
{
	$step1X = 0; $step1Y = 1;
	if($X >= 0 && $X <= 834 && $Y >= 2310 && $Y <= 3465)
	{
		$pic = "manila1.gif";
		$step2X = 0;
		$step2Y = 0;
	}
	if($X >= 835 && $X <= 1669 && $Y >= 2310 && $Y <= 3465)
	{
		$pic = "manila2.gif";
		$step2X = 1;
		$step2Y = 0;
	}
	if($X >= 1670 && $X <= 2504 && $Y >= 2310 && $Y <= 3465)
	{
		$pic = "manila3.gif";
		$step2X = 2;
		$step2Y = 0;
	}
	if($X >= 0 && $X <= 834 && $Y >= 3466 && $Y <= 4621)
	{
		$pic = "manila4.gif";
		$step2X = 0;
		$step2Y = 1;
	}
	if($X >= 835 && $X <= 1669 && $Y >= 3466 && $Y <= 4621)
	{
		$pic = "manila5.gif";
		$step2X = 1;
```

```
                $step2Y = 1;
        }
        if($X >= 1670 && $X <= 2504 && $Y >= 3466 && $Y <= 4621)
        {
                $pic = "manila6.gif";
                $step2X = 2;
                $step2Y = 1;
        }
?>
<div id="theOne" style="position:relative;height:100px;width:300px;">
<?
        echo"<img border=1 src='../images/".$pic."' onClick='hereIam();'>";
?>
</div>
<FORM name = temp>
<input type = hidden name = X1 value = <? echo $X ?>>
<input type = hidden name = Y1 value = <? echo $Y ?>>
</FORM>

<br><br>
<center><b><A href = sys-update-loc.php onClick = 'history.go(-1)'>Back to Update Street Location</A></b></center>
<script language = JavaScript src = ../form.js></script>
<script language = "JavaScript" src = "../showTextBox.js"></script>

                <form name="hidden" method="post" action="sys-add3.php">
                <input type="hidden" name="step1X" value="<?echo $step1X; ?>">
                <input type="hidden" name="step1Y" value="<?echo $step1Y; ?>">
                <input type="hidden" name="step2X" value="<?echo $step2X; ?>">
                <input type="hidden" name="step2Y" value="<?echo $step2Y; ?>">
                </form>
<script language = "JavaScript">

getMapCoords(document.temp.X1.value, document.temp.Y1.value);
function getMapCoords(XCoor, YCoor)
{
        s1X = document.hidden.step1X.value;
        s1Y = document.hidden.step1Y.value;
        s2X = document.hidden.step2X.value;
        s2Y = document.hidden.step2Y.value;

        document.all.X1.value = XCoor - (s1X*stepsize1_X+s2X*stepsize2_X);
        document.all.Y1.value = YCoor - (s1Y*stepsize1_Y+s2Y*stepsize2_Y);
}

var the_x = document.temp.X1.value;
var the_y = document.temp.Y1.value;
var jg_doc = new jsGraphics("theOne");

// draws marker
jg_doc.clear();
jg_doc.setStroke(2);
jg_doc.setColor("#FF0066"); // orange
jg_doc.fillEllipse(parseInt(the_x), parseInt(the_y), 17, 17); // co-ordinates related to the document
jg_doc.paint(); // draws, in this case, directly into the document

</script>
<?
                $query = mysql_query("SELECT * FROM streetlocation WHERE x = $X AND y = $Y");
                $loc = mysql_fetch_array($query);
?>
                <FORM METHOD="post" ACTION="sys-edit-loc.php" NAME="editLoc"";>
                <input type="hidden" name="pic" value="<?echo $pic; ?>">
                <input type="hidden" name="OldSt1" value='<?echo $loc["Street1"]; ?>'>
                <input type="hidden" name="OldSt2" value='<?echo $loc["Street2"]; ?>'>
                <center>
                <table width=80% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2
style="font-family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
                        <tr>
                                <td>* Street 1:  </td>
                                <td><SELECT name = "Street1a">
                                        <? @getStreetList("Street1", $loc["Street1"]); ?>
                                        </SELECT>
                                        </td></tr>
                        <tr>
                                <td>* Street 2:  </td>
                                <td><SELECT name = "Street2a">
```

