

**UNIVERSITY OF THE PHILIPPINES MANILA
COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICAL SCIENCES AND MATHEMATICS**

**ASTHMATIC CHILDREN HOME MONITORING SYSTEM
(ASCHOMS)**

A Special Problem in partial fulfillment
Of the requirements for the degree of
Bachelor of Science in Computer Science

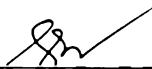
Submitted by:

Cheza Marie R. Vianzon

April 6, 2005

ACCEPTANCE SHEET

The Special Problem entitled "Asthmatic Children Home Monitoring System (ASCHOMS)" prepared and submitted by Cheza Marie R. Vianzon in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science has been examined and is recommended for acceptance.



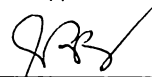
Vincent Peter C. Magboo, MD, MS
Adviser

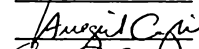
EXAMINERS

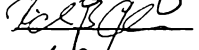
1. Gregorio B Baes, Ph. D (Candidate)
2. Avegail D. Carpio, MS (Candidate)
3. Richard Bryann L. Chua, MS (Candidate)
4. Ma. Sheila A. Magboo, MS
5. Philip D. Zamora, MS (Candidate)

Approved

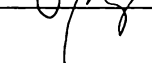
Disapproved











Date

Accepted and approves as partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science.


Roderico A. De Armas, MS
Unit Head
Mathematical and Computing Sciences Unit
Department of Physical Sciences and Mathematics


Harry L. Engle, MS
Chair
Department of
Physical Sciences and Mathematics


Marilou G. Nicolas, Ph. D
Dean
College of Arts and Sciences

ABSTRACT

The Asthmatic Children Home Monitoring System (ASCHOMS) is a web-based application that allows parent or guardian to manage his or her child's asthma in the premises of their home. The pulmonary doctors maintain the medical records of the asthma patients and create an action or treatment plan for the asthma self-management of every patient. The patients need to monitor their symptoms and vital measurements to be aware of their current health status and to inform their respective doctors about their condition. In return, the doctor can assess the condition of the patient and create an appropriate self-treatment for the patient. If the pulmonary doctor is unavailable, a reliever doctor will temporarily handle the patients. Interaction among active valid users of the system can be done through online messaging and/or short messaging service (SMS). Different asthma related information, activities, services, and organizations are also maintained in the system to disseminate knowledge about asthma. There is also report generation on asthma prevalence according to asthma type, age group, gender, and location within Metro Manila.

KEYWORDS: Asthma, Home Monitoring, Information System

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I. INTRODCUTION

A. Background of the Study

Asthma is one of the most chronic diseases in the world. It is now estimated that as many as 300 million people of all ages around the world suffer from asthma [1]. Public attention has recently focused on asthma because its prevalence, morbidity, and mortality have increased greatly since 1980, with children under five years old experiencing the highest rate of increase [2]. These increases have been especially marked in low-income urban areas. It is estimated that by 2025, there will be an additional 100 million asthmatics [1].

In the Philippines, asthma affects over six million children. The country is ranked 32nd in "self-reported asthma" in the world with a prevalence rate of about 12 percent [3]. According to the survey conducted by Rabe et al, out of 400 asthmatics 196 are children under-16 years of age and 48 percent of those asthmatic children are female [4]. In Metro Manila, allergy specialists noted a significant increase in cases of asthma among children under-13 years of age [5]. The result of the 2000 Census of Population and Housing placed the urban population of the country at 48.05 percent [6]. This statistic is alarming since one of the causes of prevalence of asthma is urbanization.

The country's current wealth is no longer enough to support a population of 84 million with a growth rate of 2.36 percent, one of the highest in Asia [7]. It is expected that the population will reach 100 million in 14 years [8]. The unstoppable increase in population will result to a more government's budget deficit that deprives the people of the services they are entitled to have. In the United States, development and implementation of home monitoring system in facilitation of self-care allowed early recognition of potentially dangerous health

situations and timely intervention [9]. This system was evaluated and has been found to be successful and has a higher patient compliance compared to standard care.

B. Statement of the Problem

One of the basic needs of the people is health care. It seems that the Philippine government is not able to provide the quality medical services today and even more in the near future. A rapid increase in population means an increase number of younger people, increase in pollution, and increase in demands, especially in health. With the current 12 percent prevalence rate of asthma (around six million children in the country), constant monitoring of present and probable asthmatic children is needed to reduce complications and mortality. Recent studies have shown that monitoring of asthma severity in the patient home especially combined with patient education can reduce incidence of asthma exacerbation and subsequent hospitalization [10]. Moreover, subtle asthma episodes can be managed at home by the parents and/or guardians with proper coordination of the pulmonary doctor. At present, no such monitoring system exists in the Philippines.

A pulmonary physician must keep the asthmatic patient's personal information and medical history record to determine other possible factors that may cause abnormalities. It must include records of current diagnosis, treatment plan and medications for the continuous monitoring of the asthma patient's health status. All of these records are needed for the pulmonary physicians in his review and assessment of the patient. In asthma home monitoring system, daily sequential observing of asthma symptoms and vital measurements (spirometry and/or peak flow measurements) are needed with the results made accessible to the pulmonary physicians. The results are then incorporated to the patient's medical record in the clinic. The pulmonary physician can give immediate instructions and notes to the patient upon receiving the results. Aside from the pre-scheduled visits to the pulmonary physician, the doctor can also

require the patient, through the system, to be brought to the nearest emergency room or his clinic based on the transmitted results. The interaction between the patient and the pulmonary physician can be made possible through the Internet and mobile telephones.

Additionally, there should be a reliable source of asthma information to educate the public about asthma and its management. Reports related to asthma prevalence must be published to help the government and other research institutions to formulate asthma programs, activities, and studies.

C. Objectives of the Study

This system aims to create Asthmatic Children Home Monitoring System (ASCHOMS) with the following functionalities:

1. Allows the patient or the patient's parent/guardian to:
 - a. Edit personal information record online [general information, password]
 - b. View own action plan and filtered clinical follow-up record online
 - c. View online own graphical trend of the following: spirometer and/or peak flow meter measurements
 - d. Send symptoms and results of spirometry or peak flow measurements via online private message and SMS
 - e. Receives auto-generated messages as to
 - i. The billings [monthly membership fee, consultation fee]
 - ii. Non-availability of pulmonary doctor and his temporary reliever
 - iii. Health assessment
 - iv. Next scheduled clinical follow-up
 - f. Views the current billings [monthly membership fee, consultation fee]
 - g. Post and view messages on the message board

2. Allows the pulmonary physician to:
 - a. Edit personal profile information [general information, clinic schedule, password]
 - b. Update patients record
 - i. Personal information (Add)
 - ii. Medical history (Add/Edit)
 - iii. Treatment or action plan (Add/Edit)
 - iv. Clinical follow-up (Add/Edit)
 - c. View own patient's graphical trend of the following: spirometer and/or peak flow meter measurements
 - d. Receive symptoms list and measurements from a patient via online private message and SMS
 - e. Send health assessment as well as the schedule of the next appointment in his clinic to the patient via online private message and SMS
 - f. Send messages to the respective patients of his non-availability and his temporary reliver as well as his consultation fees to individual patients
 - g. Post and view messages on the message board
3. Allows the system administrator to:
 - a. Update user accounts (Add/Edit)
 - b. Update asthma information and related activities, services, and organizations
 - c. Change own password
 - d. Post, view, and moderate messages on the message board
4. Allows the general users to:
 - a. View asthma general information in the Philippines
 - b. View asthma information and related activities, services, and organizations
 - c. View generated reports and graphs on asthma prevalence on children grouped by

- i. type of asthma and gender
- ii. type of asthma and age
- iii. type of asthma within Metro Manila

D. Significance of the Study

The system helps in the monitoring of asthmatic children without the need to go personally to the health care provider's clinic; particularly on instances where home medication is preferred and appropriate. At the same time, the results can be incorporated in the medical record. Through this, the patients are not dependent on the limited medical services offered by the government and medical institutions. They find it comforting to be treated at home and feel secure about their health status. The awareness on coping with own chronic disease such as asthma lead to high personal productivity. Patients and guardians can interact with each other by posting personal experiences and questions on the message board. Possible early prediction of asthma attacks and warning on asthma severity may lessen the mortality caused by asthma.

Additionally, wide dissemination of asthma information and related activities, services, and organizations makes the public knowledgeable about asthma. They know how to take proper cautions and self-care, as well as, what activities and organizations can help them with their disease.

E. Scope and Limitations

1. The system handles the monitoring and information system of the registered asthmatic children.
2. Patient's and pulmonary physician's location may be anywhere in Metro Manila, Philippines.

3. This does not handle the other diseases of the patient. All information related to asthma is the one that is being kept in the database.
4. Information as to proper use of peak flow meter and spirometer is outside the system as it is done through physician's guidance in the clinic.
5. The system administrator updates the activities, services, and organizations submitted by any reliable and legal institution, person, and organization. The process of submission is not handled by the system.
6. Only the activated pulmonary physicians may be consulted by the registered patients.
7. Only the outpatient records are handled by the system and the inpatient records is not incorporated.

F. Assumptions

1. The patients have the following equipment at home: spirometer and/or peak flow meter, computer with internet connection and/or mobile phone. The pulmonary physicians have computer with internet connection in the clinic and mobile phone.
2. The patients or patient's parent/guardian and pulmonary physicians are computer literate. If not, instruction on how to use the system is provided in the website.
3. The System Administrator is responsible for the creation and activation of user accounts. The pulmonary physicians should contact the system administrator for validation before they can be activated. The pulmonary doctors are given a pre-generated password through SMS, which they may change once they have logged in the system.
4. The activated pulmonary physician is the one who enrolls their patients in the system with the patient's parent/guardians consent. The patient or patient's parent/guardian is the one who personally input the password since the enrolment takes place in the physician's clinic.
5. The activities and services information are coming from the heads of the following organizations: Philippine Pediatrics Society, Philippine Academy of Pediatric Pulmonologists,

and Philippine Society of Allergy, Asthma and Immunology. The information to be uploaded by the system administrator needs concurrence of only one pulmonary doctor for approval.

6. There is an infrastructure that accommodates all the telecommunications companies (e.g. Globe, Smart)
7. The payment for the monthly membership fee and the consultation fee is outside the system. Though existing practice in related services is through credit card payment in the central office or auto-debit in the accredited banks.
8. In case of non-availability of the doctor, the reliever must be an activated doctor accredited in the system.
9. System time of the computer must be accurate.

II. REVIEW OF RELATED LITERATURE

The Asthma Foundation of Victoria, Australia has developed a new tool, Asthma Improvement Monitoring System (AIMS), to help the patients monitor their asthma over time [11]. It aids in identifying any pattern of deterioration of patient's asthma symptoms and if there is an urgency for doctor's consultation. The system is based on the Global Initiative for Asthma (GINA) Guidelines for Asthma Management. For a user needs to be registered and be an official member, an amount of AU\$40 per year is to be paid. A registered member is allowed to enter peak flow measurements, as well as answer six questions about asthma symptoms. The results will be automatically packaged and sent to the member on a monthly basis. The system also sends a text message to the member's mobile phone on high and extreme pollen days that serves as a reminder. The registered member can also access to discussion boards to share experiences with other members.

Another system, the Asthma Register System (ARS), developed by the Indian Health Service (IHS) as part of their Resource and Patient Management System, to provide the health professionals with another tool for improving the direct care and management of patients with asthma [12]. The ARS can be used as a register of patients who can be actively managed for sites with one or more Asthma Case Managers. It can also be used to capture asthma-related patient data and provide appropriate health care reminders to the healthcare professionals.

In 1997 in Orlando, Florida, QualityMetric Incorporated and the Joint Council of Allergy, Asthma & Immunology (JCAAI) developed the Asthma Outcomes Monitoring System (AOMS), a system for monitoring health outcomes. The AOMS™ provides tools for measuring adult and pediatric asthma patients in terms of functional health and well being, disease severity, health care satisfaction and utilization [13]. Data collected from the AOMS will be the core of the National Asthma Outcomes Registry, a 1999 joint project of the same institutions, providing information about asthma patients to pulmonary physicians.

The Asthma Disease Management Program in Colorado Region is a new model of care that addresses the needs of asthma patients at a population level [14]. The registry and report processing of the program is handled by the Asthma Disease Identification, Registry, and Reporting. This system extracts and compiles data from clinical and administrative sources to produce a continuously updated registry of patients with asthma. This system also generates monthly and quarterly reports of patient levels in electronic and printed formats. These reports contain clinically relevant data of interest to pulmonary physicians and care managers.

The first widely available Internet based service enabling asthma patients to monitor their asthma and share data with their doctor or nurse via the Internet is LinkMedica [15]. It was first launched in Denmark in May 2000. In late spring 2001 linkmedica.com and linkmedica.co.uk was launched. As of February 2003 the Danish site has nearly 8000 registered users and 1200 users have granted their doctor access to their asthma diary. In LinkMedica asthma diary the patient enters peak flow and record symptoms daily. LinkMedica stores the data, calculates the level of asthma control and gives immediate feedback telling the patient what to do if his or her asthma is not well-controlled. When the patient and the doctor meet they can review changes in the patient's asthma over time on the computer. LinkMedica can send reminders as e-mails or SMS messages if the patient forgets to fill in the diary before a specified time of the day.

The Commonwealth Government has provided funding to the Australian Institute of Health and Welfare, in consultation with the National Asthma Council Australia, to establish and manage an Australian Monitoring System for Asthma [16]. The system monitors and reports on trends in disease burden associated with asthma. It oversees systematic development of national asthma datasets. The system also manages special projects and collaborations in relation to asthma data development.

Another system available through the Internet is the Childhood Asthma Registry that yields careful and detailed health histories to help physicians monitor an individual patient's progress. The registry contains a complete asthma history of participating children, including a record of asthmatic episodes, medication treatments, and other information that is available, with permission from the parents, to anyone with a vested interest in the child's health [17]. Local public schools are tied into the registry to monitor every student's health.

Finkelstein, Hripcsak, and Cabrera developed and evaluated telematic system for monitoring of asthma severity in patients' homes. The system minimizes patients' efforts in performing self-testing at their homes and allows prompt reciprocal exchange of all relevant information between patients and health care providers. The patients use Forced Vital Capacity test and symptom diary and the results are then transmitted to the medical records database via landline or wireless networks [10].

Another study of Finkelstein, this time in coordination with O'Connor and Friedmann, resulted in the development of Home Asthma Telemonitoring (HAT) which provided patients with continuous individualized help in the daily routine of asthma self-care and notified health care providers if certain clinical interventions. The study showed that the system provided reliable reciprocal exchange of all relevant information between a physician and asthma patient in home settings. Through the evaluation of HAT, it was demonstrated that the lung function test results supervised by health care professional are comparable to the test results gathered from the patient's home [9].

Lastly, Gibson concluded in his study that monitoring asthma outcomes is the key in a successful implementation of national guidelines for the management of asthma. It was shown that patients who practice self-monitoring in concurrence with use of a written action plan and regular medical review have significantly fewer hospitalizations, emergency department visits, and lost time from work [18].

III. THEORETICAL FRAMEWORK

A. Asthma

Asthma is a chronic lung disease characterized by inflamed, swollen, and narrowed airways, making breathing difficult [19]. When the patient develops bronchial spasm, the breathing pipe narrows down and the breathing passage becomes so constricted, severely reducing the amount of oxygen that could get into the lungs of the patient. In some very severe cases, it could totally deprive the individual of oxygen and death could follow from the suffocation. During the asthmatic attacks, some persons may not be able to speak complete sentences and need to pause after each word or two to breathe. The wheezing is due to tightly constricted bronchial tubes [20].

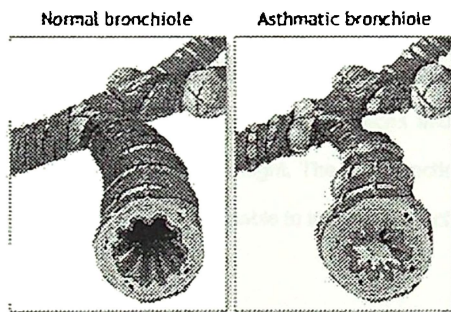


Figure 1. Normal vs. Asthmatic Bronchiole

There are numerous causes that trigger an asthmatic attack. One is the allergens, which includes pollen, molds, mildew, dust mites, and feathers. Another cause is the irritants that are commonly found in household like aerosol spray and perfume. Air pollution and tobacco smoke are also considered as irritants. Lastly, asthmatic attacks may be caused by physical conditions, which include exercise, weather changes and emotional stress [19].

There are four classifications of asthma based on severity.

1. Mild Intermittent

These children have infrequent symptoms like cough and wheeze – less than twice in one week. Lung function is close to normal, and the child sleeps well, with night time symptoms not occurring more than twice in a month.

2. Mild Persistent

These children have symptoms of asthma - cough, wheeze, and breathlessness – more than twice a week, but not daily. They also have night time problems more than twice in one month.

3. Moderate Persistent

These children have symptoms requiring reliever medication daily, and have night time symptoms at least once a week. Their activity is restricted, they have frequent school absences, and lung function tests are significantly abnormal.

4. Severe Persistent

Symptoms of asthma are almost continuous, and these children have severely restricted activity, frequent school absences and hospital admissions, and find it difficult to sleep through the night. The lung function test reports are grossly abnormal, and these children are unable to indulge in much physical activity [21].

Spirometry is recommended in the initial assessment of patients suspected to have asthma. With spirometry, after a forced expiratory maneuver the forced vital capacity (FVC), forced expiratory volume in one second (FEV1), the maximal mid-expiratory flow (MMEF or FEF 25-75%) and peak expiratory flow rate (PEFR) are measured.

FEV1 is the single best measure for assessing severity of airflow obstruction. FEV1 measurements <80% of presided value is evidence of airway obstruction and reversibility with the use of Inhaled B2-agonist demonstrated as an increase in FEV1 by 15% or greater makes a

definitive diagnosis of asthma. The FEV₁/FVC ratio corrects for individual subjects and should also be calculated. A ratio < 80% is considered below normal.



Figure 2. A sample of Spirometer

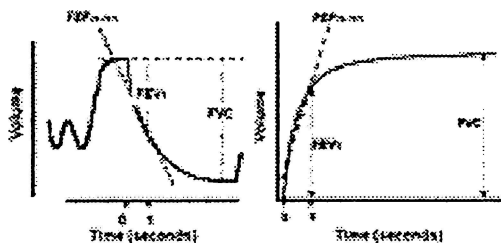


Figure 3. A sample of true real-time graphic display of a spirometer showing the normal measurements of forced vital capacity (FVC), forced expired volume in one second (FEV₁)

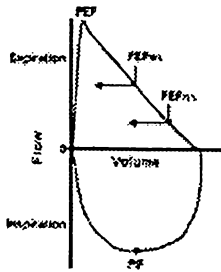


Figure 4. A sample of true real-time graphic display of a spirometer normal maximal expiratory and inspiratory flow-volume curve

The airway is maximally dilated in the afternoon and least in the early morning. This diurnal variation is exaggerated in asthmatics and may be demonstrated by morning and evening measurements of peak expiratory flow rate. A 2-3 week period of twice-daily monitoring of peak expiratory flow will demonstrate the presence of peak flow variability as defined below:

$$\text{Peak Flow Variability} = \frac{\text{Highest reading} - \text{Lowest reading}}{\text{Highest reading}} \times 100$$

PEFR variability correlates well with airway hyper-responsiveness and variability greater than or equal to 20% supports a diagnosis of asthma.

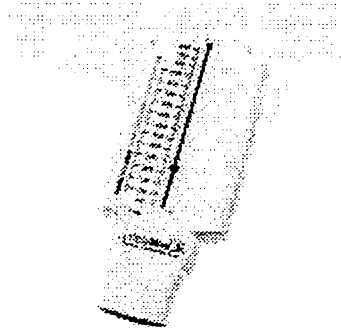


Figure 5. A sample of Peak Flow Meter

In situations where spirometry is not available, PEFR may be measured with a portable peak flow meter. While less sensitive, the PEFR correlates well with FEV1 and offers an acceptable alternative to assess response to exercise challenge and peak flow variability. The predicted normal PEFR for Filipino children between 6 and 17 years of age with height of at least 100 cm can be calculated using the following formulae [20]:

$$\text{Males: } 5 (\text{Height in cm} - 100 \text{ cm}) + 175$$

$$\text{Females: } 5 (\text{Height in cm} - 100 \text{ cm}) + 170$$

B. Information System

An Information System is a system consisting of the network of all communication channels used within an organization. It is a discrete set of information resources organized for the collection, processing, maintenance, transmission, and dissemination of information, in accordance with defined procedures, whether automated (electronic component) or manual (human component) [22].

There are four basic parts or subsystems in an information system:

- Input – process of receiving information
- Processor – processes or changes the information received prior to transmission
- Storage – at least a semi-permanent holding of information
- Output – process of transmitting information [23].

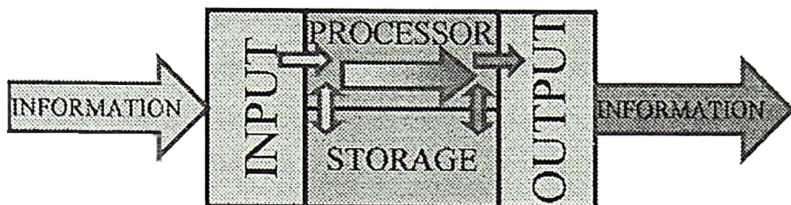


Figure 6. Basic Parts of an Information System.

C. Clinical Patient Record System

The computer-based patient record is to improve the uniformity, accuracy, and retrievability of data about patient care in the community and to promote its use for improved clinical decisions [24]. It requires the development of clinical data standards and the integration of information systems in diverse locations within institutions and across institutions and health care providers.

Clinical Patient Record System is designed to review clinical information that has been gathered through a variety of mechanisms, and the capture new information [25]. It can show data on a single patient (specified through a patient ID) or it can be used to identify a set of patients who happen to match particular demographic, diagnostic, or clinical parameters. The retrieval can either be *patient-centric* or *parameter-centric*. Patient-centric retrieval is important

for real time clinical decision support while parameter-centric retrieval involves processing large volumes of data and results are used for purposes like long-term planning or for research.

D. Home Care Monitoring System

Monitoring System is an on-going system to collect data on a program's activities and outputs. It is designed to provide feedback on whether the program is fulfilling its functions, addressing the targeted population, and/or producing those services intended [26].

People who suffer from chronic diseases, including high blood pressure, diabetes, asthma, and heart problems should benefit from a remote, home care monitoring system that could also bring an end to overcrowded waiting rooms. It is a low cost and easy to use, which gives the patient a sense of control over their condition and allows their medical providers to stay ahead of the disease. It also provides education about the disease and its risk factors, and supports lifestyle modification strategies that need to be introduced to help manage the condition [27].