```
                                        <? @getStreetList("Street2", $loc["Street2"]); ?>
                                        </SELECT>
                                        </td></tr>
                                <tr>
                                        <td>  X-Coordinates:  </td>
                                        <td><INPUT TYPE="text" NAME="X" size="20" value=<?echo $X?>></td></tr>
                                                <INPUT TYPE="hidden" NAME="oldX" value=<?echo $X?>>
                                                <INPUT TYPE="hidden" NAME="oldY" value=<?echo $Y?>>
                                <tr>
                                        <td>  Y-Coordinates:  </td>
                                        <td><INPUT TYPE="text" NAME="Y" size="20" value=<?echo $Y?>></td></tr>
                                <tr>
                                        <td colspan=2 align=center>  <INPUT TYPE="submit"
VALUE="Update Street Location" NAME= "submit" CLASS = "button">   
                                </tr>
                        </table>
                        </FORM>
<?
                }
                else
                {
                        include "../connect.php";
                        // checks if user is existing already
                        //echo $Street1a.",".$Street2a;
                        if(empty($Street1))
                                $Street1 = $Street1a;
                        if(empty($Street2))
                                $Street2 = $Street2a;

                        if(($OldSt1 != $Street1) || ($OldSt2 != $Street2))
                        {
                                // if the streets have been change, check existence of street corner
                                $check_sql1 = mysql_query("SELECT * FROM streetlocation WHERE Street1 = '$Street1' AND
Street2 = '$Street2'");
                                if (@mysql_num_rows($check_sql1) !=  0 )
                                {
                                        echo("<CENTER><br>Street corner already existing.<BR><A href = sys-edit-
loc3.php?pic=$pic onClick = 'history.go(-1)'>Back</A></CENTER>");
                                        displayFooter();
                                        exit;
                                }
                        }
                        $check_sql2 = mysql_query("SELECT * FROM streetlocation WHERE x = $X OR y = $Y AND Street1 !=
$OldSt1 AND Street2 != $OldSt2");
                        if (@mysql_num_rows($check_sql2) !=  0 )
                        {
                                echo("<CENTER><br>Street corner coordinates combination already existing.<BR><A href
= sys-edit-loc3.php?pic=$pic onClick = 'history.go(-1)'>Back</A></CENTER>");
                                displayFooter();
                                exit;
                        }
                        else
                        {
                        // updatea street location info
                        echo "<br>Attempt to add the following street location info: <p>";
                        echo "<b>Street1: ".$Street1."<br>Street2: ".$Street2."<br>City  ".$City."<br>X: ".$X."<br>Y: ".
$Y."</b>";

                        $sql = mysql_query("DELETE FROM streetlocation WHERE x = $oldX AND y = $oldY");
                        $insert_sql = mysql_query("INSERT INTO streetlocation VALUES('$Street1','$Street2', '$City', $X,
$Y)");
                        $insert_sql = mysql_query("INSERT INTO streetlocation VALUES('$Street2','$Street1', '$City', $X,
$Y)");

                        // check if location info was updated
                        if (@mysql_affected_rows($connect) < 1)
                                echo ("<CENTER><BR>Street location not updated.<BR><br><A href = sys-update-
loc.php?pic=$pic onClick = 'history.go(-1)'>Back</A></CENTER>");
                        else
                                echo ("<CENTER><BR>Street location updated.<BR><br><A href = sys-update-loc.php?
pic=$pic onClick = 'history.go(-1)'>Back </A></CENTER>");
                        }
                }
                displayFooter();
?>
```