E. Database System

A collection of an organized body of related information arranged for ease and speed of search and retrieval is called a database. It is a component of a Database Management System (DBMS). A DBMS is a computer program designed to manage a database, a large set of structured data, and run operations on the data requested by numerous users [28]. It also controls the security and integrity of the database. When a DBMS is used, information systems can be changed easily as the organization's information requirements change. New categories of data can be added to the database without disruption to the existing system.

A web-enabled database system is composed of database, users, database management system, web servers, application software, and other software to deliver persistent data via World Wide Web [29].

F. Short Messaging Service

Short Messaging Service, otherwise known as text messaging, mobile messaging, or alphanumeric paging is a digital cellular network feature. The Short Message Service (SMS), as defined within the Global System for Mobile Communication (GSM) digital mobile phone standard has several unique features:

- A single short message can be up to 160 characters of text in length. Those 160 characters can comprise of words or numbers or an alphanumeric combination.
- The Short Message Service is a store and forward service, in other words, short messages are not sent directly from sender to recipient, but always via an SMS Center instead.
- The Short Message Service features confirmation of message delivery. This means that unlike paging, users do not simply send a short message and trust and hope that it gets delivered [30].

IV. DESIGN AND IMPLEMENTATION

A. Entity Relationship Diagram

The entity relationship diagram In Figure 7 illustrates the logical structure of database of the Asthmatic Children Home Monitoring System (ASCHOMS). The system is composed of entities with their corresponding association with each other. The attributes of the entities are shown in Figure 8 to 16.

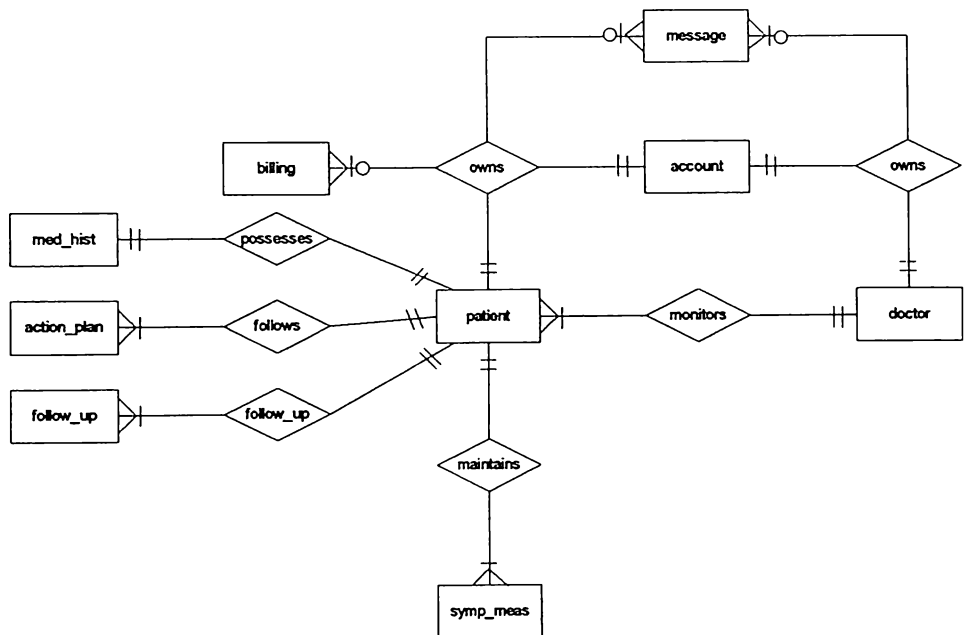


Figure 7. Entity Relationship Diagram, ASCHOMS

The following are the entities of ASCHOMS:

- patient – stores the general information of an asthmatic child
- doctor – stores the general information and clinic schedule of a doctor
- account – stores the accounts of the users
- med_hist – stores the medical history of the patient
- action_plan – stores the treatment or asthma action plan for the patient
- follow_up – stores the clinical follow-up results of a patient
- symp_meas – stores the daily symptoms and spirometer and/or peak flow meter measurements
- message – stores the messages posted by the users in the message board and the private messages
- billing – stores the monthly membership and consultation fees of every patient
- inactservorg – stores the information, activities, services, and organizations related to asthma

The following are the relationships of the entities of ASCHOMS:

- A doctor owns one account.
- A doctor monitors many patients.
- A patient can be monitored by one doctor.
- A patient maintains many symp_meas.
- A patient keeps many follow_up.
- A patient follows many action_plan.
- A patient possesses one med_hist.
- A patient owns one account.
- A patient may own many billing.
- A doctor and a patient may own many message.

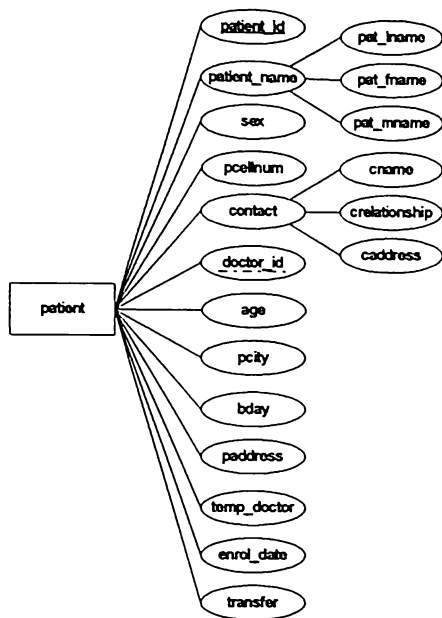


Figure 8. Attributes of *patient* entity, ASCHOMS

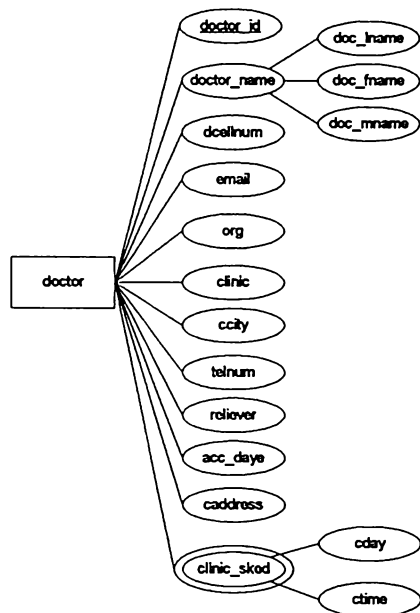


Figure 9. Attributes of *doctor* entity, ASCHOMS

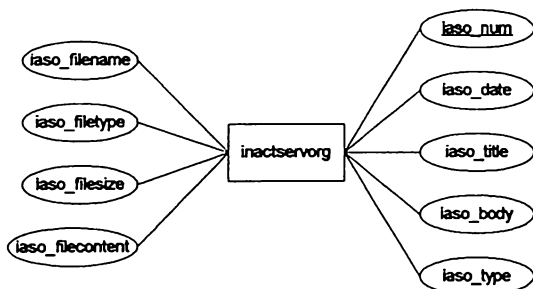


Figure 10. Attribute of *inactservorg* entity, ASCHOMS

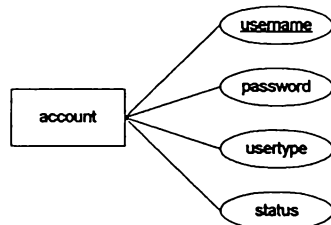


Figure 11. Attributes of *account* entity, ASCHOMS

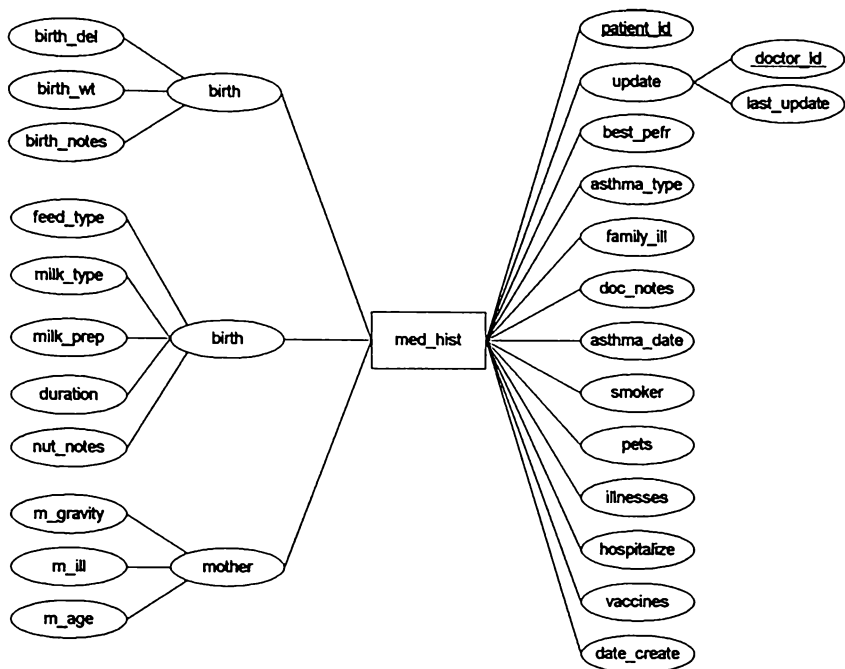


Figure 12. Attributes of *med_hist* entity, ASCHOMS

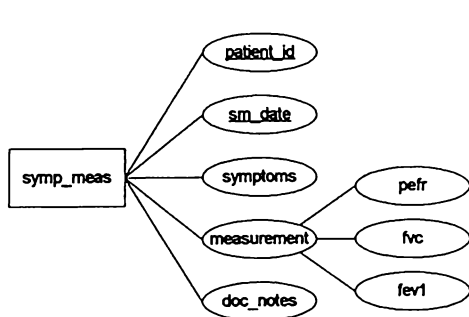


Figure 13. Attributes of *symp_meas* entity, ASCHOMS

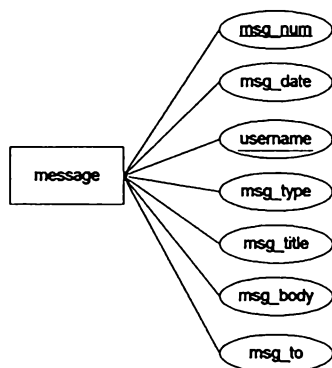


Figure 14. Attributes of *message* entity, ASCHOMS

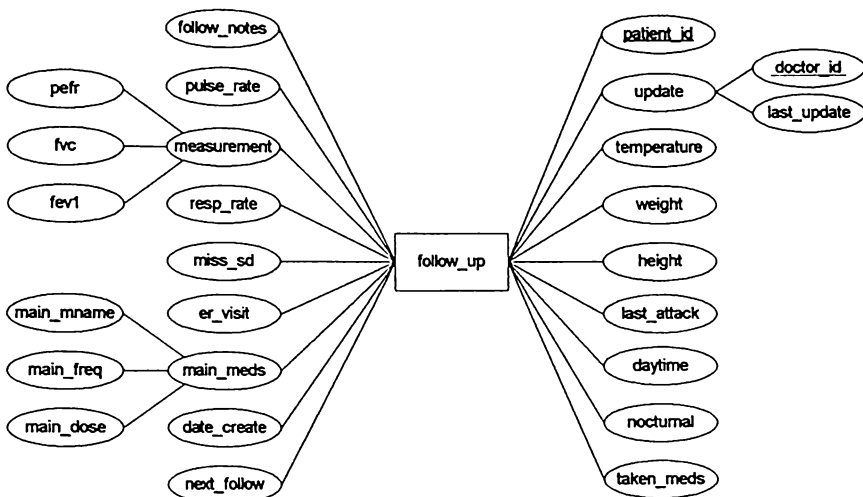


Figure 15. Attributes of *follow_up* entity, ASCHOMS

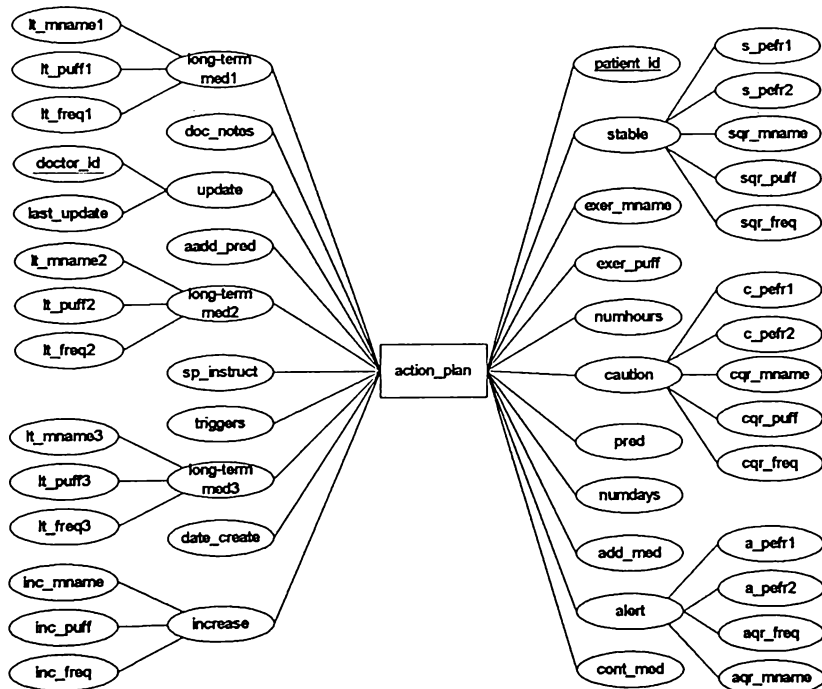


Figure 16. Attributes of *action_plan* entity, ASCHOMS

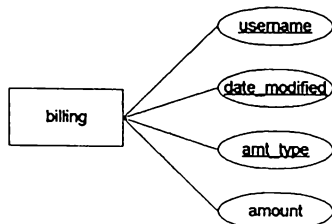


Figure 17. Attributes of *billing* entity, ASCHOMS

B. Data Dictionary

1. patient – table of the general information of a patient

Data field	Data type	Description
patient id	varchar(10)	Uniquely identifies a patient
pat_lname	varchar(50)	Patient's last name
pat_fname	varchar(50)	Patient's first name
pat_mname	varchar(50)	Patient's middle name
sex	char(1)	Patient's sex [M F]
cname	varchar(100)	Contact person's name
relationship	varchar(50)	Patient's relationship with the contact person [Mother Father Guardian Others]
caddress	varchar(100)	Contact person's address
doctor_id (fk)	varchar(10)	Patient's pulmonary doctor
bday	date	Patient's date of birth
paddress	varchar(200)	Patient's address
temp_doctor	varchar(10)	Patient's temporary doctor
pcity	varchar(20)	Patient's city address
age	tinyint(2)	Patient's age
enrol_date	date	Date when the patient was enrolled in the system
pcellnum	varchar(10)	Patient's mobile phone number
transfer	char(1)	Patient's doctor transfer status [Y – if temporarily transferred N – otherwise]

2. doctor – table of the general information and clinic schedule of a doctor

Data field	Data type	Description
doctor id	varchar(10)	Uniquely identifies a pulmonary physician
doc_lname	varchar(50)	Doctor's last name
doc_fname	varchar(50)	Doctor's first name
doc_mname	varchar(50)	Doctor's middle name
dcellnum	varchar(10)	Doctor's mobile phone number
email	varchar(50)	Doctor's email address
org	varchar(100)	Doctor's affiliations or organizations
clinic	varchar(100)	Clinic name

ccity	varchar(20)	Clinic city address
telnum	varchar(7)	Clinic's telephone number
reliever	varchar(10)	Doctor's reliever (doctor_id)
acc_date	date	Doctor's accreditation date to the system
caddress	varchar(200)	Clinic address
cday	varchar(100)	Clinic day schedule
cime	text	Clinic time schedule

3. **inactservorg** – table of the information, activities, services, and organizations related to asthma

Data field	Data type	Description
<u>iaso_num</u>	smallint(5)	Uniquely identifies an information, activity, service, and organization
iaso_date	date	Date added
iaso_title	varchar(200)	Title
iaso_body	text	Main body or content
iaso_type	char(1)	Type of Content [I – information A – Activity S – Service O – organization]
iaso_filename	varchar(100)	Name of the uploaded file
iaso filetype	varchar(50)	Type of the uploaded file
iaso filesize	int	Size of the uploaded file
iaso_filecontent	longlob	Contents of the uploaded file

4. **account** – table of the user accounts

Data field	Data type	Description
<u>username</u>	varchar(10)	Uniquely identifies a user [patient_id doctor_id sysad_id]
password	varchar(50)	User's password
usertype	tinyint(1)	Type of User [1 – Patient 2 – Doctor 3 – SysAd]
status	char(1)	User status [A – Active I – Inactive]

5. **med_hist** – table of the patient's medical history

Data field	Data type	Description
<u>patient_id</u> (fk)	varchar(10)	Uniquely identifies a patient
<u>doctor_id</u> (fk)	varchar(10)	Doctor who last updated the record
last update	date	Date of the last information update
best_pefr	tinyint(3)	Patient's personal best PEFR
vaccines	text	Vaccinations the patient had
asthma_type	varchar(20)	Type of asthma
illnesses	text	Previous illnesses the patient had
family ill	varchar(200)	Illnesses in the family
doc notes	text	Doctor's notes on medical history
hospitalize	text	Previous hospitalizations of the patient

		due to asthma
asthma_date	date	Date diagnosed with asthma
smoker	char(1)	Presence of a smoker at home [Y – Yes N – No]
pets	char(1)	Presence of a pet at home [Y – Yes N – No]
birth_del	char(1)	Manner of birth delivery [N – Normal C – Caesarean]
birth_wt	float	Weight at birth
birth_notes	text	Doctor's notes on birth
feedtype	varchar(20)	Type of feeding [Breast fed Bottle fed]
milktype	varchar(100)	Type of milk formula with dilution
milkprep	varchar(100)	Manner by which milk is prepared
duration	tinyint(3)	Duration of the feeding type (months)
nut_notes	text	Doctor's notes on nutrition
m_age	tinyint(2)	Mother's age during delivery
m_gravity	tinyint(2)	Mother's gravity/parity
m_ill	text	Mother's illnesses during pregnancy
date_create	date	Date created

6. symp_meas – table of the patient's symptoms and spirometer and/or peak flow meter measurements

Data field	Data type	Description
<u>patient_id</u> (fk)	varchar(10)	Uniquely identifies a patient's symptoms and measurements
<u>sm_date</u>	date	Date added
symptoms	varchar(200)	Asthma symptoms experienced [Coughing Shortness of Breath Wheezing Tightness of Chest]
pefr	tinyint(3)	PEFR reading
fvc	float	FVC reading
fev1	float	FEV1 reading
doc_notes	text	Doctor's health assessment and answer to patients questions

7. message – table of the patient's messages posted on the message board

Data field	Data type	Description
<u>msg_num</u>	smallint(5)	Uniquely identifies the message
username (fk)	varchar(10)	Uniquely identifies the sender of the message [patient_id doctor_id sysad_id]
msg_date	date	Date posted on the message board
msg_type	tinyint(1)	Type of message [1 – Private 2 – Public 3 – Health Assessment 4 – Doctor's Non-availability]
msg_body	text	Main body or content
msg_title	varchar(200)	Message title
msg_to	varchar(10)	Receiver of the message [patient_id doctor_id sysad_id]

8. follow_up – table of the patient's clinical follow-up results

Data field	Data type	Description
<u>patient_id</u> (fk)	varchar(10)	Uniquely identifies a patient
<u>doctor_id</u> (fk)	varchar(10)	Doctor who last updated the record
<u>last_update</u>	date	Date the record was last updated
temperature	float	Patient's temperature (centigrade)
weight	float	Patient's weight (pounds)
height	float	Patient's height (centimeters)
last_attack	date	Date of the last asthma attack
daytime	tinyint(2)	Number of daytime symptoms per week
nocturnal	tinyint(2)	Number of nocturnal symptoms per week
taken_meds	varchar(200)	Taken medications during the attacks
follow_notes	text	Doctor's notes
pulse_rate	tinyint(3)	Patient's pulse rate
pefr	tinyint(3)	PEFR reading
vc	float	VC reading
fev1	float	FEV1 reading
er_visit	tinyint(2)	Number of emergency room visits
resp_rate	tinyint(3)	Patient's respiratory rate (per minute)
main_mname	varchar(200)	Maintenance medication
main_dose	varchar(100)	Maintenance medication dosage
main_freq	varchar(200)	Maintenance medication intake frequency
miss_sd	tinyint(2)	Number of school days missed
next_follow	date	Next clinical follow-up or appointment
<u>date_create</u>	date	Date created

9. action_plan – table of the treatment or asthma action plan for the patient

Data field	Data type	Description
<u>patient_id</u> (fk)	varchar(10)	Uniquely identifies a patient
exer_mname	varchar(100)	Medication before exercise
exer_puffs	tinyint(2)	Number of puffs for exercise medication
sqr_mname	varchar(100)	Stable condition: quick-relief medication
sqr_puffs	tinyint(2)	Stable condition: Number of puffs for quick-relief medication
sqr_freq	tinyint(2)	Stable condition: Intake frequency for quick-relief medication
cont_med	varchar(100)	Medication to be continued
add_med	varchar(100)	Additional medication
cqr_mname	varchar(100)	Caution condition: quick-relief medication
cqr_puffs	tinyint(2)	Caution condition: Number of puffs for quick-relief medication
cqr_freq	tinyint(2)	Caution condition: Intake frequency for quick-relief medication
numhours	tinyint(2)	Number of hours to be considered before taking prednisone
inc_mname	varchar(100)	Caution condition: increase medication
inc_puffs	tinyint(2)	Caution condition: Number of puffs for increase medication

<u>inc_freq</u>	tinyint(2)	Caution condition: Intake frequency for increase medication
<u>pred</u>	varchar(100)	Prednisone
<u>numdays</u>	tinyint(2)	Number of days prednisone to be taken
<u>aadd_pred</u>	varchar(100)	Add or increase prednisone
<u>triggers</u>	varchar(200)	Asthma triggers
<u>aqr_mname</u>	varchar(100)	Alert condition: quick-relief medication
<u>aqr_freq</u>	tinyint(2)	Alert condition: Intake frequency for quick-relief medication
<u>sp_instruct</u>	text	Doctor's special instruction for the patient
<u>doctor_id (fk)</u>	varchar(10)	Doctor who last updated the record
<u>last_update</u>	date	Date the record was last updated
<u>doc_notes</u>	text	Doctor's notes on triggers
<u>s_pefr1</u>	tinyint(3)	Stable lower bound PEFR
<u>s_pefr2</u>	tinyint(3)	Stable upper bound PEFR
<u>c_pefr1</u>	tinyint(3)	Caution lower bound PEFR
<u>c_pefr2</u>	tinyint(3)	Caution upper bound PEFR
<u>a_pefr1</u>	tinyint(3)	Alert lower bound PEFR
<u>a_pefr2</u>	tinyint(3)	Alert upper bound PEFR
<u>lt_mname1</u>	varchar(100)	1 st long-term medication
<u>lt_puffs1</u>	tinyint(2)	Number of puffs for 1 st long-term medication
<u>lt_freq1</u>	tinyint(2)	Intake frequency for 1 st long-term medication
<u>lt_mname2</u>	varchar(100)	2 nd long-term medication
<u>lt_puffs2</u>	tinyint(2)	Number of puffs for 2 nd long-term medication
<u>lt_freq2</u>	tinyint(2)	Intake frequency for 2 nd long-term medication
<u>lt_mname3</u>	varchar(100)	3 rd long-term medication
<u>lt_puffs3</u>	tinyint(2)	Number of puffs for 3 rd long-term medication
<u>lt_freq3</u>	tinyint(2)	Intake frequency for 3 rd long-term medication
<u>date_create</u>	date	Date created

10. billing – table of the billings of the patients

Data field	Data type	Description
<u>username (fk)</u>	varchar(10)	Uniquely identifies a patient [patient_id]
<u>date_modified</u>	date	Last date modified
<u>amt_type</u>	char(3)	Billing Type [MMF – Monthly Membership Fee CF – Consultation Fee]
<u>amount</u>	smallint(5)	Amount of the bill

C. Context Diagram

The system has 4 target users: (1) Patient or patient's parent/guardian, (2) Doctor or Pulmonary physician, (3) System Administrator, and (4) Guest or anonymous online user as

shown in the Context Diagram in Figure 18. All the online users can view the asthma information, activities, services, and organizations. They can also generate reports and graphs on asthma prevalence on children.