```
<?
	function getCityList()
	{
		// function for getting available list of cities from the database
		$get_cities = mysql_query("SELECT DISTINCT City FROM streetlocation");
		for($i = 0; $i < mysql_num_rows($get_cities); $i++)
		{
			$data = mysql_fetch_array($get_cities);
			if (!empty($data["City"]))
				echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
		}
	}
	function getStreetList($streetNum, $streetValue)
	{
		// function for getting available list of streets from the database
		$get_streets = mysql_query("SELECT DISTINCT $streetNum FROM streetlocation ORDER BY
$streetNum	");
		for($i = 0; $i < mysql_num_rows($get_streets); $i++)
		{
			$data = mysql_fetch_array($get_streets);
			if($data[$streetNum] == $streetValue)
				echo "<option value = '".$data[$streetNum]."' SELECTED>".
$data[$streetNum]."</option>";
			if (!empty($data[$streetNum]))
				echo "<option value = '".$data[$streetNum]."'>".$data[$streetNum]."</option>";
		}
	}

	function displayFooter()
	{
?>


<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
		<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
		</font><br>
		</td>
		</font>
		</table>
		</center>
		</body>
		</html>
<?
	}

?>

// sys-update1.php
<?
	require "../header/sys_admin.php";
?>
		<p align="center" class="title"><b>Hospital Lists</b></p>
		<center><br><br><br>
		<a href="sys-update1.php?id1=a&amp;id2=b&amp;id3=c" class="alpha">A-C</A> 
		<a href="sys-update1.php?id1=d&amp;id2=e&amp;id3=f" class="alpha">D-F</A> 
		<a href="sys-update1.php?id1=g&amp;id2=h&amp;id3=i" class="alpha">G-I</A> 
		<a href="sys-update1.php?id1=j&amp;id2=k&amp;id3=l" class="alpha">J-L</A> 
		<a href="sys-update1.php?id1=m&amp;id2=n&amp;id3=o" class="alpha">M-O</A> 
		<a href="sys-update1.php?id1=p&amp;id2=q&amp;id3=r" class="alpha">P-R</A> 
		<a href="sys-update1.php?id1=s&amp;id2=t&amp;id3=u" class="alpha">S-U</A> 
		<a href="sys-update1.php?id1=v&amp;id2=w&amp;id3=x" class="alpha">V-X</A> 
		<a href="sys-update1.php?id1=y&amp;id2=z" class="alpha">Y-Z</A> 
		<br><br>
<?
	include "../connect.php";
	if (!empty($id1))
	{
		if(empty($id3))
			$id3 = $id2;
			$query = mysql_query("SELECT * FROM hospital WHERE HName LIKE '$id1%' OR HName
LIKE '$id2%' OR HName LIKE '$id3%' ORDER BY HCode");

		if (@mysql_num_rows($query) < 1)
			echo ("<br><br>0 results.");
		else
```

```
                {
?>
                        <br>
                        <? echo "<H3>[".$id1."-".$id3."]</H3>"; ?>
                        <TABLE border='1' cellspacing='3' cellpadding=4 bordercolor=#FFFFEE width=90%>
                        <TR><TH><font size='2'>HCode</font></TH>
                        <TH><font size='2'>HName</font></TH>
                        <TH><font size='2'>X-Coor</font></TH>
                        <TH><font size='2'>Y-Coor</font></TH>
                        <TH><font size='2'>Edit Hospital</font></TH>
                        <TH><font size='2'>Delete Hospital</font></TH></TR>
<?
                                for ($i = 0;$i < mysql_num_rows($query);$i++)
                        {
                                $data = mysql_fetch_array($query);

                                echo "<TR bgcolor=white>";
                                echo "<TD><center><font size='2'>".$data["HCode"]."</font></center></TD>";
                                echo "<TD width=25%><center><font size='2'>".
$data["HName"]."</font></center></TD>";
                                echo "<TD><center><font size='2'>".$data["X"]."</font></center></TD>";
                                echo "<TD><center><font size='2'>".$data["Y"]."</font></center></TD>";
                                echo "<TD><center><font size='2'><a href='sys-edit.php?HCode=".
$data["HCode"]."'>Edit Hospital</a></font></center></TD>";
                                echo "<TD><center><font size='2'><a href='sys-del1.php?HCode=".
$data["HCode"]."'>Delete Hospital</a></font></center></TD>";
                                echo "</TR>";
                        }
                                echo "</TABLE>";
                }
        }
?>
<br><br> <br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
<center><font face="Verdana" size="1">copyright2004. UPM. <a href="mailto:nhsis.webmaster@yahoo.com"> contact
us</a></font></center>
 </font>
<br>
</td>
  </font>
  </table>
</center>
</body>
</html>

// sys-update-loc.php
<?
        require "check_sysad.php";
        include "../connect.php";
        require "../header/sys_admin.php";
?>
<center>
<script type="text/javascript" src ="../wz_jsgraphics.js"></script>
<script type="text/javascript" src ="../showTextBox.js"></script>
<p align="center" class="title">Update Street Location</p>
<?php
if (empty($submit))
{
?>
        <FORM METHOD="post" ACTION="sys-update-loc.php" NAME="addLoc";>
        <input type="hidden" name="pic" value="<?echo $pic; ?>">
        <center>
        <table width=50% bgcolor=#BBDDFF border=1 bordercolor=#FFFFEE cellspacing=0 cellpadding=2 style="font-
family: Verdana; font-size: 12px; text-indent: 15px" rules=none>
        <tr bgcolor = "white"><td colspan=2><center><b>Choose Street1 - Street2 Combination :
</b></center></td>
        <tr>
                <td>Street 1:&amp;nbsp;&amp;nbsp;</td>
                <td><SELECT name = "Street1">
                        <? @getStreetList("Street1"); ?>
                        </SELECT>
                </td></tr>
        <tr>
                <td>Street 2:&amp;nbsp;&amp;nbsp;</td>
                <td><SELECT name = "Street2">
                        <? @getStreetList("Street2"); ?>
                        </SELECT>
```

```
                </td></tr>
        </tr>
        <td colspan=2 align=center>  <INPUT TYPE="submit" VALUE="Edit Street Location" NAME=
"submit" CLASS = "button">
        </table>
        </FORM>
<?
        }
        else
        {
                echo $Street1."/".$Street2;
                $query = mysql_query("SELECT * FROM streetlocation WHERE Street1 = '$Street1' AND Street2 =
'$Street2'");

                if (@mysql_num_rows($query) ==  0)
                {
                        echo("<CENTER><br>Street corner does not exist.<BR><A href = sys-update-loc.php
onClick = 'history.go(-1)'>Back</A></CENTER>");
                        displayFooter();
                        exit;
                }
                // output street info
?>
                        <br><br>
                        <TABLE border='1' cellspacing='3' cellpadding=4 bordercolor=#FFFFEE width=90%>
                        <TR><TH><font size='2'>Street1</font></TH>
                        <TH><font size='2'>Street2</font></TH>
                        <TH><font size='2'>X-Coor</font></TH>
                        <TH><font size='2'>Y-Coor</font></TH>
                        <TH><font size='2'>City</font></TH>
                        <TH><font size='2'>Edit Location</font></TH>
                        <TH><font size='2'>Delete Location</font></TH></TR>
<?
                        for ($i = 0;$i < mysql_num_rows($query);$i++)
                        {
                                $data = mysql_fetch_array($query);