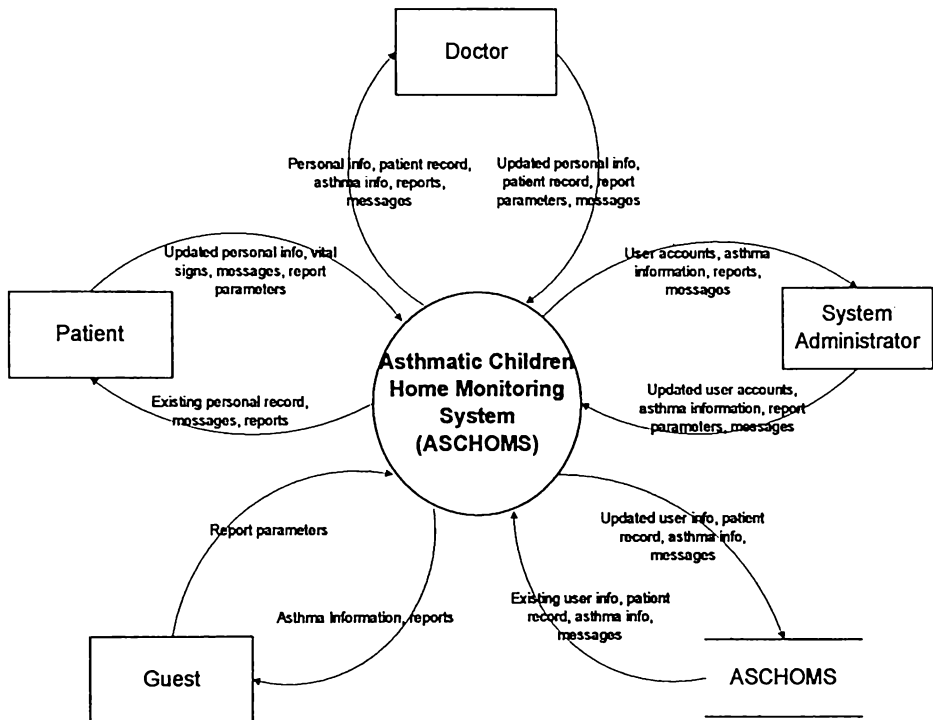


Figure 18. Context Diagram of ASCHOMS

Figure 19 shows the sub-explosion of the ASCHOMS data store. It is made up of 9 tables namely: *patient*, *doctor*, *account*, *med_hist*, *action_plan*, *follow_up*, *symp_meas*, *inactservorg*, *message*, and *billing*.

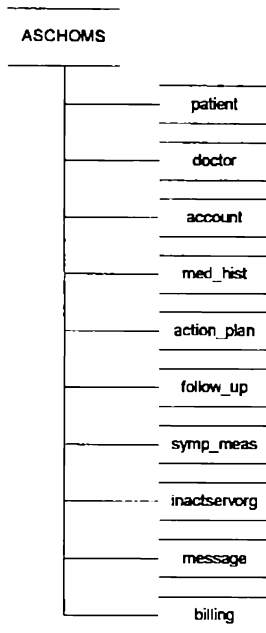


Figure 19. Sub-explosion of the ASCHOMS data store, ASCHOMS

D. Data Flow Diagram

The top level data flow diagram of ASCHOMS is shown in Figure 20. It contains five main processes, four users, one data store, and the corresponding data involved in every process flow.

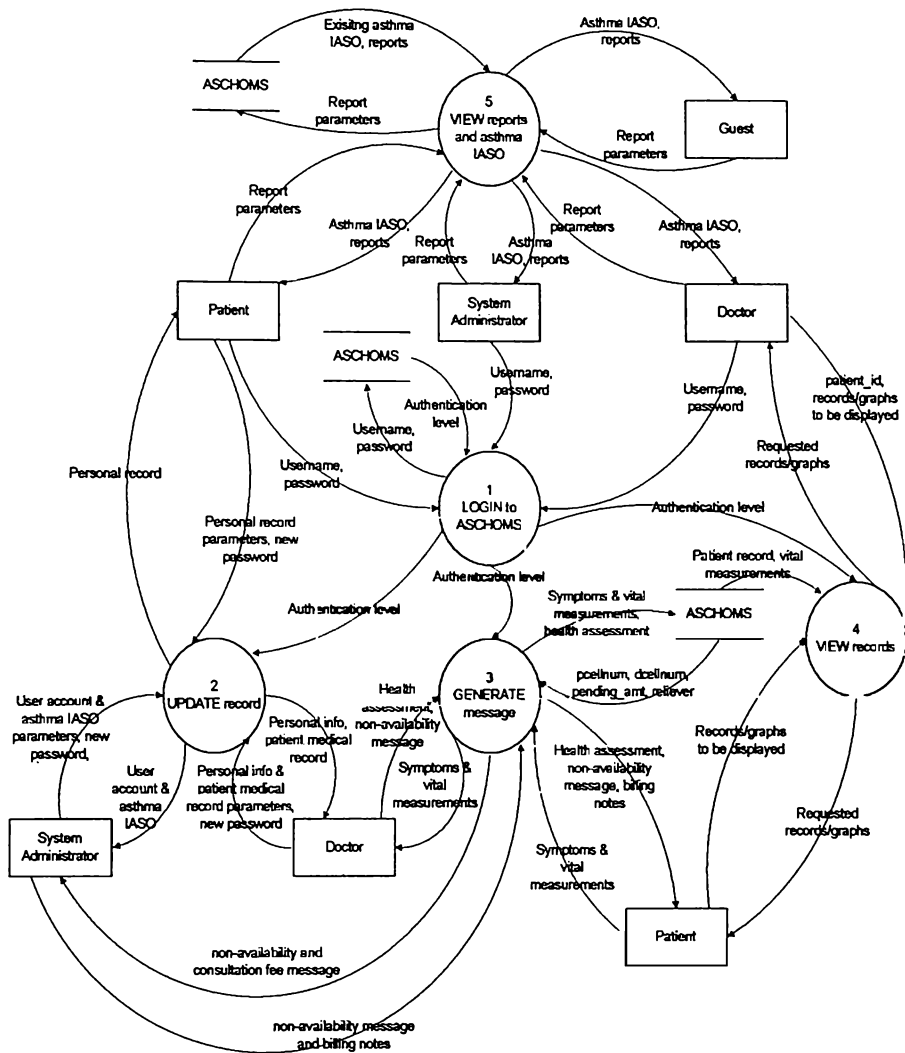


Figure 20. Top Level Data Flow Diagram, ASCHOMS

All the online viewers can view all the available asthma information, PGH activities and services as Figure 21 shows. The patient, doctor, and system administrator must first login to the system for security reason. Once authenticated, the valid users can perform their own functionalities. The sub-explorations of the involved sub-processes are seen in Figure 22-23.

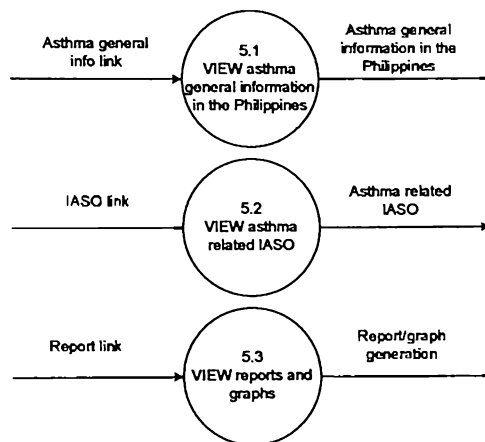


Figure 21. Sub-exploration of Process 5: View reports and IASO, ASCHOMS

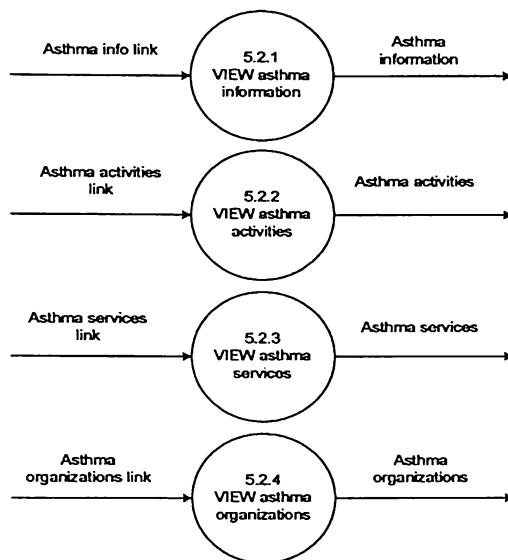


Figure 22. Sub-explosion of Process 5.2: View asthma related IASO, ASCHOMS

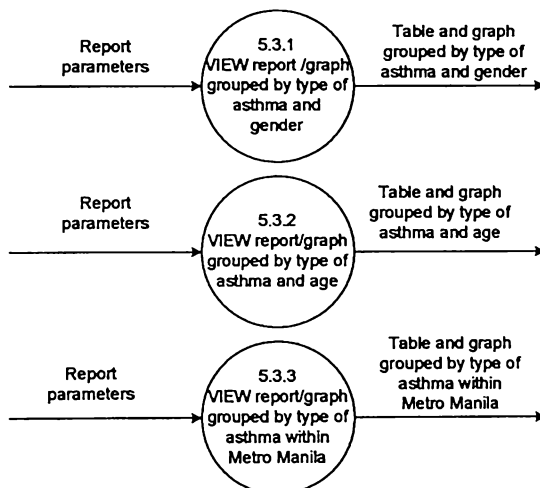


Figure 23. Sub-explosion of Process 5.3: View reports and graphs, ASCHOMS

If the patient and the doctor had been verified to be authentic users of the system, the vital measurements graphical trend, medical records – asthma action plan and clinical follow-up, and current billings – can be viewed by them as illustrated in Figure 24. The patient can only view some of the contents of the medical records while the doctor has the full view as shown in Figure 25. In Figure 26, a patient can only view his graphical trend while the doctor can view only his patient's graphs.

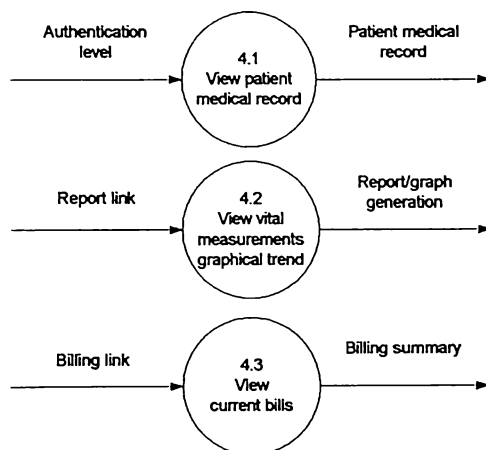


Figure 24. Sub-explosion of Process 4: View records, ASCHOMS

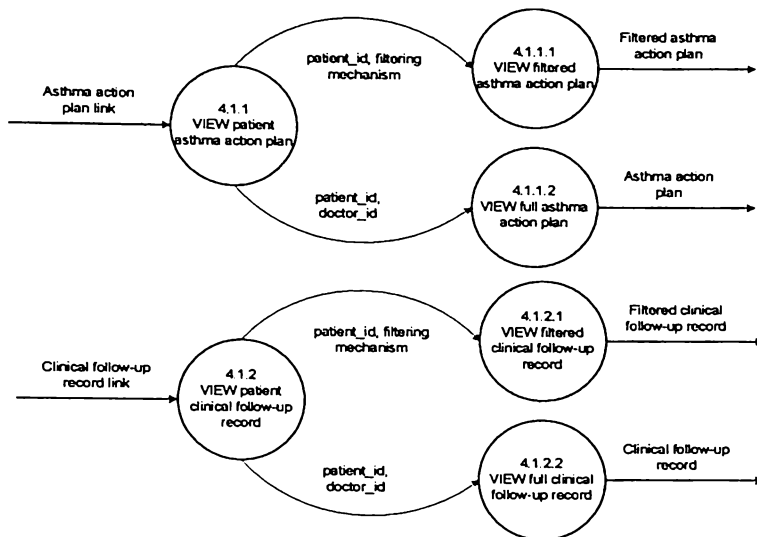


Figure 25. Sub-explosion of Process 4.1: View patient medical record, ASCHOMS

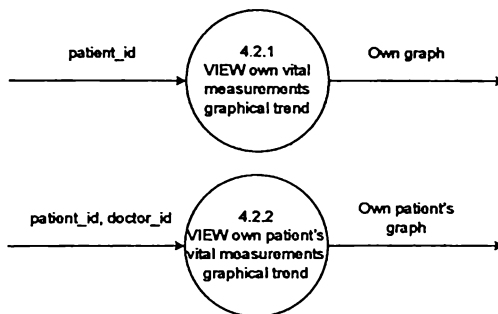


Figure 26. Sub-explosion of Process 4.2: View vital measurements graphical trend, ASCHOMS

Figure 27 shows the common functionality among the system administrator, doctor, and patient; Update Record. Every valid user has an access level to every process. The common functionality to all of the valid users is changing their own password.

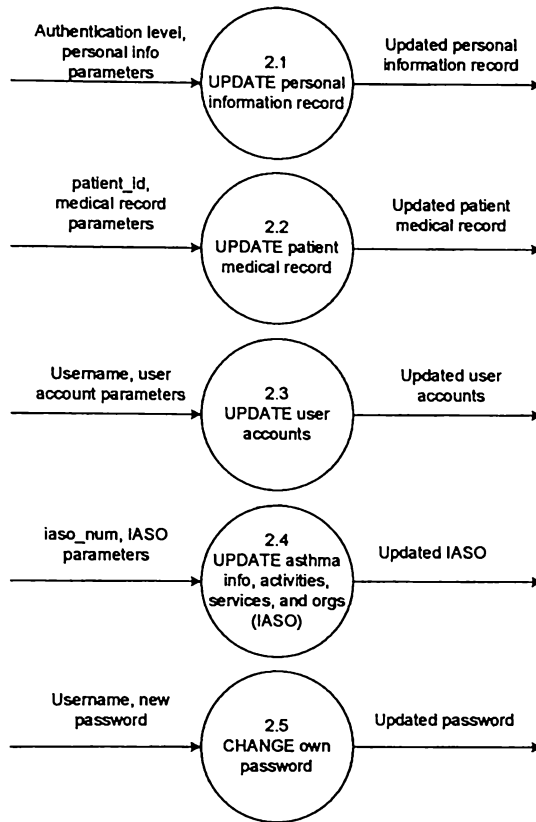


Figure 27. Sub-explosion of Process 2: Update record, ASCHOMS

Process 2.1 (Update personal information record) can be sub-exploded to two sub-processes namely, update patient personal information and update doctor personal information shown in Figure 28. The doctor's personal information is added by the system administrator upon the doctor's accreditation in the system; patient's personal information is added by the doctor upon enrolment. Modification in the personal information of the doctor and the patient is done on their own.

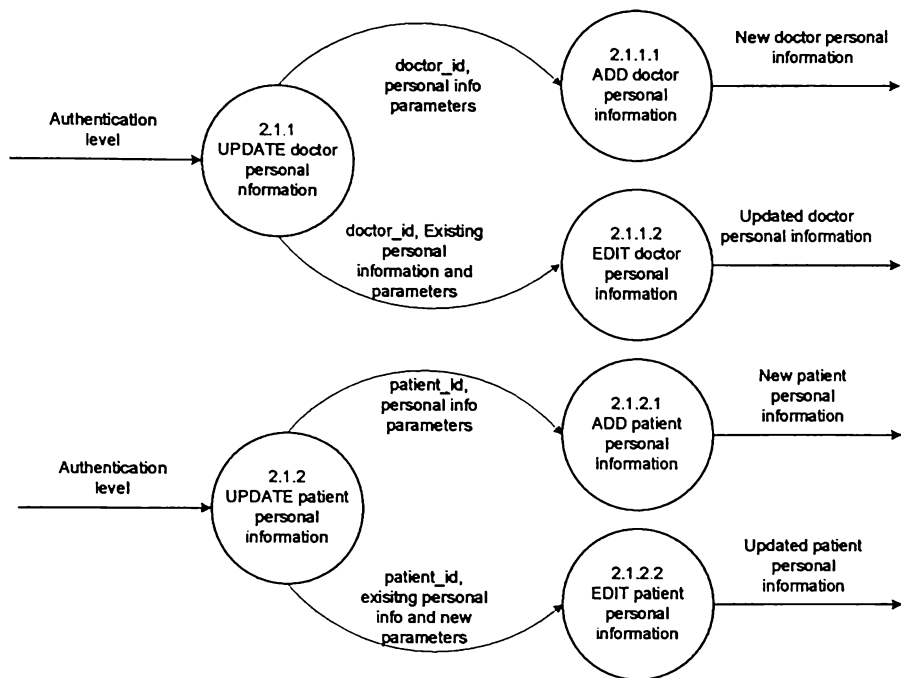


Figure 28. Sub-explosion of Process 2.1: Update personal information record, ASCHOMS

The pulmonary physician or doctor monitoring a patient has the capability to update the patient's medical records. In Figure 29, the update on the medical records – medical history, asthma action plan, and clinical follow-up – is shown.

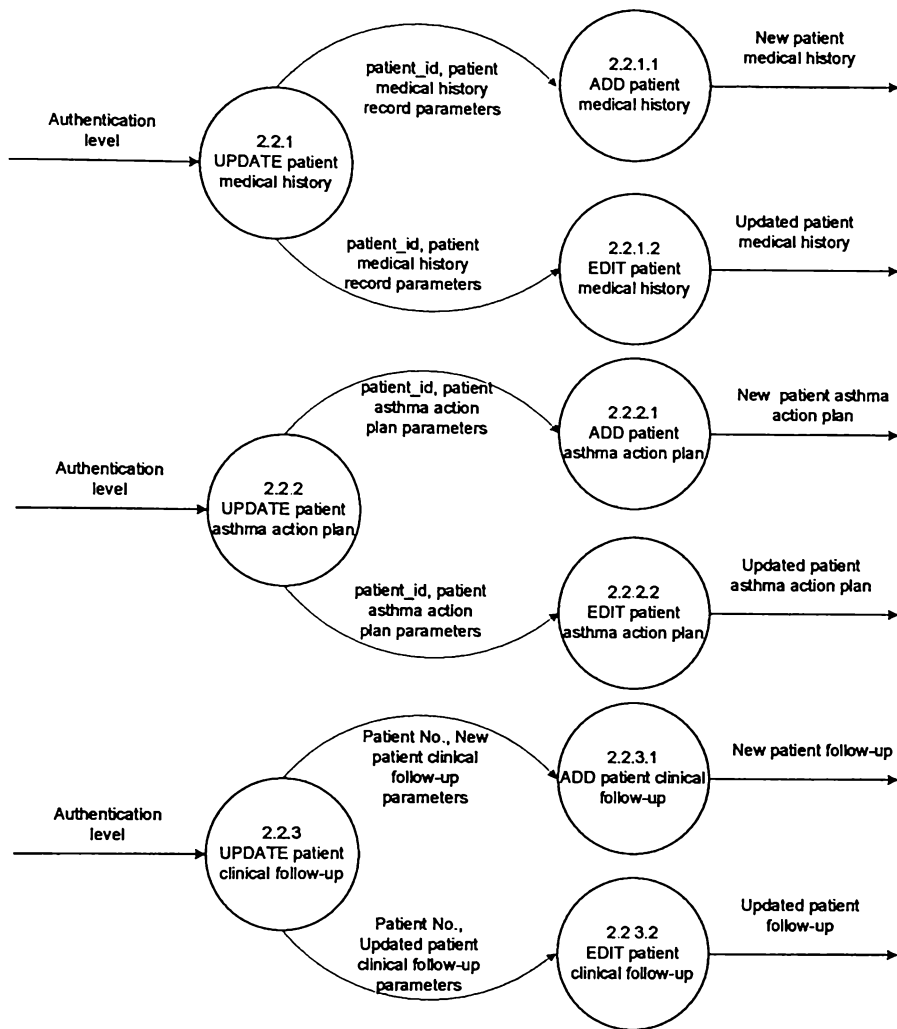


Figure 29. Sub-explosion of Process 2.2: Update patient medical record, ASCHOMS

The system administrator has the capability of updating the user accounts and the asthma related information, activities, services, and organizations (See Figure 30 and 31).