                                echo "<TR bgcolor=white>";
                                echo "<TD><center>".$data["Street1"]."</font></center></TD>";
                                echo "<TD>".$data["Street2"]."</font></center></TD>";
                                echo "<TD><center>".$data["x"]."</font></center></TD>";
                                echo "<TD><center>".$data["y"]."</font></center></TD>";
                                echo "<TD><center>".$data["City"]."</font></center></TD>";
                                echo "<TD><center><a href='sys-edit-loc.php?X=".$data["x"]."&amp;Y=".
$data["y"]."'>Edit Location</a></font></center></TD>";
                                echo "<TD><center><font size='2'><a href='sys-del-loc.php?X=".
$data["x"]."&amp;Y=".$data["y"]."'>Delete Location</a></font></center></TD>";
                                echo "</TR>";
                        }
                                echo "</TABLE>";
        }
        displayFooter();
?>
<?
        function getCityList()
        {       // function for getting available list of cities from the database
                $get_cities = mysql_query("SELECT DISTINCT City FROM streetlocation");
                for($i = 0; $i < mysql_num_rows($get_cities); $i++)
                {
                        $data = mysql_fetch_array($get_cities);
                        if (!empty($data["City"]))
                                echo "<option value = '".$data["City"]."'>".$data["City"]."</option>";
                }
        }
        function getStreetList($streetNum)
        {  // function for getting available list of streets from the database
                $get_streets = mysql_query("SELECT DISTINCT $streetNum FROM streetlocation ORDER BY
$streetNum");
                for($i = 0; $i < mysql_num_rows($get_streets); $i++)
                {
                        $data = mysql_fetch_array($get_streets);
                        if (!empty($data[$streetNum]))
                                echo "<option value = '".$data[$streetNum]."'>".$data[$streetNum]."</option>";
                }
                if($streetNum == "Street1")
                        echo "<option value = 'Others1'>Others</option>";
```