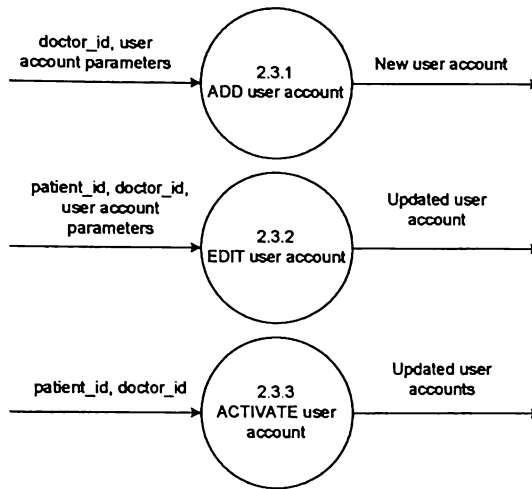


Figure 30 Sub-exploration of Process 2.3: Update user account, ASCHOMS

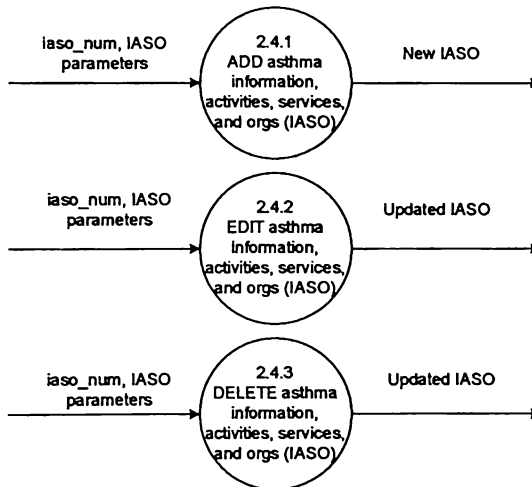


Figure 31. Sub-exploration of Process 2.4: Update asthma related IASO, ASCHOMS

The interaction among registered users can be via online private and public messages (message board), and via SMS. Figure 32 shows the sub-processes of Process 3, generate

message. The sub-explosions of the sub-processes are illustrated in Figures 33, 34, and 35, respectively.

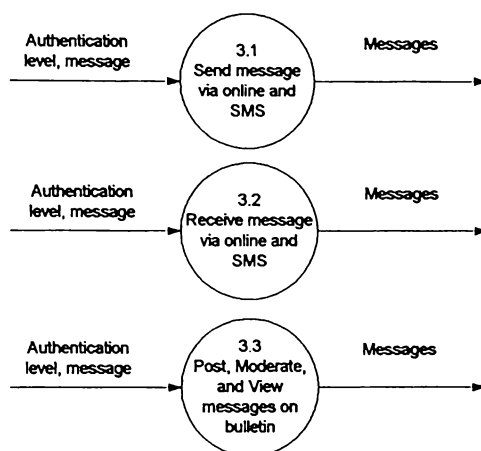


Figure 32. Sub-explosion of Process 3: Generate message, ASCHOMS

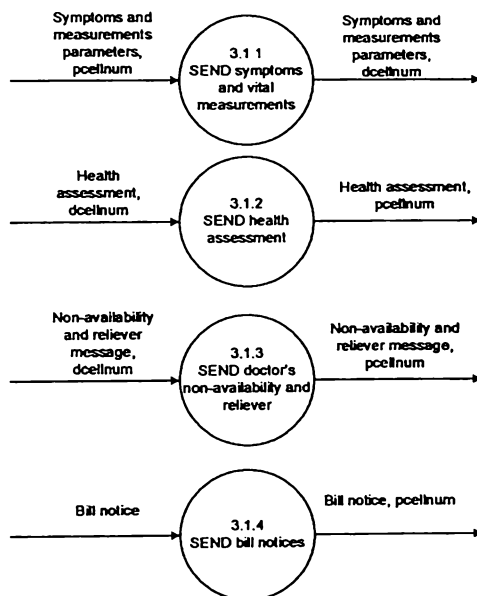


Figure 33. Sub-explosion of Process 3.1: Send message via online and SMS, ASCHOMS

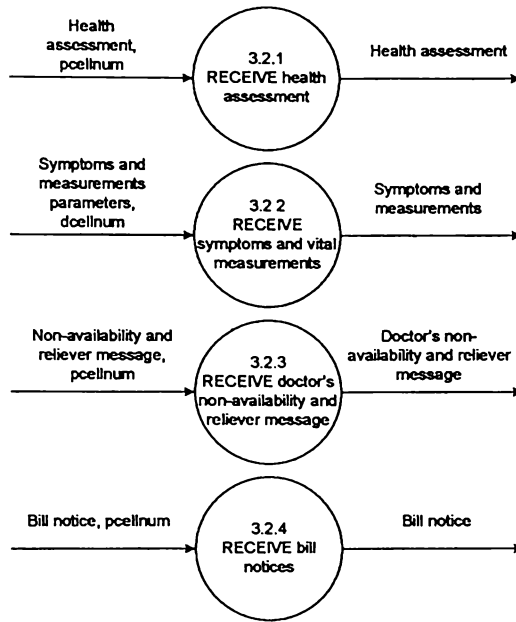


Figure 34. Sub-explosion of Process 3.2: Receive message via online and SMS, ASCHOMS

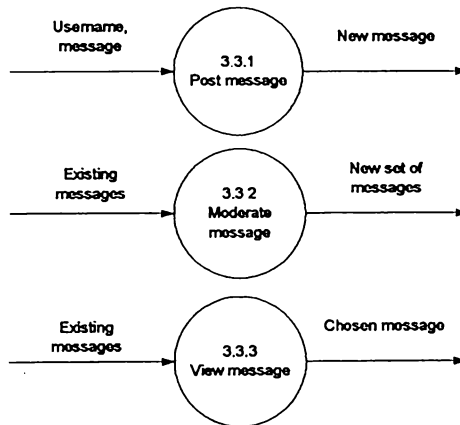


Figure 35. Sub-explosion of Process 3.3: Post, Moderate, and View public messages, ASCHOMS

E. Data Collection and Retrieval

The patient and doctor can send their respective asthma information and messages through SMS.

- A patient can send his symptoms and vital measurements
- A doctor can send health assessment
- A doctor can send his non-availability with his temporary reliever
- A doctor can send consultation fee to a patient

The all-capital letter fields are considered keywords for every message to be sent. The following are the keywords to be used:

- SVM for Symptoms and vital measurements
- NA for doctor's non-availability message
- HA for doctor's health assessment with schedule of next clinical appointment
- CF for patient's bill notices

1. SMS Format

Through SMS, symptoms and vital measurements of the patient can be sent in the following format:

SVM-[patient_id]-[password]-[coughing?]-[shortness of breath?]-[wheezing?]-
[tightness of chest?]-[pefr]-[fvc]-[fev1]

Example:

SVM-p123456789-qwertyas-Y-Y-N-Y-100-60-70

System Interpretation: The patient with patient_id p123456789 and password qwertyas has submitted symptoms of coughing, wheezing, and tightness of chest with the following vital measurements PEFR = 100, FVC = 60, and FEV1 = 70.

In case of doctor's health assessment to the symptoms and vital measurements of the patient, it is entered in the following format:

HA-[doctor_id]-[password]-[patient_id]-[svm date]-[assessment]

Example:

HA-d987654321-zxcvasdf-p123456789-2005-02-10-Continue your maintenance medication

System Interpretation: The doctor with doctor_id d987654321 and password zxcvasdf has submitted health assessment for patient with patient_id p123456789 for his or her SVM dated February 10, 2005. The patient is instructed to continue his maintenance medication.

The following format is used for the doctor's non-availability message:

NA-[doctor_id]-[password]-[start date]-[end date]-[reliever]-[reason]

Example:

NA-d987654321-zxcvasdf-2005-05-01-2005-05-10-tempdoc-I am going to a seminar in China

System Interpretation: The doctor with doctor_id d987654321 and password zxcvasdf will be unavailable from May 1 to May 10, 2005 because he has to attend a seminar in China and will be temporarily replaced by another pulmonary doctor with doctor_id tempdoc.

For consultation fee notices, the doctor can enter the message in this manner:

CF-[doctor_id]-[password]-[patient_id]-[amount]

Example:

CF-d987654321-zxcvasdf-p123456789-300

System Interpretation: The doctor with doctor_id d987654321 and password zxcvasdf charged a consultation fee of 300 pesos to patient with patient_id p123456789.

2. Grammatical Rules

Every message sent through SMS is parsed by the system to determine validity. The grammatical rules must be followed to successfully process the message to be sent.

The rules for valid messages:

```
<message> ::= "SVM" <dash> <patient_id> <dash> <password> <dash> <svm_list>
           | "HA" <dash> <doctor_id> <dash> <password> <dash> <ha_list>
           | "NA" <dash> <doctor_id> <dash> <password> <dash> <na_list>
           | "CF" <dash> <doctor_id> <dash> <password> <dash> <bill_list>

<patient_id> ::= <letter> | <digit> {<letter> | <digit>}
<doctor_id> ::= <letter> | <digit> {<letter> | <digit>}
<password> ::= <letter> | <digit> {<letter> | <digit>}
<svm_list> ::= <cough> <dash> <short_breath> <dash> <wheeze> <dash> <tight_chest>
              <dash> <pefr> <dash> <fvc> <dash> <fev1>
<ha_list> ::= <patient_id> <dash> <svm_date> <dash> <assessment>
<na_list> ::= <start_date> <dash> <end_date> <dash> <reliever> <dash> <reason>
<bill_list> ::= <patient_id> <dash> <amount>
<space> ::= ' '
<dash> ::= '-'
<letter> ::= 'A' | ... | 'Z' | 'a' | ... | 'z'
<digit> ::= 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9
<cough> ::= 'Y' | 'N'
<short_breath> ::= 'Y' | 'N'
<wheeze> ::= 'Y' | 'N'
<tight_chest> ::= 'Y' | 'N'
<pefr> ::= <digit> {<digit>}
```

`<fv> ::= <digit> . <digit> {<digit>}`
`<fev1> ::= <digit> . <digit> {<digit>}`
`<assessment> ::= <char> {<char>}`
`<reason> ::= <char> {<char>}`
`<char> ::= <letter> | <digit> | <space>`
`<svm_date> ::= <year> <dash> <month> <dash> <day>`
`<start_date> ::= <year> <dash> <month> <dash> <day>`
`<end_date> ::= <year> <dash> <month> <dash> <day>`
`<month> ::= 0 <digit> | 10 | 11 | 12`
`<day> ::= 01 | 02 | ... | 31`
`<year> ::= 2004 | 2005 | ...`
`<reliever> ::= <letter> | <digit> {<letter> | <digit>}`
`<amount> ::= <digit> {<digit>}`

F. Technical Architecture

The Asthmatic Children Home Monitoring System (ASCHOMS) is a web-based information system and uses client-server architecture (see Figure 36). Client/server describes the relationship between two computer programs in which one program, the client, makes a service request from another program, the server, which fulfills the request [31]. A *client* is an individual user's computer or a user application that does a certain amount of processing on its own. In the system, the client is the online users. A *server* consists of one or more computers that receive and process requests from one or more client machines [32].

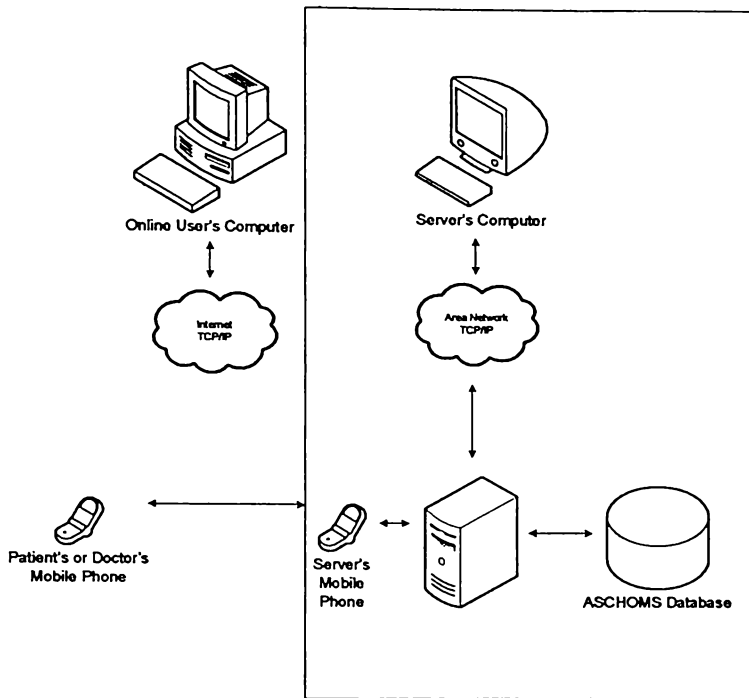


Figure 36. Technical Architecture of ASCHOMS

Technical Requirements

The Server machine to be used in the system should have the following specifications:

Hardware Requirements:

- processor should at least be 2GHz
- RAM should be at least 256MB
- Memory should at least be 2GB
- Nokia cellular phone, preferably 7110

Software Requirements:

- Operating system should at least be Microsoft Windows 98
- The following applications should be installed for the system to run:

- PHP scripting interpreter at least version 4.0.4
- Apache HTTP Server at least version 1.3.19
- MySQL database platform at least version 4.0
- Gnokii Version 0.3.3

The Client machine to be used in the system should have the following specifications:

- processor should be at least 800MHz
- video card compatible with 16-bit color or better for graphs
- internet access
- internet browser that is JavaScript enabled
- Nokia cellular phone, preferably 62x, 7110

V. RESULTS

The home page of Asthmatic Children Home Monitoring System (ASCHOMS) is shown in Figure 37. The left panel is for member's login which requires the username and the corresponding password. Any invalid combination will not be accepted by the system. Additionally, the currently inactive members will not gain access to the system. The asthma condition in the Philippines is seen in the main panel. Links to the frequently asked questions about asthma, asthma related information, activities, services and organizations and asthma prevalence report generation are in the top panel. These links directs any online user to the respective pages.

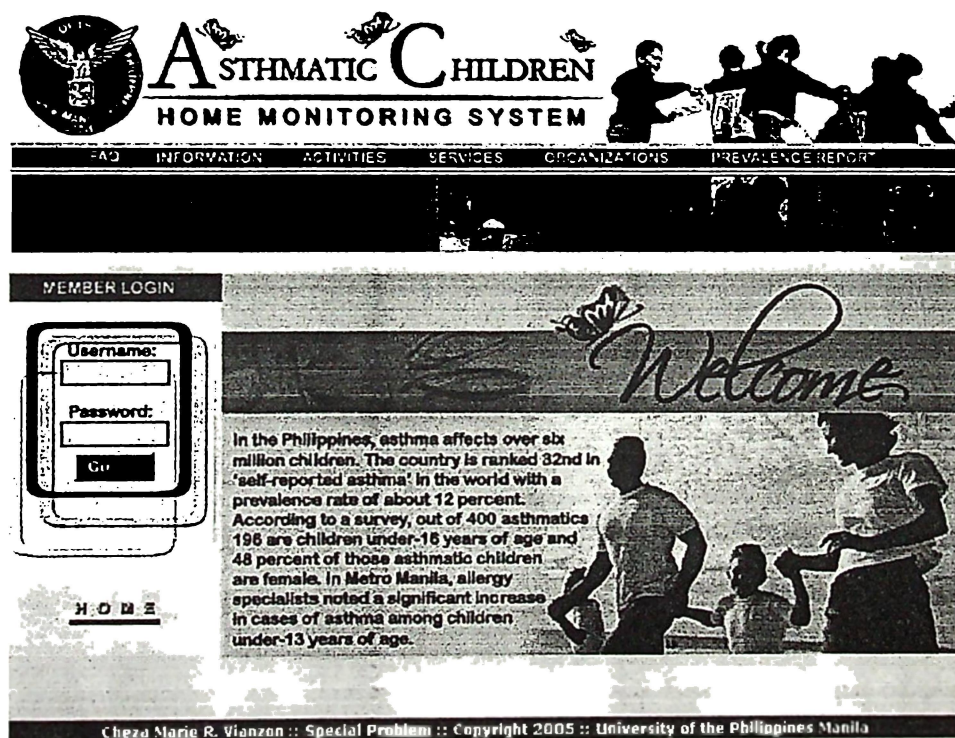


Figure 37. Home Page, ASCHOMS

A patient can view his or her action plan and clinical follow-up. Figure 38 shows a sample action plan; it is the same with the follow-up. An action plan contains the doctor's instructions on caring for the patient's asthma symptoms at certain circumstances – stable, caution, and alert. The viewable records are the most recent action plan and follow-up, the patient cannot view the previous ones. These records are filtered in such a way that the information intended for the doctors will not be viewable for the patients.



ASTHMATIC CHILDREN

HOME MONITORING SYSTEM



[FAQ](#)
[INFORMATION](#)
[ACTIVITIES](#)
[SERVICES](#)
[ORGANIZATIONS](#)
[PREVALENCE REPORT](#)

Welcome dimacalig

Asthma Management

[View Action Plan](#)
[View Clinical Follow-Up](#)
[View Graphical Trend](#)
[Send Symptoms and Vital Measurements](#)

Your Account

[Change Password](#)
[Current Billings](#)
[General Information](#)
[Doctor's Clinic Schedule](#)
[Private Messages](#)
[Bulletin Board](#)

Logout

View Action Plan

You have 5 action plan(s). Below is the most recent action plan, the only allowed record for your viewing.

Patient ID : dimacalig
Data Created : 2005-04-01
Doctor ID : doctor
Last Update : 2005-04-01
Personal Best PEFR : 100
Today : April 01 2005

STABLE ZONE	CAUTION ZONE	ALERT ZONE
This is when: - Have no symptoms - Can do daily activities without difficulty - Sleep undisturbed by your breathing	This is when: - Increased difficulty breathing - Sleep disturbed by asthma symptoms - Frequent, tight coughing - Wheezing - Difficulty doing daily activities	This is when: - Prolonged or worse or breath that medication relieves only breath or doesn't have - Trouble waking or falling - Inability to do daily activities because of breathing trouble
Calculated Peak Flow: 80 to 100 (80 percent to 100 percent of personal best)	Calculated Peak Flow: 80 to 50 (50 percent to 80 percent of personal best)	Calculated Peak Flow: 20 to 50 (less than 50 percent of personal best)
Take daily long-term control medications : Fenoterol - 2 puffs 2 times/day Bedomethasone - 1 puffs 1 times/day - 0 puffs 0 times/day	Take quick-relief medications : Fluticasone - 1 puffs 1 times/day Increase : Fenoterol to 5 puffs 2 times/day	Take quick-relief medications : Seek emergency care or call your doctor : 669174189736

Figure 38. View Action Plan, ASCHOMS

The graphical trend of the patient's vital measurements – PEFr, FVC, FEV1 – can be displayed on a separate window (see Figure 39). It can be used to monitor the asthma condition of the patient and may be used as a reference for the asthma treatment planning for the patient.

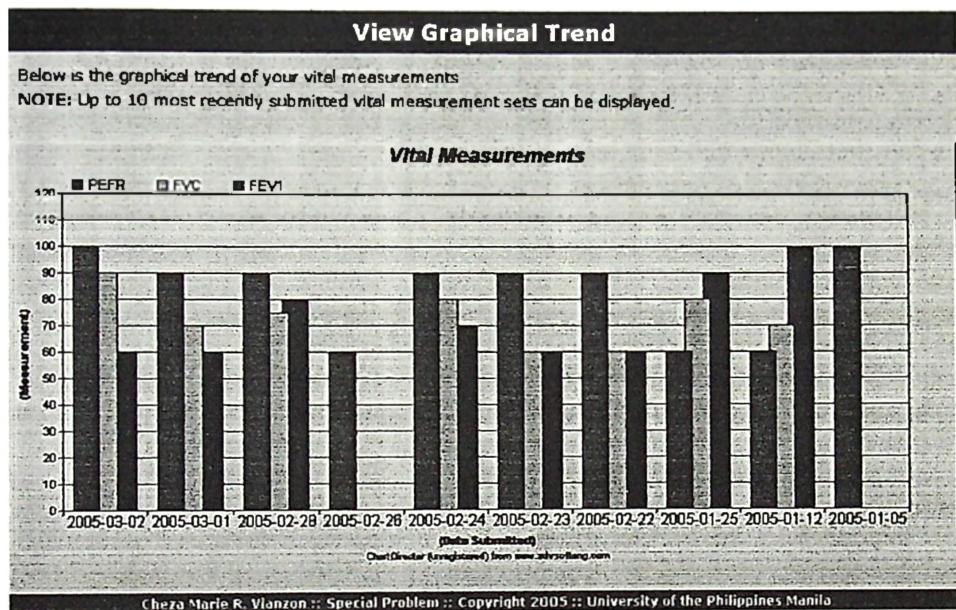


Figure 39. View Graphical Trend, ASCHOMS

Along with the graphical trend, the symptoms and vital measurement (SVM) record can be viewed, in Figure 40. The health assessment of the doctor for a certain SVM record is also displayed to inform the patients about their health status. The SVM data are from the patients while the health assessments are from the doctors. These data are submitted through the online system or SMS. The patients are allowed to submit one SVM record each day.

The screenshot displays the ASCHOMS Home Monitoring System interface. At the top, there is a header with the system's logo and navigation links: FAQ, INFORMATION, ACTIVITIES, SERVICES, ORGANIZATIONS, and PREVALENCE REPORT. Below the header, a sidebar on the left contains links for Asthma Management (View Action Plan, View Clinical Follow-Up, View Graphical Trend, Send Symptoms and Vital Measurements), Your Account (Change Password, Current Billings, General Information, Doctor's Clinic, Schedule, Private Messages, Bulletin Board), and Logout. The main content area is titled "View Asthma Symptoms and Vital Measurements" and shows data for a record submitted on 2005-02-28. The symptoms listed are Wheezing and Shortness of Breath. Vital measurements include a Peak Expiratory Flow Rate of 90, a Forced Vital Capacity of 75, and a Forced Expiratory Volume in 1 second of 80. The Doctor's Comment section contains a list of messages from the doctor, including reminders to take medication and a note about a vacation.

Date Submitted : 2005-02-28	
Symptoms	
- Wheezing - Shortness of Breath	
Peak Expiratory Flow Rate : 90	
Forced Vital Capacity : 75	
Forced Expiratory Volume in 1 second : 80	
Doctor's Comment	
- doctor :: 2005-03-01 have a vacation - doctor :: 2005-03-01 take your medication 3x a day - doctor :: 2005-03-01 take your medication 3x a day - doctor :: 2005-03-01 take your medication 3x a day - doctor :: 2005-02-28 take your medication 3x a day - doctor :: 2005-02-28 take your medication 3x a day	

Figure 40. View Asthma Symptoms and Vital Measurements, ASCHOMS

The patient can view his or her current pending bills, both monthly membership and consultation fees (see Figure 41). The amount and the date when the fee was added are displayed to see the breakdown of the total amount he or she has to pay. As stated in the assumptions of the project, the payment of the pending bills is done outside the system.