```
			else
				echo "<option value = 'Others2'>Others</option>";
		}
		function displayFooter()
		{
?>		<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>
			<center><font face="Verdana" size="1">copyright2004. UPM.<a
href="mailto:nhsis.webmaster@yahoo.com">contact us.</a></font></center>
			</font><br>
			</td>
			</font>
			</table>
			</center>
			</body>
			</html><?		}?>
```


ACKNOWLEDGMENT

Four long years of struggle in college life, had never been too easy for me. Indeed, i have had personally discovered that college is far different from high school. I had experienced myself the long term pain and sacrifices you'll get entering a course you aren't much interested about; much more if its been forced for you take up. I have had cried a number of times – be it emotional grief, major school stress and toxicity, hopeless struggles and a lot more. I may have been weak and overly pressured by the past circumstances. But in spite of it all, I would never trade those challenges I've had, because no matter how closely horrendous college life has been for me with regards to all the tussles for my acads, I know I have definitely enjoyed those great years! All the fun, joys, laughter, sharings, boding sessions.. my learning experiences will surely linger in me.

My SP for one is such an accomplishment for me. And my warmest thanks for this chance to extend my gratitude and appreciation all those people who in one way or another have had been part of my being, especially those who contributed a lot in making this SP possible…

Firstly, I'd like to offer this SP to my ultimate strength and Savior, my dear God. Lord God, thanks so much for sharing up your strength in me, for giving me all the hope behind those helpless moments, for enlightening my heart and my mind and for never letting me down. Thank you Lord for allowing me to lift up all my struggles and everything that happened to be. Without you My God, I'm sure I wouldn't get this far. ☺

I acknowledge the moral, emotional and financial supports from my family. Thank you Paps, Kuya M, Randy and Ring-ring for all the guidance and understanding. I'm sorry for all my hassles and for my unpredictable mood at times. I promise po babawi ako sa lahat ng pgkukulang ko. Thanks mom for all the encouragement and for always consoling me even if you're miles away from us. I miss you a lot. Luv you all so much. ☺

To my dearest lolo and lola in Tabaco, thank you so much for caring and nurturing me from start. I'll always have the guiding adages you've always thought me. You're part of all my success. I'll never forget you both. Thanks for everything.

Thanks to my dearest barkada – my best friends Cha, Amy, Biggs and Mon for this wonderful girt of friendship. We've been tried and tested, guys! I wouldn't trade Meya for anything. (Ayan, kahit di nyo pa binibigay sakin 11 thou na award ko!! Hmmp! Hehehe.)

My guy friends Ge, Lhanz, Ike, Lionel especially Mer. Thanks for keeping in touch, for all the boost and prayers. ☺

I am thankful to my collegues in Comsci Blk 14, my classmates and friends this college who have shared great years of fun moments and experiences with me. Grabe ah, parang kailan lang talaga! I can't believe we've surpassed all these!! Kudos!

Aliza, - my ultimate consoler, adviser, companion and listener all these years. Thanks so much Liz for helping me out with my SP, not only that but also with my personal problems and all. You've been there for me from start and you never failed to encourage me more. Salamat sa mga seryoso at kabaliwan moments natin together. Hehe. Thanks for being overly sensitive like me. Your friendship means so much to me. I'm just here for anything, u know that. ☺

Camillle – Thanks for the gift of friendship. I'll surely miss our overnyt moments, be it functional with school works or not. Thanks for bearing with my kabaliwan as well. Hehehe. Salamt din sa pang-asar and pagpupuwersa ah! (hehehe.. see.. la ka nmn tlga mapipiga diba?) Ui, cam, ang HEART ah!

Pauline – hay, I miss this girl, sobrang toxic kasi these past sems kaya mjo less ung bonding sessions natin. Thanks Pol for the friendship, for never getting tired of explaining sum scul terms. Hehehe.

Fumi, thanks for your enjoyable company. I'll surely miss our never ending chikkahan.☺

Apple – applet! my OFD partner! I really enjoyed and learned a lot form our OFD times.

Pamela and Jenny – Thanks for the advices, kakikayan, kabaliwan and for sharing matters of the heart with you.

Eds, Mel, Junn, Areej, Mike, Sherwin – thanks of the smiles, the pang-aasar and the fun moments with you. Our plays, skits and dance practices will forever be treasured. Thanks Sher for lending me prepaids and internet cards whenever I needed them.

Rommel – thanks for making us laugh even without any effort. Hehehe! Tnnx for the friendship.

Comsci guys namely Bo, Oscean, Emong, Jorrel, Rodwin, Miguel, Jorrel, salamt sa apat na taong pagsasamahan sa classrooms. ☺

To Ate Eden and Ate Shula, thanks for all the consideration and sharings for four long years.

Rai, thanks for all the support, care, help, and concern all throughout. I really am grateful for having you around. I'm just here for you anytime.

My thanks also to Kenneth for providing me the maps I've used in my SP. Thanks for all the support and helping out in the computation and scanning of the maps.

Mr. Allan (Kenneth's cousin) – thanks for the insights you've given me during the earlier stage of my proposal.

I'd like to say thanks to Don-don and Dexter for helping me out anytime there's a problem with my PC. Grabe na utang ko sainyo. Jomai and Alas, thanks for the friendship and gimiks with u guys.

To all my professors, thanks you so much for all the learnings, considerations, challenges we got from you. We may have had a lot of struggles, nahirapan man kami ng husto, but in the end, it was all worth it. Thanks you po.

My thesis adviser Prof Baes, thanks you po for all the insights and for patiently guiding me within the making of my SP. Kahit nahirapan talaga ako Sir, I did learn a lot from the challenges and the boost.
.
I am so grateful for my YFC family. My dear bros and sis, thanks for simply touching my life. More than the prayer meetings, household, "Kasangga", YFC seminars and camps, I'll forever cherish our times and sharings together. Mamimiss ko kayong lahat. Thanks Sir Jay for the magical term "endurance". It will always be an enlightenment to me. I'll surely miss the tambayan and log book! ☺

My warmest thanks to James Boswell for providing me this meaty passage I would want to share to all of you guys especially to my friends."

> "We cannot tell the precise moment when friendship is formed. As in filling a vessel
>
> drop by drop, there's at last a drop which makes it run over; so in a series of kindnesses there's at
>
> last one which makes the heart run over"

Lastly, thanks to this prestige institution. Indeed, being an "Iska" is really something to be proud of.

It really feels great whenever you got to accomplish something. My stay in UP is really worth treasuring. I know I may not have succeeded academically, I may have failed a number of times but I really am grateful for going this far. With all my thanks to HIm, I am successful in my own little way ..for "success

in not totally measured by what the eyes see, for it is by the heart that one can see rightly, for what is essential is invisible to the eyes.

I wish everybody the best of luck and more blessing from Him. ☺

Meybs
(saying “People don’t care how much you know, until they know how much you care”)