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome dimacalig

Current Billing

Asthma Management

- [View Action Plan](#)
- [View Clinical Follow-Up](#)
- [View Graphical Trend](#)
- [Send Symptoms and Vital Measurements](#)

Your Account

- [Change Password](#)
- [Current Billings](#)
- [General Information](#)
- [Doctor's Clinic](#)
- [Schedule](#)
- [Private Messages](#)
- [Bulletin Board](#)

Logout:

[H](#) [O](#) [M](#) [E](#)

Consultation Fee	Date	Amount
	2005-02-25	300
	2005-02-28	200
	2005-03-01	250
	TOTAL :	750

Monthly Membership Fee	Date	Amount
	2005-01-22	300
	TOTAL :	300

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Figure 41. View Current Billings, ASCHOMS

The doctor can enroll their patients to the system as shown in Figure 42. The enrolment is done in the doctor's clinic. The general information of the patient must be filled-up as well as the patient's login information.

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome doctor

Patient Profile

- List Patients
- Enroll Patient
- Update Billing
- Update Medical History
- Update Action Plan
- Update Follow Up
- View Patient's Asthma Condition

Your Account

- Send Non-availability
- Change Password
- General Information
- Clinic Schedule
- Private Messages
- Bulletin Board

Logout

Add Patient

Fill-up the patient account and personal information

Patient's Name	Last Name *	First Name *	Middle Name
	Vianzon	Cheza Marie	Ramos
	Date of Birth (YYYY-MM-DD)	Age 14 *	Mobile Phone Number
	1990-12-24	Sex Female ☒ *	+63
	Address Street/Town		City *
			Makati ☒
Contact Person	Name	Relation	Address
	Username *	Password *	
	blossom	*****	
Add Patient			

* - required field

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Figure 42. Add a Patient, ASCHOMS

The doctor can moderate the consultation fees through the system (see Figure 43). He or she is allowed to add, edit, and delete patient's pending bills. He or she can only update the billings of his or her active patients. The addition and modification of consultation fees can be done through the online system or SMS. Afterwards, a private message and SMS notice will be sent to the specified patient.

ASCHOMS HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome doctor

Patient Profile

- List Patients
- Enroll Patient
- Update Billing
- Update Medical History
- Update Action Plan
- Update Follow Up
- View Patient's Asthma Condition

Your Account

- Send Non-availability
- Change Password
- General Information
- Clinic Schedule
- Private Messages
- Bulletin Board

Logout

View Patients' Pending Consultation Bills

Patient: --- Select a Patient --- **Add Bill**

Check the box across the patient's bill to be fully paid

Paid	Patient ID	Patient Name	Pending Fee	Date
☐	dimacaliq	Procopia Dimacaliq	250	2005-03-01
☐	raymond	usher raymond	150	2005-02-28
☐	davidson	Christopher Davidson	150	2005-02-28
☐	dimacaliq	Procopia Dimacaliq	200	2005-02-28
☐	dimacaliq	Procopia Dimacaliq	300	2005-02-25

HOME

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Figure 43. Update of Consultation Fees, ASCHOMS

A doctor can select a particular patient's medical history record as shown in Figure 44. A patient possesses only one medical history. If the patient is currently inactive, no action is allowed. Once a record has been created, the doctor can only edit or view that record. This is the same with the viewing of patient's action plans and clinical follow-ups. The only difference is that a patient can own many of the two latter records. The modification in the action plan and follow-up is only allowed to the record entry of the current date, but viewing of any medical record can be done.

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome doctor

View Patients' Medical History

Click the patient id to view his/her medical history
NOTE: If the patient ID is not a link, it means that the patient is inactive

Patient ID	Patient Name	Date Enrolled	
copon	isabel copon	2005-02-28	—
davidson	Christopher Davidson	2005-02-25	Edit
dimacalla	Procopia Van Den Berg Dimacall	2004-12-25	Edit
king	Nina King	2005-02-28	Add
raymond	usher raymond	2005-02-28	—

Logout

HOME

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Figure 44. List of Patient's for Medical History, ASCHOMS

There are times when a pulmonary doctor is not available due to some reasons. In Figure 45, the doctor can send his or her non-availability dates to his or her patients, reliver and system administrator. The system administrator has the responsibility to deactivate the doctor in times of his unavailability. If the doctor becomes an inactive member of the system, all his patients will be temporarily transferred to his or her reliver doctor. But once he or she is activated again by the system administrator, all his original patients will be transferred again in his list. The notice of non-availability can be submitted through the online system or SMS.

ASCHOMS HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome doctor

Patient Profile

- List Patients
- Enroll Patient
- Update Billing
- Update Medical History
- Update Action Plan
- Update Follow Up
- View Patient's Asthma Condition

Your Account

- Send Non-availability
- Change Password
- General Information
- Clinic Schedule
- Private Messages
- Bulletin Board

Logout

Send Non-Availability

This non-availability notification will be sent to all of your patients, to your pulmonary doctor reliver, and to the system administrator
 NOTE: Once the system administrator deactivated you, that is the time your patients will be transferred to your reliver temporarily

Non-availability Date [YYYY-MM-DD]	From: 2005-07-07 *	To: 2005-07-20 *
Pulmonary Doctor Reliever	Doctor ID: tempdoc	
Reason / Additional Message	I will be attending a conference in California, USA 	
Send Notice		

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Figure 45. Send Non-availability Notice, ASCHOMS

The clinic schedule of the doctor can be added in the system. Once added, he or she can only view and edit own schedule, Figure 46. The patients can view their own doctor's clinic schedule.

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome doctor

Edit Clinic Schedule

Patient Profile

- List Patients
- Enroll Patient
- Update Billing
- Update Medical History
- Update Action Plan
- Update Follow Up
- View Patient's Asthma Condition

Your Account

- Send Non-availability
- Change Password
- General Information
- Clinic Schedule
- Private Messages
- Bulletin Board

Logout

[HOME](#) [Back](#)

Clinic Name	MediClinic	
Clinic Address	Sucat, Parañaque City	
Clinic Schedule	Day	Time
	Sunday	
	Monday	10:00am - 2:00pm
	Tuesday	7:00am - 11:00am
	Wednesday	
	Thursday	7:00am - 3:00pm
	Friday	9:00am - 2:00pm
	Saturday	
Edit Schedule		

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Figure 46. Edit Clinic Schedule, ASCHOMS

The system administrator has the responsibility of managing the user accounts. He or she can only add doctors' account and can edit – activate and deactivate – all the accounts. In Figure 47, if the system administrator has to add an account he or she must first enter the username to be added and click on the 'Add an Account' button; if activation or deactivation has to be done in an account, he or she has to click on the username.

Update User Account

Username :

Click on the username to edit the account

Username	Name	User Type	Status
dimacalig	Protopia Van Den Berg Dimacalig	Patient	Active
davidson	Christopher Davidson	Patient	Active
king	Nina King	Patient	Active
raymond	Usher raymond	Patient	Inactive
jackson	Michael Jackson	Patient	Active
federline	britney spears federline	Patient	Active
copon	isabel copon	Patient	Inactive
doctor	Vincent Peter C. Magboo	Doctor	Active
temader	Cheza, Marie R. Vianzon	Doctor	Active
mydoctor	David Panganiban	Doctor	Inactive

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Figure 47. Update User Account, ASCHOMS

Another functionality of the system administration is the management of the asthma related contents – information, activities, services, and organizations (IASO). The system administrator can add, edit, and delete any of the said contents. Figure 48 shows the screenshot for the management of asthma related activities. If an activity has to be added, he or she can click on the 'Add an Activity' button. For modification and deletion, the system administrator has to enter the Activity number then click on the 'Edit' or 'Delete' button. The same interface and methods are used in updating the other contents.

ASCHOMS
HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome cheza

Update Activities

Account Management
Update User Account
Content Management
Add an Activity

Activity Number :

Number	Title	Nature of Activity	Last Update Date
2	Breathe Easy, Do Yoga	Here is an exercise that will you breathe easily and properly, it is called yoga, it does not have any bad side effects on asthma patients. Try it!	2005-02-27
8	Tai-chi in the Morning	The health workers in San Antonio Village, Makati City has planned an activity every morning starting on March 1, 2005. This activity is called Tai-chi in the Morning, tai-chi exercise.	2005-02-28

HOME

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Figure 48. Update Activities, ASCHOMS

All the members of ASCHOMS have common functionalities – change their password, delete, send and view private messages, and view public messages. The system administrator has the responsibility of moderating the public messages (see Figure 49).

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Welcome cheza

Bulletin Board

Click the title to view the message

Post Bulletin

Delete	From	Title	Date
☐	cheza	Reminder MME Payment	2005-02-28
☐	dimacalig	Province Is great...	2005-02-28
☐	mydoctor	Truly... Province can help...	2005-02-28

Account Management

- [Update User Account](#)
- [Content Management](#)
- [Upload IASO File](#)
- [Update Activities](#)
- [Update Services](#)
- [Update Information](#)
- [Update Organizations](#)

Your Account

- [Change Password](#)
- [Private Messages](#)
- [Bulletin Board](#)

[Logout](#)

HOME

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Figure 49. Moderate Bulletin Board, ASCHOMS

Viewing of asthma related information, activities, services, and organizations are available to every online user. They can also freely generate multiple reports on the different asthma prevalence grouped by type of asthma, gender, age, and location in Metro Manila. The data will be coming from the registered patient's data in the system (see Figures 50 and 51).

ASTHMATIC CHILDREN HOME MONITORING SYSTEM

FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATIONS PREVALENCE REPORT

Asthma Prevalence Report

View generated reports and graphs on asthma prevalence on children

MEMBER LOGIN

Specify the date range of the report :

Username:

Password:

Go >>

FROM :	MONTH	YEAR
	February	2005
TO :	MONTH	YEAR
	March	2005

☒ By Gender
☒ By Age Group
☐ By Location [Metro Manila]

Generate Report

[HOME](#)

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Figure 50. Generate Asthma Prevalence Report, ASCHOMS



ASTHMATIC CHILDREN

HOME MONITORING SYSTEM



FAQ INFORMATION ACTIVITIES SERVICES ORGANIZATION PREVALENCE REPORT

Asthma Prevalence

February 2005 – March 2005

MEMBER LOGIN

Username:

 Password:

HOME

Type of Asthma vs Gender

-- There are 6 record(s) that matched --

	Intermittent	Mild Persistent	Moderate Persistent	Severe Persistent	TOTAL
Male	2	0	0	0	2
Female	1	1	2	0	4
TOTAL	3	1	2	0	6

Type of Asthma vs Age Group

-- There are 6 record(s) that matched --

	Intermittent	Mild Persistent	Moderate Persistent	Severe Persistent	TOTAL
0 - 2	2	0	0	0	2
3 - 5	0	0	0	0	0
6 - 8	0	1	0	0	1
9 - 11	1	0	0	0	1
12 - 14	0	0	1	0	1
15 - 17	0	0	1	0	1
TOTAL	3	1	2	0	6

Type of Asthma vs Gender and Age Group

-- There are 6 record(s) that matched --

	Intermittent		Mild Persistent		Moderate Persistent		Severe Persistent		TOTAL	
	M	F	M	F	M	F	M	F	M	F
0 - 2	1	1	0	0	0	0	0	0	1	1
3 - 5	0	0	0	0	0	0	0	0	0	0
6 - 8	0	0	0	1	0	0	0	0	0	1
9 - 11	1	0	0	0	0	0	0	0	1	0
12 - 14	0	0	0	0	0	1	0	0	0	1
15 - 17	0	0	0	0	0	1	0	0	0	1
TOTAL	2	1	0	1	0	2	0	0	2	4

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Figure 51. Asthma Prevalence Report, ASCHOMS

In Figure 52 shows the SMS notice that contains the login information of newly added pulmonary doctor. The password is auto-generated by the system and the doctor is the only one who knows the generated password.



Figure 52. SMS notice with Login Information, ASCHOMS

There are also SMS querying that can be done in the system. The patient can send his or her SVM record for the day through SMS. The data submitted will be processed and will undergo authentication. If the user is valid, the data will be added to the database and an online private message and SMS notice will be sent to the respective doctor (see Figure 53). The same method is used in sending doctor's non-availability, health assessment on patient's SVM record, and consultation fee.



Figure 53. Send and Receive SVM Record, ASCHOMS

VI. DISCUSSION

The Asthmatic Children Home Monitoring System (ASCHOMS) is a web-based application that allows asthma management at home. As a database system, it is capable of storing and retrieving patient's various asthma related medical information. With the interaction of parents or guardians of the asthmatic children and their respective pulmonary doctors over the internet, home monitoring is possible.

Home monitoring, also known as self-management, allows the patients to be supervised and managed in the premises of home. It relies on the responsiveness and discipline of the patients, since treatment may be done without the presence of the doctor, but with the doctor's guidelines. This management method increase the patient's self-effectiveness, give them more satisfaction and greater independence and responsibility [33]. Early detection of any abnormalities in a patient leads to lesser patient's sufferings and more efficient treatment. Economically, it will be less costly on the part of the patient since they can manage their disease well even without the need for doctor's consultation, and there will be lesser medications and hospitalizations because of the early detections of abnormalities. For the doctors, they can give more attention to their in-patients and they will be able to come up with more efficient treatment plans for their patients, from study of their patients' new experiences over time. On the other hand, home monitoring may also give some undesirable results. Since patients have the major responsibility on their disease management, it will be risky to allow every patient to practice self-treatment. Misjudgments and wrong decisions of the patients may lead to more complications of the disease, which in return implies higher medication cost. The doctors may be consumed in preparing every home monitored patient's self-treatment plans. Patient's lesser contact frequency with his or her doctor may result to lesser medical control of the disease [33].

Since ASCHOMS handles health, which requires important reminders on its management, the system is helpful in tracking those reminders automatically. It is capable of reminding the patients

of their next clinical follow-up and monthly membership fee through online private messaging and SMS. It is designed to support the business environment of the system. The doctors can manage their consultation fees through the Internet and SMS, while the patients can monitor their billings through online summary. It also allows the patients and doctors to access the system through SMS querying. The patients are allowed to submit symptoms and vital measurements (SVM) through SMS while the doctors can send their non-availability dates, health assessment on a specified SVM, and consultation fees to their respective patients. The SVMs of every patient is important in home monitoring. These will enable the patient, parents or guardians, and the pulmonary doctor detect if there are abnormalities in the patient that may lead to asthma exacerbation. The SVM trend can help the doctor in formulating more effective treatment for the particular patient. The proper self-treatment is found in the action plan of a patient, which serves as the guidelines in every possible condition of the patient. The action plan may vary from time to time, depending on the progress or regress of the patient's health. If the respective doctor of a patient is unavailable for certain days, a reliever doctor, who is also an active valid user of the system, will temporarily handle the patient.

Every activated user of the system is capable of having interaction with other members. Here the patient's parents may contribute personal experiences that may serve as a lesson to those who have not encountered the same experience. The doctors can inform everyone on an asthma related news and breakthroughs. Any technical reminders or announcements can be broadcast by the system administrator through the use of the bulletin board. The parents can inquire to his or her doctor through private messaging. These interactions among users can create a network of people that builds a support system for every asthmatic and may help in asthma related information dissemination.

The system can be accessed through the Internet and SMS, but it still guarantees the users of its security and confidentiality. The system requires user's unique username along with its corresponding password before gaining an access to the different functionalities, depending on his or

her user type – system administrator, doctor, or patient. To assure confidentiality of patient's medical records, a patient can access only his or her records; the doctors, only the records of his or her patients. Tampering of any record in any form is not possible in the system, since filtering mechanisms are used to protect the records of the patients such as, modifying an action plan or a clinical follow-up is only allowed to the record of same date with the current date, and appending is allowed, not modifying, on certain fields in the medical history.

At present, online information about asthma is focused on the other countries geographical and environmental settings. The asthma situation in the Philippines has not yet been given enough attention by the health sector of the society. If a Filipino asthma patient researched in the Internet about asthma, the information he or she gathered would not be beneficial to him or her since the setting was different. ASCHOMS targets the Filipino asthmatics. It assures them that the asthma related information in the system is useful to them. The system was conceptualized to help the health institutions and workers to disseminate different information about asthma, activities and services offered in various places, and present organizations that focus on helping asthma patients. Through these information, the public will be aware about asthma and the asthmatics will be more equipped in managing their illness.

Along with the dissemination of asthma related information, reports on asthma prevalence in the Philippines is also carried out. These generated reports are based on the enrolled asthma patients in the system all over Metro Manila. It can show the occurrence of asthma according to four categories, asthma type, age group, gender, and location. Through these, the public will be informed about the current status of asthma in Metro Manila. These can also aid the health workers to plan future asthma activities and programs, which can help the asthmatic children in coping with their respiratory disease and to work on studies and research, which can provide answers to the trends of asthma prevalence according to the said categories.

ASCHOMS may be beneficial in home monitoring of the asthma patients, but this also has its limitations. It does not have a thorough reminder system which is essential in self-management of asthma. The patient should be reminded of their medication, clinical follow-up, and the submission of daily SVM. Since there is no existing manual or computerized system in the Philippines, the concept of **ASCHOMS** is based on the systems overseas. There may be functionalities in the system that may not be suitable or appropriate for the Philippine setting as well as there may be extended functionalities that may be needed.

VII. CONCLUSION

The Asthmatic Children Home Monitoring System (ASCHOMS) is a web-based application that allows patient's parent or guardian to maintain his or her child's personal and account information. He or she can view the most recent action plan and clinical follow-up of the child. Viewing of graphical trend of vital measurements and doctor's clinic schedule are also allowed. The parents or guardians are encouraged to submit the symptoms and vital measurements of their child to inform the pulmonary doctors on the asthma condition of their child. In return, the doctor assesses the submitted record and informs the parents or guardians on how to manage the current condition of the children. The graphical trend of his or her patient's vital measurements is viewable for the monitoring of asthma condition. The doctor maintains the medical records of the patient – medical history, action plans, and clinical follow-ups. He or she is also allowed to maintain his or her personal and account information. The interaction among the users of the system can be done through online private messaging and SMS. The system administrator can manage the user accounts and the asthma related information, activities, services, and organizations. He or she is also responsible in the moderation of the bulletin board or the public messages. For all online users, asthma information, activities, services, and organizations are available viewing. They are also allowed to view the various generated reports about asthma prevalence in the Metro Manila.

An automated asthma home monitoring is beneficial to over six million Filipino children who are suffering from asthma. It helps them to have an early detection of asthma symptoms that can lead to lesser attacks and hospitalizations. With the current economic status of the Philippines, where the government could not provide quality health services, self-management can provide what the people deserve, which are proper health care and adequate health attention. This is a way to minimize medication cost but maximize health progress even without the physical supervision of the pulmonary doctors.

VIII. RECOMMENDATION

ASCHOMS handles the management of asthma of patients under 18 years old within Metro Manila. It would be more useful if it can handle asthmatic patients of all ages anywhere in the Philippines.

The non-availability of the pulmonary doctor is not stored in a separate table in the database. There is no reminder system for the non-availability of the pulmonary doctor. It would be helpful if the non-availability of a doctor would be sent through online private message or SMS to the patients on the day of the doctor's non-availability. The system administrator would not be responsible for the deactivation of the doctor the system will do it automatically.

Currently, the system allows querying through SMS. Widening the querying functionalities would allow the users to interact with each other and with the system without dependence on computer with internet connection.

For the future enhancements of ASCHOMS, I recommend the implementation of the system in the mobile phones through Wireless Application Protocol (WAP). It would be more beneficial to the users since even if they are away from their computers or have not internet connection they can still access the system from remote places.

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X. APPENDIX

- A. Format of the Pediatric Clinical History, Philippine General Hospital
- B. Sample Action Plan for Children Ages 5 and Older, Mayo Foundation for Medical Education and Research
- C. Source Code

FORMAT of the PEDIATRIC CLINICAL HISTORY

Name	Age/Sex	Service
Case Number		Consultants
Location		SRIC/RIC
Informant		SIC
Reliability		Date Admitted

CLINICAL HISTORY

(Date)

GENERAL DATA

- Include initials, age, sex, residence, number of times admitted, date of admission

CHIEF COMPLAINT

- Preferably using the patient or care-giver's words

HISTORY OF THE PRESENT ILLNESS

- Chronological
- Paragraph form
- Include onset and character of symptoms, consults and/or management done (with effect of management on patient's condition)
- Include pertinent negatives

REVIEW OF SYSTEMS

- Include symptoms pertaining to other systems not involved in the History of the Present Illness
- Purpose is to identify other possible concomitant conditions
- Do not include symptoms already mentioned in the History of the Present Illness

PAST MEDICAL HISTORY

- Other illnesses, operations/hospitalizations
- Include date/age of diagnosis, where diagnosed, medications taken
- If the condition is chronic, include present status of illness

FAMILY MEDICAL HISTORY

- Indicate whether a similar illness is found in the family
- Include heredofamilial or infectious conditions

BIRTH AND MATERNAL HISTORY

- Indicate age of gestation, manner of delivery, age and gravity/parity of mother, place of delivery, person who attended to the delivery, birth weight if known, condition of the patient at birth, complications noted (include ease of delivery)
- Indicate maternal illnesses and age of gestation at the time of illness, medications taken if any, prenatal check-ups, exposure to health hazards

PERSONAL-SOCIAL HISTORY

- Include profile of parents and siblings – age, occupation, present state of health (if dead, indicate age and cause of death)
- Include environmental conditions, community resources, social stressors in the family
- For adolescents, use HEADSSS format (Home, Education, Activities, Drugs, Sexuality, Suicide, Safety)

NUTRITIONAL HISTORY

- Indicate whether breast or bottle fed, duration
- If bottle fed, include reason for bottle feeding, type of milk formula with dilution, manner by which milk is prepared
- Include complementary feeding, age started, present diet

DEVELOPMENTAL HISTORY

- Indicate abilities according to the following domains: gross and fine motor, language, personal and social development, cognitive development
- Include age at which milestones were achieved
- If applicable, include age of school entry and present school performance

IMMUNIZATION HISTORY

- Include age given and the number of doses/boosters
- Include reactions/complications

OBSTETRIC/MENSTRUAL HISTORY (if applicable)

- include menarche, duration, amount or number of pads consumed, frequency

PHYSICAL EXAMINATION

GENERAL SURVEY

VITAL SIGNS AND ANTHROPOMETRICS

SKIN

HEENT with otoscopic examination

CHEST AND LUNGS

HEART

ABDOMEN

GENITALIA

EXTREMITIES

BACK

* Rectal exam if warranted

NEUROLOGIC EXAMINATION

Mental Status

Cranial Nerves include funduscopic examination

Motor examination

Sensory examination

Reflexes

Cerebellar signs

Meningeal signs

Autonomics

ASSESSMENT

PLAN (NURSING-DAYED)

Sample Action Plan for Children Ages 5 and Older

Doctor: _____ Date: _____ Consistent personal best peak flow: _____ Type of peak flow meter: _____

Green zone (Stable)	Yellow zone (Caution)	Red zone (Alert)
This is when you: - Have no symptoms - Can do daily activities without difficulty - Sleep undisturbed by your breathing Calculated peak flow: _____ to _____ (80 percent to 100 percent of personal best) ☐ Take daily long-term control medications: _____ puffs _____ times/day _____ puffs _____ times/day _____ puffs _____ times/day ☐ Take quick-relief medications: _____ puffs _____ times/day as needed. up to _____ times/day as needed. ☐ 15 to 30 minutes before exercise, take _____ puffs of _____ if needed ☐ Get annual flu vaccination.	Consider additional treatment if you experience: - Increase difficulty breathing - Sleep disturbed by asthma symptoms - Frequent, tight coughing - Wheezing - Difficulty doing daily activities - Other: _____ Calculated peak flow: _____ to _____ (50 percent to 80 percent of personal best) ☐ Take quick-relief medications: _____ puffs _____ times/day as needed. up to _____ times/day as needed. ☐ Increase _____ to _____ puffs _____ times/day. ☐ Continue: _____ ☐ Add: _____ If treatment doesn't provide relief within _____ hours or if symptoms suddenly worsen: ☐ Add prednisone _____ for _____ days. ☐ Call: _____	Severe signs and symptoms requiring immediate medical care: - Prolonged shortness of breath that medication relieves only briefly or doesn't relieve - Trouble waking or waking - Inability to do daily activities because of breathing trouble Calculated peak flow: _____ to _____ (Less than 50 percent of personal best) Seek emergency care or call 911. ☐ Call your doctor. ☐ Take quick-relief medications: _____ up to _____ times. ☐ Add or increase prednisone: _____ ☐ Continue other green and/or yellow zone medication(s): _____

Special instructions: _____

Triggers	Notes	Contacts
☐ Infections ☐ Exercise ☐ Household pets ☐ Pollen ☐ Dust/mold ☐ Mold ☐ Smoke/pollution ☐ Workplace ☐ Weather/temperature ☐ Household products	Primary doctor: _____ Phone: _____ Asthma specialist: _____ Phone: _____ Hospital phone: _____ Address: _____ Ambulance: _____ Taxi: _____ Pharmacy name: _____ Phone: _____	

Find the article at www.MayoClinic.com/nvoke.cfm?id=na000273

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SOURCE CODE

c:\win32console\mygnokii.exe

connectdb.php

```
<?php
// Connect to MySQL

$dbuser = "
$dbpassword = "
$dbhost = "localhost";

$db_connection = mysql_connect($dbhost, $dbuser, $dbpassword);

// Select the database

$dbname = 'aschoms';

mysql_select_db($dbname);

?>
```

send_mmbill.php

```
<?php
//-- sends auto-generated sms containing the monthly
membership fee --//

$mmf_amt = 300;
$send_msg = "Pay your Monthly Membership fee for the month of " .
date("F") . " for $mmf_amt.
$tlept = fopen("send_mmbill.txt", "w");
fwrite($tlept, $send_msg);
fclose($tlept);
include 'connectdb.php';
$query = "SELECT patient_patient_id, patient_pocellnum FROM patient
account WHERE patient_patient_id=account_username AND
account_status='A' AND account_usertype='1'";
$result = mysql_query($query);
echo "Sending monthly membership fee notices to the patients " . "\n";
while ($row = mysql_fetch_array($result)) {
    $celnum = "483" . $row[1];
    $patient = $row[0];
    $query1 = "INSERT INTO billing VALUES ('$patient', '$mmf_amt',
'MMP', now())";
    $result1 = mysql_query($query1);
    system("mygnokii -sendsms '$celnum' -unicode <
send_mmbill.txt");
    echo " - to Patient ID : " . $patient;
    echo "\n";
}
?>
```

send_next_followup.php

```
<?php
//-- sends auto-generated sms containing the next clinical
--//
//-- follow up to the patients who are scheduled for the week
--//

$ststart = mktime(0, 0, 0, date("m"), date("d"), date("Y"));
$send = mktime(0, 0, 0, date("m"), date("d") + 8, date("Y"));
echo "FROM : " . date("F d Y") . " TO : " . date("F d Y");
echo "\n\n";
include 'connectdb.php';
$query = "SELECT patient_patient_id, patient_pocellnum,
follow_up_next_follow FROM patient_follow_up, account WHERE
patient_patient_id=follow_up_patient_id AND
patient_patient_id=account_username AND account_status='A'";
$result = mysql_query($query);
echo "Sending next clinical follow-up notices to the patients " . "\n";
while ($row = mysql_fetch_array($result)) {
    $celnum = "483" . $row[1];
    $date = $row[2];
    $patient = $row[0];
    $mydate = explode(" ", $date);
    $mytimestamp = mktime(0, 0, 0, $mydate[1], $mydate[2], $mydate[0]);
    if ($mytimestamp >= $ststart && $mytimestamp < $send) {
        $send_msg = "You are scheduled to have a clinical follow-up on " .
$date;
        $tlept = fopen("send_next_followup.txt", "w");
        fwrite($tlept, $send_msg);
        fclose($tlept);
        system("mygnokii -sendsms '$celnum' -unicode <
send_next_followup.txt");
        echo " - to Patient ID : " . $patient;
        echo "\n";
    }
}
?>
```

receive_sms.php

```
<?php
include 'connectdb.php';
$smasms = 5;
for ($i = 1; $i <= $smasms; $i++) {
    system("mygnokii -getsms SM $i > $i.txt");
}
for ($i = 1; $i <= $smasms; $i++) {
    $file = $i . ".txt";
    echo $file . "\n";
    $fileptr = fopen($file, "r");
    $songmsg = fread($fileptr, 250);
    fclose($fileptr);
    $msg = str_replace("\n", "" . $songmsg);
    $sms = explode(" ", $msg);
    $sender = trim($sms[23]);
    $date = trim($sms[16]);
    $date = explode(" ", $date);
    $timestamp = mktime(0, 0, 0, $date[1], $date[2], $date[0]);
    $mydate = date("Y-m-d", $timestamp);
    $ctu = 0;
    $num = count($sms);
    $message = "";
    for ($j = 25; $j < $num; $j++) {
        $message = $sms[$j];
    }
    echo "MESSAGE : " . $message . "\n";
    $parsmsg = explode(" ", $message);
    $num = count($parsmsg);
    $category = trim($parsmsg[0]);
    if ($category == "SVM") {
        if ($num != 10) {
            $send_msg = "Follow format SVM-<p><pass><s1><s2><s3>";
            $tlept = fopen("sms.txt", "w");
            fwrite($tlept, $send_msg);
            fclose($tlept);
            system("mygnokii -sendsms '$sender' -unicode < invalid.txt");
        } else {
            $patient_id = trim($parsmsg[1]);
            $password = trim($parsmsg[2]);
            $password = md5($password);
            $query = "SELECT * FROM account WHERE username=$patient_id
AND password=$password AND status='A'";
            $result = mysql_query($query);
            $row = mysql_fetch_array($result);
            if ($row) {
                $query = "SELECT patient_id FROM symp_meas WHERE
patient_id=$patient_id AND sm_date=$mydate";
                $result = mysql_query($query);
                $row = mysql_fetch_array($result);
                if ($row) {
                    $symp = array("Coughing", "Shortness of Breath", "Wheezing",
"Tightness of Chest");
                    $svm = "";
                    $svm1 = "";
                    for ($k = 3; $k < 7; $k++) {
                        if ($parsmsg[$k] == "Y") {
                            $sm = $k - 3;
                            $svm = $symp[$sm][0];
                            $svm1 = " . $symp[$sm];
                            $svm1 = " . $symp[$sm];
                        }
                    }
                    $svm1 = trim($svm1);
                    $psh = trim($parsmsg[7]);
                    $svc = trim($parsmsg[8]);
                    $lev1 = trim($parsmsg[9]);
                    $query = "INSERT INTO symp_meas (patient_id, sm_date,
symptoms, psh, svc, lev1)";
                    $query = "VALUES ('$patient_id', '$mydate', '$svm1', '$psh',
'$svc', '$lev1')";
                    $result = mysql_query($query);
                    $svm = $psh . " . $svc . " . $lev1;
                    $svm = trim($svm);
                    $send_msg = $patient_id . " SVM for " . $mydate . " : " . $svm;
                    $tlept = fopen("send_sms.txt", "w");
                    fwrite($tlept, $send_msg);
                    fclose($tlept);
                    $query = "SELECT doctor_dcellnum, patient_doctor_id FROM
patient_doctor WHERE patient_id=$patient_id AND
patient_doctor_id=doctor_doctor_id";
                    $result = mysql_query($query);
                    $row = mysql_fetch_array($result);
                    $doctor_id = $row[1];
                    $query1 = "INSERT INTO message VALUES ('', '$patient_id',
now(), '3', 'SYMPTOMS: $svm1 PEF: $psh FVC: $svc FEV1: $lev1',
'Symptoms and Vital Measurements', '$doctor_id')";
                }
            }
        }
    }
}
```

```

$result1 = mysql_query($query1)
$scinum = $row[0]
$scenum = "463" $scenum
system("mygnokk -sendsms \"$scenum\" -unicode <
send_svm bf")
} else {
    $send_msg = "You already have an SVM record for today. This
will not be recorded.";
    $fileptr = fopen("invalid bf", "w");
    fwrite($fileptr, $send_msg);
    fclose($fileptr);
    system("mygnokk -sendsms \"$sender\" -unicode < invalid bf");
}
} else {
    $invalid_user ($sender);
}
}
} else if ($category == "HA") {
    if ($num == 8) {
        $send_msg = "Follow format HA: <d>C<D> <pass> <piO> <svmDate>
<comments>";
        $fileptr = fopen("invalid bf", "w");
        fwrite($fileptr, $send_msg);
        fclose($fileptr);
        system("mygnokk -sendsms \"$sender\" -unicode < invalid bf");
    }
    $doctor_id = trim ($parsemsg[1]);
    $password = trim ($parsemsg[2]);
    $password = md5($password);
    $query = "SELECT * FROM account WHERE username='<doctor_id>
AND password='<password>' AND status='A'";
    $result = mysql_query($query);
    $row = mysql_fetch_array($result);
    if ($row) {
        $doctor_id = trim ($parsemsg[3]);
        $query = "SELECT patient.patient_id, account.status FROM patient
account WHERE doctor_id='<doctor_id>' AND patient_id='<patient_id>' AND
account.username='<patient_id>'";
        $result = mysql_query($query);
        $row = mysql_fetch_array($result);
        if ($row[0] == " ") {
            $send_msg = "The patient [ " $patient_id " ] is not in your list";
            $fileptr = fopen("invalid bf", "w");
            fwrite($fileptr, $send_msg);
            fclose($fileptr);
            system("mygnokk -sendsms \"$sender\" -unicode < invalid bf");
        }
        $svmdate = trim ($parsemsg[4]) . " " . trim ($parsemsg[5]) . " " .
trim ($parsemsg[6]);
        $query = "SELECT patient_id, doc_notes FROM symp_moa
WHERE patient_id='<patient_id>' AND sm_date='<svmdate>'";
        $result = mysql_query($query);
        $row = mysql_fetch_array($result);
        if ($row) {
            $msg = explode("\n", $row[0]);
            $newmsg = explode("-", $msg[4]);
            $assess1 = trim ($newmsg[7]);
            $assess1 = " ";
            if ($row[1] == " ") {
                $assess1 = $doctor_id . " " . date("Y") . " " . date("m") . " " .
date("d") . " " . $assess1;
            } else {
                $assess1 = $doctor_id . " " . date("Y") . " " . date("m") . " " .
date("d") . " " . $assess1;
            }
            $query = "UPDATE symp_moa SET doc_notes='<assess1>'
WHERE patient_id='<patient_id>' AND sm_date='<svmdate>'";
            $result = mysql_query($query);
            $query = "INSERT INTO message VALUES ('', '<doctor_id>',
now(), '3', '<assess1>', 'Health Assessment for your SVM [ <svmdate> ]',
'<patient_id>')";
            $result = mysql_query($query);
            $months = array("Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul",
"Aug", "Sep", "Oct", "Nov", "Dec");
            $svmdate = explode("-", $svmdate);
            for ($i = 0; $i < 12; $i++) {
                if ($svmdate[1] == $i) {
                    $i = $i - 1;
                    $date = $months[$i];
                }
            }
            $send_msg = "Assessment on your " $date $svmdate[2] "
$assess1;
            $fileptr = fopen("send_assessment bf", "w");
            fwrite($fileptr, $send_msg);
            fclose($fileptr);
            $query = "SELECT poelium FROM patient WHERE
patient_id='<patient_id>'";
            $result = mysql_query($query);
            $row = mysql_fetch_array($result);
            $scinum = $row[0];
            $scenum = "463" $scenum;

```

```

        system("mygnokk -sendsms \"$scenum\" -long 160 -unicode <
send_assessment bf")
    } else {
        $send_msg = "The <svmdate> SVM record of <patient_id> does not
exist";
        $fileptr = fopen("invalid bf", "w");
        fwrite($fileptr, $send_msg);
        fclose($fileptr);
        system("mygnokk -sendsms \"$sender\" -unicode < invalid bf");
    }
} else {
    $invalid_user ($sender);
}
}
} else if ($category == "NA") {
    if ($num == 11) {
        $send_msg = "Follow format NA: <d>C<D> <pass> <from> <to>
<reliever> <reason>";
        $fileptr = fopen("invalid bf", "w");
        fwrite($fileptr, $send_msg);
        fclose($fileptr);
        system("mygnokk -sendsms \"$sender\" -unicode < invalid bf");
    }
    $doctor_id = trim ($parsemsg[1]);
    $password = trim ($parsemsg[2]);
    $password = md5($password);
    $query = "SELECT * FROM account WHERE username='<doctor_id>
AND password='<password>' AND status='A'";
    $result = mysql_query($query);
    $row = mysql_fetch_array($result);
    if ($row) {
        $lan = trim ($parsemsg[3]) . " " . trim ($parsemsg[4]) . " " . trim
($parsemsg[5]);
        $end = trim ($parsemsg[6]) . " " . trim ($parsemsg[7]) . " " . trim
($parsemsg[8]);
        $reliever = trim ($parsemsg[9]);
        $msg = explode("\n", $row[0]);
        $newmsg = explode("-", $msg[4]);
        $reason = trim ($newmsg[10]);
        $query = "SELECT patient.poelium FROM patient, account
WHERE patient.doctor_id='<doctor_id>' AND
patient.patient_id='<account.username>' AND account.status='A'";
        $result = mysql_query($query);
        $send_msg = "You'll be handled by " $reliever " from " $start
to " $end " MESSAGE " $reason;
        $fileptr = fopen("send_nonavail bf", "w");
        fwrite($fileptr, $send_msg);
        fclose($fileptr);
        while ($row = mysql_fetch_array($result)) {
            $mycenum = "463" $row[0];
            if ($mycenum == "463") {
                system("mygnokk -sendsms \"$mycenum\" -long 160 -unicode
< send_nonavail bf");
            }
            $query = "UPDATE doctor SET reliever='<reliever>' WHERE
doctor_id='<doctor_id>'";
            $result = mysql_query($query);
            $msg_body = "Please handle my patients FROM $start TO Send
MESSAGE $reason";
            $query1 = "INSERT INTO message VALUES ('', '<doctor_id>', now(),
'4', '$msg_body', 'Doctor is Out', 'Reliever')";
            $result1 = mysql_query($query1);
            $msg_body = "I'm not around FROM $start TO Send MESSAGE
$reason RELIEVER $reliever";
            $query2 = "SELECT username FROM account WHERE
username='<reliever>'";
            $result2 = mysql_query($query2);
            $row = mysql_fetch_array($result2);
            $sysad = $row[0];
            $query3 = "INSERT INTO message VALUES ('', '<doctor_id>', now(),
'4', '$msg_body', 'Doctor is Out', '$sysad')";
            $result3 = mysql_query($query3);
            $query4 = "SELECT patient.patient_id FROM patient, account
WHERE patient.doctor_id='<doctor_id>' AND
patient.patient_id='<account.username>' AND account.status='A'";
            $result4 = mysql_query($query4);
            $check = 0;
            if ($result4) {
                while ($row = mysql_fetch_array($result4)) {
                    $patient = $row[0];
                    $query5 = "INSERT INTO message VALUES ('', '<doctor_id>',
now(), '4', '$msg_body', 'Doctor is Out', '$patient')";
                    $result5 = mysql_query($query5);
                }
            }
        }
    }
} else if ($category == "CF") {
    if ($num == 5) {

```

```

Ssend_msg = "Follow format CF-<id>-<pass>-<pid>-<amount>";
$fdpt = fopen("invalid.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$sender\" --unicode < invalid.txt");
} else {
$doctor_id = trim($parsemsg[1]);
$password = trim($parsemsg[2]);
$password = md5($password);
$query = "SELECT * FROM account WHERE username=$doctor_id
AND password=$password AND status='A'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($row) {
$patient_id = trim($parsemsg[3]);
$query = "SELECT patient.patient_id, account.status FROM patient
account WHERE doctor_id=$doctor_id AND patient_id=$patient_id AND
account.username=$patient_id";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($row[0] != "" && $row[1] == 'A') {
$pluscf = trim($parsemsg[4]);
$query = "SELECT date_modified FROM billing WHERE
username=$patient_id AND amt_type='CF'";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
$mydate1 = explode("-", $row[0]);
$sddate = explode("-", $mydate);
if ($sddate[0] == $mydate1[0] && $sddate[1] == $mydate1[1] &&
$sddate[2] == $mydate1[2]) {
$check = 1;
}
}
if ($check == 0) {
$query = "INSERT INTO billing VALUES ($patient_id, $pluscf,
'CF', $mydate)";
$result = mysql_query($query);
$send_msg = "Consultation fee for " . $mydate . " is P " . $pluscf;
} else {
$query = "UPDATE billing SET amount=$pluscf WHERE
username=$patient_id AND date_modified=$mydate AND
amt_type='CF'";
$result = mysql_query($query);
$send_msg = "Consultation fee for " . $mydate . " has been
modified to P " . $pluscf;
}
$fdpt = fopen("send_cbill.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$sender\" --unicode <
send_cbill.txt");
} else if ($row[0] != "" && $row[1] == 'I') {
$send_msg = "The patient [" . $patient_id . "] is currently inactive
You can't add consultation fee.";
$fdpt = fopen("invalid.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$sender\" --unicode < invalid.txt");
} else {
$send_msg = "The patient [" . $patient_id . "] is not in your list.";
$fdpt = fopen("invalid.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$sender\" --unicode < invalid.txt");
}
} else {
$send_msg = "Sorry you entered a wrong keyword [" . $category . "].";
$fdpt = fopen("invalid.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$sender\" --unicode < invalid.txt");
}
system("mygnokii -deletesms SM $i $j");
echo "\n";
}
}

function invalid_user($mycnum) {
$send_msg = "Sorry you are not a valid user of ASCHOMS ";
$fdpt = fopen("invalid.txt", "w");
fwrite($fdpt, $send_msg);
fclose($fdpt);
system("mygnokii -sendsms \"$mycnum\" --unicode < invalid.txt");
}
}

```

Aschomsg (Main folder)

aschomsg.sql

DROP DATABASE IF EXISTS aschomsg;

CREATE DATABASE aschomsg;

USE aschomsg;

```

CREATE TABLE patient (
  patient_id varchar(10) NOT NULL,
  pat_fname varchar(50),
  pat_lname varchar(50),
  pat_mname varchar(50),
  sex char(1),
  cname varchar(100),
  relationship varchar(50),
  address varchar(100),
  doctor_id varchar(10),
  bday date default NULL,
  pcity varchar(20),
  age tinyint(2) UNSIGNED,
  enrol_date date,
  pcellnum varchar(10),
  padress varchar(200),
  temp_doctor varchar(10),
  transfer char(1),
  PRIMARY KEY (patient_id)
);

```

```

CREATE TABLE doctor (
  doctor_id varchar(10) NOT NULL,
  doc_fname varchar(50),
  doc_lname varchar(50),
  doc_mname varchar(50),
  docnum varchar(10),
  email varchar(50),
  org varchar(100),
  clinic varchar(100),
  ccity varchar(20),
  telnum varchar(7),
  reliever varchar(10),
  acc_date date,
  address varchar(200),
  ccity varchar(100),
  come text,
  PRIMARY KEY (doctor_id)
);

```

```

CREATE TABLE inactsvorg (
  iaso_num smallint(5) UNSIGNED NOT NULL,
  auto_increment,
  iaso_date date,
  iaso_title varchar(200),
  iaso_body text,
  iaso_type char(1),
  iaso_filename varchar(100) default NULL,
  iaso_filedtype varchar(50) default NULL,
  iaso_filesz int UNSIGNED default NULL,
  iaso_filecontent longblob default NULL,
  PRIMARY KEY (iaso_num)
);

```

```

CREATE TABLE account (
  username varchar(10) NOT NULL,
  password varchar(50),
  usertype tinyint(1),
  status char(1),
  PRIMARY KEY (username)
);

```

```

CREATE TABLE billing (
  username varchar(10) NOT NULL,
  amount smallint(5) UNSIGNED default 0,
  amt_type char(2) NOT NULL,
  date_modified date NOT NULL,
  PRIMARY KEY (username, date_modified, amt_type)
);

```

```

CREATE TABLE med_hist (
  patient_id varchar(10) NOT NULL,
  doctor_id varchar(10) NOT NULL,
  last_update date,
  best_peli tinyint(3) UNSIGNED default NULL,
  asthma_type varchar(20),
  family_hi varchar(200),
  doc_note text,
  asthma_date date default NULL,
  smokar char(1),
  pets char(1),
  birth_dai char(1),
  birth_wt float default NULL,

```



```

    birth_notes text,
    feedtype varchar(20),
    mldtype varchar(100),
    mlikprep varchar(100),
    duration tinyint(3) UNSIGNED default NULL,
    nut_notes text,
    m_age tinyint(2) UNSIGNED default NULL,
    m_gravity tinyint(2) UNSIGNED default NULL,
    m_i text,
    date_create date,
    vaccines text,
    illnesses text,
    hospitalize text,
    PRIMARY KEY (patient_id)
)

```

```

CREATE TABLE symp_meas (
    patient_id varchar(10) NOT NULL,
    sm_date date NOT NULL,
    symptoms varchar(200),
    pefr tinyint(3) UNSIGNED,
    hvc float,
    fev1 float,
    doc_notes text,
    PRIMARY KEY (patient_id, sm_date)
);

```

```

CREATE TABLE message (
    msg_num smintint(5) UNSIGNED NOT NULL auto_increment,
    username varchar(10),
    msg_date date,
    msg_type tinyint(1),
    msg_body text,
    msg_tme varchar(200),
    msg_to varchar(10),
    PRIMARY KEY (msg_num)
);

```

```

CREATE TABLE follow_up (
    patient_id varchar(10) NOT NULL,
    doctor_id varchar(10) NOT NULL,
    last_update date,
    temperature float default NULL,
    weight float default NULL,
    height float default NULL,
    last_attack date default NULL,
    daytime tinyint(2) UNSIGNED default 0,
    nocturnal tinyint(2) UNSIGNED default 0,
    taken_meds varchar(200),
    follow_notes text,
    pulse_rate tinyint(3) UNSIGNED default NULL,
    pefr tinyint(3) UNSIGNED default NULL,
    vc float default NULL,
    fev1 float default NULL,
    ev_visit tinyint(2) UNSIGNED default 0,
    resp_rate tinyint(3) UNSIGNED default NULL,
    main_mname varchar(200),
    main_dose varchar(100),
    main_freq varchar(200),
    mss_sd tinyint(2) UNSIGNED default 0,
    next_follow date,
    date_create date NOT NULL,
    PRIMARY KEY (patient_id, date_create)
);

```

```

CREATE TABLE action_plan (
    patient_id varchar(10) NOT NULL,
    exer_mname varchar(100),
    exer_puffs tinyint(2) UNSIGNED default NULL,
    seq_mname varchar(100),
    seq_puffs tinyint(2) UNSIGNED default NULL,
    seq_freq tinyint(2) UNSIGNED default NULL,
    cont_med varchar(100),
    add_med varchar(100),
    cqr_mname varchar(100),
    cqr_puffs tinyint(2) UNSIGNED default NULL,
    cqr_freq tinyint(2) UNSIGNED default NULL,
    numhours tinyint(2) UNSIGNED default NULL,
    inc_mname varchar(100),
    inc_puffs tinyint(2) UNSIGNED default NULL,
    inc_freq tinyint(2) UNSIGNED default NULL,
    pred varchar(100),
    numdays tinyint(2) UNSIGNED default NULL,
    addd_pred varchar(100),
    biggerm varchar(200),
    aqr_mname varchar(100),
    aqr_freq tinyint(2) UNSIGNED default NULL,
    sp_instruct text,
    doctor_id varchar(10),
    last_update date,
    doc_notes text,
    a_pefr1 tinyint(3) UNSIGNED default NULL,
    a_pefr2 tinyint(3) UNSIGNED default NULL,

```

```

    c_pefr2 tinyint(3) UNSIGNED default NULL,
    c_pefr1 tinyint(3) UNSIGNED default NULL,
    a_pefr1 tinyint(3) UNSIGNED default NULL,
    a_pefr2 tinyint(3) UNSIGNED default NULL,
    h_puffs1 tinyint(2) UNSIGNED default NULL,
    h_freq1 tinyint(2) UNSIGNED default NULL,
    h_mname1 varchar(100),
    h_mname2 varchar(100),
    h_freq2 tinyint(2) UNSIGNED default NULL,
    h_puffs2 tinyint(2) UNSIGNED default NULL,
    h_puffs3 tinyint(2) UNSIGNED default NULL,
    h_freq3 tinyint(2) UNSIGNED default NULL,
    h_mname3 varchar(100),
    date_create date NOT NULL,
    PRIMARY KEY (patient_id, date_create)
);

```

pagestyle css

```

body { padding: 0, margin: 0, font-family: Verdana,
    scrollbar-3dlight-color: #008000,
    scrollbar-arrow-color: #006400,
    scrollbar-base-color: #006400,
    scrollbar-darkshadow-color: #006400,
    scrollbar-face-color: #C0FF80,
    scrollbar-highlight-color: #008000,
    scrollbar-shadow-color: #00EE90 }

```

```

input { color: #000000, border: 2px solid #008000, background-color:
    #F8F7D6 }
eficolumn { width: 25%, background-color: #F8FFA7, vertical-align: top }
rightcolumn { width: 75%, background-color: #F8FFA7, vertical-align: top }
tfooter { font-family: Verdana; color: #FFD0C2; height: 20px; background-
    color: #FF70CC; text-align: center }
menusep { font-size: 14px; font-weight: bold; color: #018117, border-
    bottom: 1px solid #004A20, margin: 10 0 }

```

```

a:link { color: #007F3A; font-family: Verdana; font-weight: bold; text-
    decoration: underline }
a:visited { color: #007F3A; font-family: Verdana; font-weight: bold; text-
    decoration: underline }
a:hover { color: #FF00DB; font-family: Verdana; font-weight: bold; text-
    decoration: none }

```

```

input,button { background-color: #008000, color: #F8F7D6, font-
    family: Verdana, font-weight: bold }

```

```

div blockhead { background-color: #FF46C0, padding: 5px; font-
    family: Verdana, font-weight: bold, color: white; font-size: 13px;
    margin-left: 0;

```

```

    margin-right: 0; margin-top: 0; margin-bottom: 10 }
div blockbody { margin: 10 20 10 10, font: 500 13px verdana }
div mainline { font-size: 16pt; margin: 0 10; font-family: Verdana;
    color: #FFD0C2; text-decoration: none; font-weight: bold }
div text { font-family: Verdana, color: #000000, text-decoration: none; line-
    height: 150%; margin-left: 10; margin-right: 10; font-size: 11pt }
div warning { color: #005807, font-family: Verdana; font-size: 20px;
    text-decoration: none; line-height: 200%,
    text-indent: 0, font-style: italic; font-weight: bold;
    margin: 20 10 10 20 }

```

```

ul leftmenu { color: #99FF69, margin: 0, list-style-type: none }
ul leftmenu li { display: block; line-height: 1.5, color: #99FF69 }

```

```

td { font-size: 12px }
table form1 { background-color: #FFB66C }
table report { background-color: #006600 }
table plan1 { background-color: #039933 }
table plan2 { background-color: #FFBC79 }
table plan3 { background-color: #800000 }
table fix { float: left }
form td { background-color: #FFE3C5 }
report td { background-color: #E8F7E8 }
td graph { border: 1px solid #CC3300, background-color: #FF9900 }
plan1 td { background-color: #E8F7E8 }
plan2 td { background-color: #E8F7E8 }
plan3 td { background-color: #FF666F }

```

```

form { margin: 0, }

```

```

b required { font-family: ; font-size: 13pt; text-indent: 10; color: #006600,
    font-weight: bold }

```

```

p { color: #800000 }

```

```

clinic_checking.js

```

```

function checkClineSkel0 {
    var check = 0,
    for (var i = 3; i < 16; i += 2) {
        if (document.clinic.elements[i].value != "") {
            check = 1;
        }
    }
}

```

```

    }
    if (check == 1) {
        if (clinic.clinic.length == 0 && clinic.address.value.length != 0) {
            alert("Please enter the clinic name");
            return false;
        } else if (clinic.clinic.value.length != 0 && clinic.address.value.length == 0) {
            alert("Please enter the clinic address");
            return false;
        } else if (clinic.clinic.value.length == 0 && clinic.address.value.length == 0) {
            alert("Please enter the required fields");
            return false;
        }
    } else {
        if (clinic.clinic.value.length != 0 && clinic.address.value.length != 0) {
            alert("Please enter your clinic schedule");
            return false;
        } else if (clinic.clinic.value.length == 0 && clinic.address.value.length != 0) {
            alert("Please enter your clinic name and schedule");
            return false;
        } else if (clinic.clinic.value.length != 0 && clinic.address.value.length == 0) {
            alert("Please enter your clinic address and schedule");
            return false;
        } else {
            alert("Please enter your clinic information");
            return false;
        }
    }
    return true;
}

content_checking.js

function checkAccount() {
    if (account.account.value.length == 0) {
        alert("Please enter the username");
        return false;
    }
    return true;
}

function checkReliever() {
    if (temp.reliever.value.length == 0) {
        alert("Please enter the doctor ID of the reliever");
        return false;
    }
    return true;
}

function checkIasoNum() {
    if (iaso.iaso_num.value.length == 0) {
        alert("Please enter the IASO number");
        return false;
    }
    return true;
}

function checkIasoForm() {
    if (iaso.iaso_title.value.length == 0 || iaso.iaso_body.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    return true;
}

function checkPass() {
    if (password.old_pass.value.length == 0 || password.new_pass.value.length == 0 || password.conf_pass.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    if (password.new_pass.value != password.conf_pass.value) {
        alert("Please make sure that the new and confirmed passwords match");
        return false;
    }
    return true;
}

function checkBox() {
    var check = 0;
    for (var i = 2; i < document.box.elements.length-1; i++) {
        if (document.box.elements[i].checked == true)
            check = 1;
    }
    if (check == 0) {
        alert("Please check the box of the messages to be deleted");
        return false;
    }
}

```

```

    return true;
}

function checkMessageForm() {
    if (message.msg_title.value.length == 0 || message.msg_body.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    return true;
}

function checkDocForm() {
    if (doctor.name.value.length == 0 || doctor.name.value.length == 0 || doctor.mpinum.value.length == 0 || doctor.reliever.value.length == 0 || doctor.ccity.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    if (doctor.mpinum.value.length < 10) {
        alert("The mobile phone number is not valid");
        return false;
    }
    return true;
}

function checkLogin() {
    if (login.username.value.length == 0 || login.password.value.length == 0) {
        alert("Please enter your login information");
        return false;
    }
    return true;
}

function checkPatForm() {
    if (patient.name.value.length == 0 || patient.name.value.length == 0 || patient.sex.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    if (patient.age.value.length == 0 || patient.pcity.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    if (patient.username.value.length == 0 || patient.password.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    if (patient.mpinum.value.length != 0 && patient.mpinum.value.length < 10) {
        alert("The mobile phone number is not valid");
        return false;
    }
    return true;
}

function checkPatId() {
    if (box.patient_id.value.length == 0) {
        alert("Please enter the patient's ID");
        return false;
    }
    return true;
}

function checkPaidBox() {
    var check = 0;
    for (var i = 2; i < document.box.elements.length-1; i++) {
        if (document.box.elements[i].checked == true)
            check = 1;
    }
    if (check == 0) {
        alert("Please check the box of the patients' bills to be fully paid");
        return false;
    }
    return true;
}

function checkCBill() {
    if (bill.plusd.value.length == 0) {
        alert("Please enter the amount to be added");
        return false;
    }
    if (bill.plusd.value < 0) {
        alert("Please enter a valid amount");
        return false;
    }
    return true;
}

function checkMmBill() {
    if (bill.plusmmf.value.length == 0) {

```

```

    alert ("Please enter the amount to be added").
    return false;
}
if (b || plumval value < 0) {
    alert ("Please enter a valid amount").
    return false;
}
return true;
}

function checkMedHist() {
    if (medhist.asthma_type.value.length == 0 ||
        medhist.best_peli.value.length == 0) {
        alert ("Please enter the required fields");
        return false;
    }
    return true;
}

function checkComment() {
    if (comment.doc_notes.value.length == 0) {
        alert ("Please enter your comment");
        return false;
    }
    return true;
}

/*
 * DHTML date validation script. Courtesy of SmartWebby.com
 (http://www.smartwebby.com/dhtml)
 */
// Declaring valid date character, minimum year and maximum year
var dtCh = "-";
var minYear = 1980;
var maxYear = 2100;

function isInteger(s) {
    var i;
    for (i = 0; i < s.length; i++){
        // Check that current character is number.
        var c = s.charAt(i);
        if (((c < "0") || (c > "9"))) return false;
    }
    // All characters are numbers
    return true;
}

function stripCharsInBag(s, bag) {
    var i;
    var returnString = "";
    // Search through string's characters one by one
    // If character is not in bag, append to returnString
    for (i = 0; i < s.length; i++){
        var c = s.charAt(i);
        if (bag.indexOf(c) == -1) returnString += c;
    }
    return returnString;
}

function daysInFebruary (year) {
    // February has 28 days in any year evenly divisible by four,
    // EXCEPT for centennial years which are not also divisible by 400
    return ((year % 4 == 0) && (! (year % 100 == 0)) || (year % 400 == 0))
    ? 29 : 28;
}

function DaysArray(n) {
    for (var i = 1; i <= n; i++) {
        this[i] = 31;
        if (i==4 || i==6 || i==9 || i==11) {this[i] = 30;}
        if (i==2) {this[i] = 29;}
    }
    return this;
}

function isDate(dtStr) {
    var daysInMonth = DaysArray(12);
    var pos1 = dtStr.indexOf(dtCh);
    var pos2 = dtStr.indexOf(dtCh, pos1+1);
    var subMonth = dtStr.substring(pos1+1, pos2);
    var strDay = dtStr.substring(pos2+1);
    var strYear = dtStr.substring(0, pos1);
    strYr = strYear;
    if (strDay.charAt(0)=="0" && strDay.length>1)
        strDay = strDay.substring(1);
    if (strMonth.charAt(0)=="0" && strMonth.length>1)
        strMonth = strMonth.substring(1);
    for (var i = 1; i <= 3; i++) {
        if (strYr.charAt(0)=="0" && strYr.length>1)
            strYr = strYr.substring(1);
    }
    month = parseInt(strMonth);

```

```

    day = parseInt(strDay);
    year = parseInt(strYr);
    if (pos1==1 || pos2==1) {
        alert ("The date format should be YYYY-MM-DD");
        return false;
    }
    if (strYear.length != 4 || year==0 || year<minYear || year>maxYear) {
        alert ("Please enter a valid 4 digit year between "+minYear+"
        and "+maxYear);
        return false;
    }
    if (strMonth.length<0 || month<1 || month>12) {
        alert ("Please enter a valid month");
        return false;
    }
    if (strDay.length<0 || day<1 || day>31 || (month=="02" &&
    day>daysInFebruary(year)) || day> daysInMonth(month)) {
        alert ("Please enter a valid day");
        return false;
    }
    if (dtStr.indexOf(dtCh, pos2+1) != -1 || !isInteger(stripCharsInBag(dtStr,
    dtCh)) != false) {
        alert ("Please enter a valid date");
        return false;
    }
    return true;
}

function ValidateForm() {
    var dt=document.patient.bday;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    return true;
}

follow_up_checking.js

function checkFollowUp() {
    if (followup.peli.value.length == 0 || followup.next_follow.value.length == 0) {
        alert ("Please enter the required fields");
        return false;
    }
    return true;
}

/*
 * DHTML date validation script. Courtesy of SmartWebby.com
 (http://www.smartwebby.com/dhtml)
 */
// Declaring valid date character, minimum year and maximum year
var dtCh = "-";
var minYear = 1980;
var maxYear = 2100;

function isInteger(s) {
    var i;
    for (i = 0; i < s.length; i++){
        // Check that current character is number
        var c = s.charAt(i);
        if (((c < "0") || (c > "9"))) return false;
    }
    // All characters are numbers
    return true;
}

function stripCharsInBag(s, bag) {
    var i;
    var returnString = "";
    // Search through string's characters one by one
    // If character is not in bag, append to returnString
    for (i = 0; i < s.length; i++){
        var c = s.charAt(i);
        if (bag.indexOf(c) == -1) returnString += c;
    }
    return returnString;
}

function daysInFebruary (year) {
    // February has 28 days in any year evenly divisible by four,
    // EXCEPT for centennial years which are not also divisible by 400
    return ((year % 4 == 0) && (! (year % 100 == 0)) || (year % 400 == 0))
    ? 29 : 28;
}

function DaysArray(n) {
    for (var i = 1; i <= n; i++) {
        this[i] = 31;
    }
    return this;
}

```

```

    if ((i==4 || i==6 || i==8 || i==11) && this[i] == 30)
    if ((i==2) && this[i] == 29)
}
return this;
}

function isDate(dStr) {
    var daysInMonth = DaysArray(12);
    var pos1 = dStr.indexOf(dtCh);
    var pos2 = dStr.indexOf(dtCh, pos1+1);
    var strMonth = dStr.substring(pos1+1, pos2);
    var strDay = dStr.substring(pos2+1);
    var strYear = dStr.substring(0, pos1);
    strYr = strYear;
    if (strDay.charAt(0)=="0" && strDay.length>1)
    strDay = strDay.substring(1);
    if (strMonth.charAt(0)=="0" && strMonth.length>1)
    strMonth = strMonth.substring(1);
    for (var i = 1; i <= 3; i++) {
        if (strYr.charAt(0)=="0" && strYr.length>1)
    strYr = strYr.substring(1);
    }
    month = parseInt(strMonth);
    day = parseInt(strDay);
    year = parseInt(strYr);
    if (pos1==1 || pos2==1) {
        alert("The date format should be YYYY-MM-DD");
        return false;
    }
    if (strYear.length != 4 || year==0 || year<minYear || year>maxYear) {
        alert("Please enter a valid year");
        return false;
    }
    if (strMonth.length<0 || month<1 || month>12) {
        alert("Please enter a valid month");
        return false;
    }
    if (strDay.length<0 || day<1 || day>31 || (month=="02" &&
    day>daysInFebruary(year)) || day > daysInMonth(month)) {
        alert("Please enter a valid day");
        return false;
    }
    if (dStr.indexOf(dtCh, pos2+1)!=-1 || isInteger(stripCharsInBag(dStr
    dtCh)))!=false) {
        alert("Please enter a valid date");
        return false;
    }
    return true;
}

function Validate() {
    var dt = document.followup.last_atback;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    dt = document.followup.next_follow;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    return true;
}

medhist_checking.js

function checkMedHist() {
    if (medhist.asthma_type.value.length == 0 ||
    medhist.best_pefr.value.length == 0) {
        alert("Please enter the required fields");
        return false;
    }
    return true;
}

/*
 * DHTML date validation script. Courtesy of SmartWebby.com
 * (http://www.smartwebby.com/dhtml/)
 */
// Declaring valid date character, minimum year and maximum year

var dtCh = "-";
var minYear = 1980;
var maxYear = 2100;

function isInteger(s) {
    var i;
    for (i = 0; i < s.length; i++) {
        // Check that current character is number

```

```

        var c = s.charAt(i);
        if (((c < "0") || (c > "9"))) return false;
    }
    // All characters are numbers.
    return true;
}

function stripCharsInBag(s, bag) {
    var i;
    var returnString = "";
    // Search through string's characters one by one
    // If character is not in bag, append to returnString
    for (i = 0; i < s.length; i++) {
        var c = s.charAt(i);
        if (bag.indexOf(c) == -1) returnString += c;
    }
    return returnString;
}

function daysInFebruary(year) {
    // February has 29 days in any year evenly divisible by four
    // EXCEPT for centennial years which are not also divisible by 400
    return (((year % 4 == 0) && ((year % 100 != 0) || (year % 400 == 0)))
    ? 29 : 28);
}

function DaysArray(n) {
    for (var i = 1; i <= n; i++) {
        this[i] = 31;
        if (i==4 || i==6 || i==9 || i==11) this[i] = 30;
        if (i==2) this[i] = 28;
    }
    return this;
}

function isDate(dStr) {
    var daysInMonth = DaysArray(12);
    var pos1 = dStr.indexOf(dtCh);
    var pos2 = dStr.indexOf(dtCh, pos1+1);
    var strMonth = dStr.substring(pos1+1, pos2);
    var strDay = dStr.substring(pos2+1);
    var strYear = dStr.substring(0, pos1);
    strYr = strYear;
    if (strDay.charAt(0)=="0" && strDay.length>1)
    strDay = strDay.substring(1);
    if (strMonth.charAt(0)=="0" && strMonth.length>1)
    strMonth = strMonth.substring(1);
    for (var i = 1; i <= 3; i++) {
        if (strYr.charAt(0)=="0" && strYr.length>1)
    strYr = strYr.substring(1);
    }
    month = parseInt(strMonth);
    day = parseInt(strDay);
    year = parseInt(strYr);
    if (pos1==1 || pos2==1) {
        alert("The date format should be YYYY-MM-DD");
        return false;
    }
    if (strYear.length != 4 || year==0 || year<minYear || year>maxYear*
    and ">maxYear);
    return false;
    }
    if (strMonth.length<0 || month<1 || month>12) {
        alert("Please enter a valid month");
        return false;
    }
    if (strDay.length<0 || day<1 || day>31 || (month=="02" &&
    day>daysInFebruary(year)) || day > daysInMonth(month)) {
        alert("Please enter a valid day");
        return false;
    }
    if (dStr.indexOf(dtCh, pos2+1)!=-1 || isInteger(stripCharsInBag(dStr
    dtCh)))!=false) {
        alert("Please enter a valid date");
        return false;
    }
    return true;
}

function ValidateForm() {
    var dt=document.medhist.asthma_date;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    return true;
}

patient_checking.js

```

```

function checkGenInfo() {
    if (patient.age.value.length == 0 || patient.pcilty.value.length == 0 ||
        patient.mnum.value.length == 0) {
        alert ("Please enter the required fields");
        return false;
    }
    if (patient.mnum.value.length != 0 && patient.mnum.value.length < 10) {
        alert ("The mobile phone number is not valid");
        return false;
    }
    return true;
}

function checkPass() {
    if (password.old_pass.value.length == 0 ||
        password.new_pass.value.length == 0 || password.conf_pass.value.length
        == 0) {
        alert ("Please enter the required fields");
        return false;
    }
    if (password.new_pass.value != password.conf_pass.value) {
        alert ("Please make sure that the new and confirmed passwords
        match");
        return false;
    }
    return true;
}

function checkSympMeas() {
    var check = 0;
    for (var i = 0; i < document.symp_meas.elements.length-1; i++) {
        if (document.symp_meas.elements[i].checked == true) {
            check = 1;
        }
        if (symp_meas.pev.value.length != 0 ||
            symp_meas.fvc.value.length != 0 || symp_meas.fev1.value.length != 0) {
            check = 1;
        }
    }
    if (check == 0) {
        alert ("Please enter information");
        return false;
    }
    return true;
}

bulletin.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM account WHERE username=' $uname'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);

<div class = "blockhead">
<div class = "mainbody"> Bulletin Board </div>
</div>

<div class = "text"> Click the title to view the message </div>

<br>

<table width = "30%" border = "0" cellspacing = "1" cellpadding = "3">
<tr>
<td>
<form name = "box" method = "post" action =
?page=send_del_bulletn&uname=<?php print ($uname); ?>
<input class = "button" type = "submit" name = "send" value = "Post
Bulletin">
</td>
</tr>
</table>

<br>

<table class = "form" width = "70%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<?php
if ($row[user_type] == 3) {
    <td width = "10%"> <input class = "button" type = "submit" name =
"delete" value = "Delete" onClick = "return checkBox()"> </td>
<?php
}
    <td width = "20%"> <p><b> From </b>
<td> <p><b> Title </b>
<td width = "10%"> <p><b> Date </b>
</td>

```

```

<?php
$query = "SELECT * FROM message WHERE msg_type='2' ORDER BY
msg_date DESC";
$result = mysql_query ($query);
$check = 0;
$count = 0;
while ($myrow = mysql_fetch_array ($result)) {
    $msg_num = $myrow[msg_num];
    print ("<br>");
    if ($row[user_type] == 3) {
        print ("<td align = 'center'> <input class = 'input' type = 'checkbox'
name = 'del$count' value = '1'> </td>");
    }
    print ("<td align = 'center nowrap' %s </td>", $myrow[username]);
    print ("<td align = 'left nowrap'><a href =
?page=show_msg&uname=$uname&msg_num=$msg_num> %s
</a></td>", $myrow[msg_title]);
    print ("<td align = 'center nowrap' %s </td>", $myrow[msg_date]);
    $check = 1;
    $count++;
}
if ($check == 0) {
    if ($row[user_type] == 3) {
        print ("<td align = 'center'><b class = 'required'><p> - </p></td>");
        print ("<td align = 'center'><b class = 'required'><p> - No Messages -
</p></td>");
        print ("<td align = 'center'><b class = 'required'><p> - </p></td>");
        print ("</table>");
    } else {
        print ("</table>");
    }
    print ("<input type = 'hidden' name = 'count' value = '$count'></form>");
}

calendar.php

<table class = "for" width = "30%" border = "0" cellspacing = "0"
cellpadding = "0">
<tr>
<td>
<?php
$months = array ("January", "February", "March", "April", "May", "June",
"July", "August", "September", "October", "November", "December");
$month1 = date ("m");
$year1 = date ("Y");
$month2 = date ("m")+1;
if ($month2 == 13) {
    $month2 = 1;
    $year2 = date ("Y")+1;
} else {
    $year2 = date ("Y");
}
$timestamp = mktime (0, 0, 0, $month1, 1, $year1);
for ($i = 0; $i < 12; $i++) {
    if ($month1 == $i+1) {
        $monthname = $months[$i];
    }
}

<table class = "report" width = "100%" border = "0" cellpadding = "1"
cellspacing = "1">
<tr>
<td colspan = "7" align = "center"> <font color = "darkgreen" size =
"4"><b><?php print ($monthname $year1); ?> </b></font></td>
</tr>
<tr>
<td align = "center"><font color = "maroon"><b> Su </b></font></td>
<td align = "center"><font color = "maroon"><b> M </b></font></td>
<td align = "center"><font color = "maroon"><b> Tu </b></font></td>
<td align = "center"><font color = "maroon"><b> W </b></font></td>
<td align = "center"><font color = "maroon"><b> Th </b></font></td>
<td align = "center"><font color = "maroon"><b> F </b></font></td>
<td align = "center"><font color = "maroon"><b> Sa </b></font></td>
</tr>

<?php
$monthstart = date ("W", $timestamp);
if ($monthstart == 0) {
    $monthstart = 7;
}
$weekday = date ("d", mktime (0, 0, 0, $month1+1, 0, $year1));
$startdate = $monthstart;
for ($i = 1; $i <= 6; $i++) {
    print ("<br>");
    for ($j = 1; $j <= 7; $j++) {
        $startdate++;
        if (($startdate <= 0) || ($startdate > $weekday)) {
            print ("<td align = 'center'> </td>");
        }
    }
}

```

```

    } else if (($startdate >= 1) || ($startdate <= $lastday)) {
        if ($startdate == date ("d")) {
            print ("td align = 'center'<br> font color = 'red'<br> <b><em> $startdate
</em></b></td>");
        } else {
            print ("td align = 'center'<br> <b> $startdate </b></td>");
        }
    }
    print ("</tr>");
}
print ("</td></tr>");
$timestamp = mktime (0, 0, 0, $month2, 1, $year2);
for ($i = 0, $j = 12, $k++) {
    if ($month2 == $i+1) {
        $monthname = $months[$i];
    }
}
}

<br>
<td colspan = "7" align = "center"<br> font color = "darkgreen" size =
"4"><br><?php print (" $monthname $year2"); ></td></tr></td>
<br>
<td align = "center"<br> font color = "maroon"><b> Su </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> M </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> Tu </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> W </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> Th </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> F </b></td></tr></td>
<td align = "center"<br> font color = "maroon"><b> Sa </b></td></tr></td>
</tr>

<?php
$monthstart = date ("w", $timestamp);
if ($monthstart == 0) {
    $monthstart = 7;
}
$lastday = date ("d", mktime (0, 0, 0, $month2+1, 0, $year2));
$startdate = $monthstart;
for ($i = 1, $j = 8, $k++) {
    print ("<br>");
    for ($l = 1, $m = 7, $n++) {
        $startdate++;
        if (($startdate <= 0) || ($startdate > $lastday)) {
            print ("<td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&");
        } else if (($startdate >= 1) || ($startdate <= $lastday)) {
            print ("td align = 'center'<br> <b> $startdate </b></td>");
        }
    }
    print ("</tr>");
}
print ("</table></td></tr></table>");
}

change_pass.php

<div class = "blockhead">
<div class = "maintitle"> Change Password </div>
</div>

<div class = "text" align = "center"> Enter your current password and your
new password </div><br>

<form name = "password" method = "post" action =
"?page=update_pass&uname=?php print (" $uname"); >" onSubmIt =
"return checkPass()">
<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b><br> Old Password </b></td>
<td><input class = "input type = "password" name = "old_pass"
maxlength = "10"><b class = "required"> * </b></td>
</tr>
<tr>
<td><b><br> New Password </b></td>
<td><input class = "input type = "password" name = "new_pass"
maxlength = "10"><b class = "required"> * </b></td>
</tr>
<tr>
<td><b><br> Confirm New Password </b></td>
<td><input class = "input type = "password" name = "conf_pass"
maxlength = "10"><b class = "required"> * </b></td>
</tr>
<tr>
<td><b></td>
<td><input class = "button" type = "submit" name = "submit" value =
"Submit"></td>
</tr>
</table>
</form>

```

```

doctor.php

<?php
if ($globalname == "") {
    print ("<html><head><meta http-equiv='refresh'>
Content='0,URL=index.php'></head></html>");
}
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
exit;
}
}

<html>

<head>
<title> [2005] varizon aschorns </title>
<meta http-equiv = "Content-Type" content = "text/html; charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = "pagestyle.css">
<script language = "JavaScript" src = "content_checking.js"></script>
</head>

<body bgcolor = "FFB6E7">
<br>
<table width = "80%" border = "0" cellspacing = "0" cellpadding = "0"
align = "center" bgcolor = "F8FFA7">
<tr>
<td colspan = "2">
<img name = "banner" src = "images/banner.gif" usemap =
"#bannerMap" border = "0" width = "100%"></img>
</td>
</tr>
<tr>
<td class = "leftcolumn"><?php include ("doctors/docleft.php"); >
</td>
<td class = "rightcolumn"><?php include ("doctors/docright.php"); >
</td>
</tr>
<tr>
<td colspan = "2" align = "center" class = "footer">
<b> Cheza Marie R. Vianzon Special Problem Copyright 2005
University of the Philippines Manila </b>
</td>
</tr>
</table>

<map name = "bannerMap">
<area shape = "rect" coords = "65, 120, 85, 140" href =
"?page=faq&uname=?php print (" $uname"); >">
<area shape = "rect" coords = "120, 120, 220, 140" href =
"?page=info&uname=?php print (" $uname"); >">
<area shape = "rect" coords = "250, 120, 320, 140" href =
"?page=act&uname=?php print (" $uname"); >">
<area shape = "rect" coords = "360, 120, 425, 140" href =
"?page=ser&uname=?php print (" $uname"); >">
<area shape = "rect" coords = "460, 120, 570, 140" href =
"?page=org&uname=?php print (" $uname"); >">
<area shape = "rect" coords = "605, 120, 750, 140" href =
"?page=report&uname=?php print (" $uname"); >">
</map>
</body>

</html>

connectdb.php

<?php

// Connect to MySQL

$dbuser = " ";
$dbpasswd = " ";
$dbhost = "localhost";

$db_connection = mysql_connect ($dbhost, $dbuser, $dbpasswd);

// Select the database

$dbname = "aschorns";

mysql_select_db ($dbname);

}

index.php

<?php
setcookie ("globalname", "");
}

<html>

```

```

<head>
<title> [2005] wanzen aschorn </title>
<meta http-equiv = "Content-Type" content = "text/html charset = no-
8859-1">
<link rel = "stylesheet" type = "text/css" href = "pagestyle.css">
<script language = "JavaScript" src = "content_checking.js"></script>
</head>

<body bgcolor = "FFB9E7">
<br>
<table width = "80%" border = "0" cellspacing = "0" cellpadding = "0"
align = "center" bgcolor = "FFBFA7">
<tr>
<td colspan = "2">
<img name = "banner" src = "images/banner.gif" usemap =
"bannerMap" border = "0" width = "100%"></img>
</td>
</tr>
<tr>
<td width = "22%" valign = "top" align = "center"><?php include
(leftcolumn.php)> </td>
<td valign = "top"><?php include (rightcolumn.php)> </td>
</tr>
<tr>
<td colspan = "2" align = "center" class = "footer">
<b> Cheza Marie R. Wanzen Special Problem Copyright 2005
University of the Philippines Manila </b>
</td>
</tr>
</table>

<map name = "bannerMap">
<area shape = "rect" coords = "85, 120, 95, 140" href = "page=baq">
<area shape = "rect" coords = "120, 120, 220, 140" href =
"page=info">
<area shape = "rect" coords = "245, 120, 320, 140" href =
"page=act">
<area shape = "rect" coords = "355, 120, 420, 140" href =
"page=sev">
<area shape = "rect" coords = "455, 120, 580, 140" href =
"page=org">
<area shape = "rect" coords = "600, 120, 740, 140" href =
"page=report">
</map>
</body>
</html>

leftcolumn.php

<form name = "login" action = "user.php" method = "post">

<table width = "100%" border = "0" align = "center" background =
"images/login.gif" valign = "top">
<?php
for ($i = 0, $j < 9; $i++) {
print ("<tr><td height = '15'> </td></tr>").
}
?>
<tr>
<td align = "center"><input class = "input" type = "text" name =
"username" maxlength = "10" size = "11"> </td>
</tr>
<?php
for ($i = 0, $j < 2; $j++) {
print ("<tr><td height = '10'> </td></tr>").
}
?>
<tr>
<td align = "center"><input class = "input" type = "password" name =
"password" maxlength = "10" size = "11"> </td>
</tr>
<tr>
<td align = "center"><input class = "button" type = "submit" name =
"submit" value = "Go" >> onClick = "return checklogin()"> </td>
</tr>
<?php
for ($i = 0, $j < 4; $j++) {
print ("<tr><td height = '15'> </td></tr>").
}
?>
</table>
</form>

<br><br>

<a href = "index.php" align = "center"><img src = "images/home.gif"
border = "0"></a></br>

logout.php

<?php
setcookie ("globalname", "");

```

```

print ("<html><head><meta http-equiv='refresh'
Content='0 URL=index.php'></head></html>").
?>

```

patient.php

```

<?php
if ($globalname == ""){
print ("<html><head><meta http-equiv='refresh'
Content='0 URL=index.php'></head></html>").
?>
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
exit;
}
?>

<html>

<head>
<title> [2005] wanzen aschorn </title>
<meta http-equiv = "Content-Type" content = "text/html, charset = so-
8859-1">
<link rel = "stylesheet" type = "text/css" href = "pagestyle.css">
<script language = "JavaScript" src = "patient_checking.js"></script>
</head>

<body bgcolor = "FFB9E7">
<br>
<table width = "80%" border = "0" cellspacing = "0" cellpadding = "0"
align = "center" bgcolor = "FFBFA7">
<tr>
<td colspan = "2">
<img name = "banner" src = "images/banner.gif" usemap =
"bannerMap" border = "0"></img>
</td>
</tr>
<tr>
<td class = "leftcolumn"><?php include (patients/patientleft.php)> </td>
<td class = "rightcolumn"><?php include (patients/patientright.php)> </td>
</tr>
<tr>
<td colspan = "2" align = "center" class = "footer">
<b> Cheza Marie R. Wanzen Special Problem Copyright 2005
University of the Philippines Manila </b>
</td>
</tr>
</table>

<map name = "bannerMap">
<area shape = "rect" coords = "85, 120, 95, 140" href =
"page=baq&uname=<?php print ($uname)>">
<area shape = "rect" coords = "120, 120, 220, 140" href =
"page=info&uname=<?php print ($uname)>">
<area shape = "rect" coords = "250, 120, 320, 140" href =
"page=act&uname=<?php print ($uname)>">
<area shape = "rect" coords = "350, 120, 425, 140" href =
"page=sev&uname=<?php print ($uname)>">
<area shape = "rect" coords = "460, 120, 570, 140" href =
"page=org&uname=<?php print ($uname)>">
<area shape = "rect" coords = "605, 120, 750, 140" href =
"page=report&uname=<?php print ($uname)>">
</map>
</body>
</html>

priv_msg.php

<div class = "blockhead">
<div class = "maintitle"> Private Messages </div>
</div>

<div class = "text"> Click the tble to view the message <br> Check the box
to delete a message </div>

<br>

<table width = "30%" border = "0" cellspacing = "1" cellpadding = "3">
<tr>
<td>
<form name = "box" method = "post" action =
"page=send_del_msg&uname=<?php print ($uname)>">
<input class = "button" type = "submit" name = "send" value = "Send
Message">
</td>
</tr>
</table>

<br>

```

```

<table class = "form" width = "70%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "10%"> <input class = "button" type = "submit" name =
"delete" value = "Delete" onClick = "return checkBox()"> </td>
<td width = "20%"> <p> <b> From </b> </td>
<td> <p> <b> Title </b> </td>
<td width = "10%"> <p> <b> Date </b> </td>
</tr>

<?php
include 'connectdb.php';
$query = "SELECT * FROM message WHERE msg_to='\$uname' AND
(msg_type='1' OR msg_type='3' OR msg_type='4') ORDER BY msg_date
DESC";
$result = mysql_query($query);
\$check = 0;
\$count = 0;
while (\$row = mysql_fetch_array(\$result)) {
\$msg_num = \$row['msg_num'];
print ("<tr>");
print ("<td align = 'center'> <input class = 'checkbox' type = 'checkbox' name =
'del[\$count] value = '1'> </td>");
print ("<td align = 'center' nowrap> %s </td>"; \$row['username']);
print ("<td align = 'left' nowrap> <a href =
'?page=show_msg&uname=\$uname&msg_num=\$msg_num'> %s
</a> </td>"; \$row['msg_title']);
print ("<td align = 'center' nowrap> %s </td>"; \$row['msg_date']);
print ("</tr>");
\$check = 1;
\$count++;
}
if (\$check == 0) {
print ("<tr> </tr>");
print ("<td align = 'center'> <b class = 'required'> <p -- </p> </b> </td>");
print ("<td align = 'center'> <b class = 'required'> <p -- No Messages --
</p> </b> </td>");
print ("<td align = 'center'> <b class = 'required'> <p -- </p> </b> </td>");
} else {
print ("<table> <br> <br>");
}
print ("<input type = 'hidden' name = 'count' value = '\$count'> </form>");
?>

reply_msg.php

<div class = "blockhead">
<div class = "mantle"> Reply to the Message </div>
</div> <br>

<form name = "message" method = "post" action =
"?page=send_msg&uname=<?php print ("\$uname"); ?>" onsubmit =
"return checkMessageForm()">
<table class = "form" width = "50%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td> <b> To </b> </td>
<td> <?php print ("<b> \$msg_to </b>"); ?> </td>
</tr>
<tr>
<td> <b> From </b> </td>
<td> <?php print ("<b> \$uname </b>"); ?> </td>
</tr>
<tr>
<td> <?php
if (\$reply) {
?>
<td> <b> Subject </b> </td>
<td> <input class = "input" name = "msg_title" type = "text" size = "50"
maxlength = "200" value = "Re: <?php print ("\$msg_title"); ?>" <b class =
"required"> </b> </td>
<td> <?php
print ("<input name = 'msg_type' type = 'hidden' value = '1'>");
}
if (\$assess) {
?>
<td> <b> Subject </b> </td>
<td> <input name = "msg_title" type = "hidden" value = "Health
Assessment for your SVM [<?php print ("\$msg_date"); ?>]" <p> <b>
Health Assessment for your SVM [<?php print ("\$msg_date"); ?>]
</b> </td>
<td> <?php
print ("<input name = 'msg_type' type = 'hidden' value = '3'>");
print ("<input name = 'msg_date' type = 'hidden' value =
'\$msg_date'>");
?>
</td>
</tr>
<tr>
<td rowspan = "2"> <b> Original Message </b> </td>
<td> <?php print ("<b> \$msg_to wrote </b>"); ?> </td>
</tr>

```

```

<tr>
<td> <?php print ("<p> <b> \$msg_body </b>"); ?> </td>
</tr>
<tr>
<td> <?php
if (\$reply) {
?>
<td> <b> Your Message </b> </td>
<td> <textarea class = "input" name = "msg_body" cols = "40" rows =
"10"> </td>
<td> <b class = "required"> </b> </td>
<td> <?php
}
if (\$assess) {
?>
<td> <b> Your Assessment </b> </td>
<td> <textarea class = "input" name = "msg_body" cols = "40" rows =
"10"> </td>
<td> <b class = "required"> </b> </td>
<td> <?php
}
?>
</td>
</tr>
<tr>
<td> <b> </td>
<td> <input class = "button" type = "submit" name = "submit" value =
"Send" /> </td>
</tr>
</table>
<input type = "hidden" name = "msg_to" value = "<?php print ("\$msg_to");
?>">
</form>

<br> <br> <a href = "?page=prv_msg&uname=<?php print ("\$uname"); ?>">
Back </a> <br> <br>

right_column.php

<?php
if (!\$submit) {
switch (\$page) {
case 'inactive':
print ("<div class = 'blockhead'> <div class = 'mantle'> Login
Information </div> </div>");
print ("<div class = 'warning'> You are currently an inactive member
<br> Please contact the system administrator for details </div>");
break;
case 'invalid':
print ("<div class = 'blockhead'> <div class = 'mantle'> Login
Information </div> </div>");
print ("<div class = 'warning'> Your login information is invalid <br>
Please contact the system administrator for confirmation </div>");
break;
case 'faq':
include 'iso/faq.php';
break;
case 'info':
include 'iso/info.php';
break;
case 'act':
include 'iso/activities.php';
break;
case 'serv':
include 'iso/services.php';
break;
case 'org':
include 'iso/orgs.php';
break;
case 'load_file':
include 'iso/load_file.php';
break;
case 'report':
include 'reports/report.php';
break;
case 'generate':
include 'reports/generate.php';
break;
default:
print ("<img src = 'images/welcome.gif' width = '100%'>");
break;
}
}
?>

send_dei_bulletin.php

<?php
if (\$send) {
?>

<div class = "blockhead">
<div class = "mantle"> Post Bulletin </div>
</div>

```



```

<form name="message" method="post" action=
"?page=send_msg&uname=<?php print('$uname'); ?>" onSubmit=
"return checkMessageForm()";
<table class="form" width="100%" border="1" cellpadding="1"
cellpadding="3" align="center">
<tr>
<td><b> From </b></td>
<td><?php print("<b> $uname </b>"); ?> </td>
</tr>
<tr>
<td><b> Subject </b></td>
<td><input class="input" name="msg_title" type="text" size="50"
maxlength="200" <b class="required"> * </b></td>
</tr>
<tr>
<td><b> Message </b></td>
<td><textarea class="input" name="msg_body" cols="50" rows=
"10" <b class="required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class="button" type="submit" name="submit" value=
"Send" /></td>
</tr>
</table>
<input type="hidden" name="msg_type" value="1">
</form>

<p><b class="required"> * </b> -- required field </p>

<br><a href="?page=bulletin&uname=<?php print('$uname'); ?>" Back
</a><br><br>

<?php
}

if ($delete) {
include 'connectdb.php';
$query = "SELECT * FROM message WHERE msg_type='2' ORDER BY
msg_date DESC";
$result = mysql_query($query);
$rows = 0;
while ($row = mysql_fetch_array($result)) {
if ($del[$row] == 1) {
$del_msg[$row] = $row[msg_num];
} else {
$del_msg[$row] = 0;
}
}
$rows++;
for ($i = 0; $i < $count; $i++) {
if ($del_msg[$i] != 0) {
$query = "DELETE FROM message WHERE
msg_num='$del_msg[$i]'";
$result = mysql_query($query);
}
}
if ($result) {
if ($check == 0) {
print("<div class='blockhead'><div class='mainbtile'> Delete
Message </div></div>");
print("<div class='warning'> The message has been deleted </div>");
} else {
print("<div class='blockhead'><div class='mainbtile'> Delete
Messages </div></div>");
print("<div class='warning'> The messages have been deleted
</div>");
print("<a href=?page=bulletin&uname=$uname> Back </a>");
}
}
$query = "ALTER TABLE message AUTO_INCREMENT=1";
$result = mysql_query($query);
}

}

send_del_msg.php

<?php
if ($send) {
<div class="blockhead">
<div class="mainbtile"> Send Message </div>
</div>

<form name="message" method="post" action=
"?page=send_msg&uname=<?php print('$uname'); ?>" onSubmit=
"return checkMessageForm()";
<table class="form" width="100%" border="1" cellpadding="1"
cellpadding="3" align="center">
<tr>
<td><b> To </b></td>
<td><input class="input" type="text" name="msg_to" maxlength=
"10" <b class="required"> * </b></td>

```

```

</tr>
<tr>
<td><b> From </b></td>
<td><?php print("<b> $uname </b>"); ?> </td>
</tr>
<tr>
<td><b> Subject </b></td>
<td><input class="input" name="msg_title" type="text" size="50"
maxlength="200" <b class="required"> * </b></td>
</tr>
<tr>
<td><b> Message </b></td>
<td><textarea class="input" name="msg_body" cols="50" rows=
"10" <b class="required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class="button" type="submit" name="submit" value=
"Send" /></td>
</tr>
</table>
<input type="hidden" name="msg_type" value="1">
</form>

<p><b class="required"> * </b> -- required field </p>

<br><a href="?page=priv_msg&uname=<?php print('$uname'); ?>" Back
</a><br><br>

<?php
}

if ($delete) {
include 'connectdb.php';
$query = "SELECT * FROM message WHERE msg_to='$uname' AND
(msg_type='1' OR msg_type='3' OR msg_type='4') ORDER BY msg_date
DESC";
$result = mysql_query($query);
$rows = 0;
while ($row = mysql_fetch_array($result)) {
if ($del[$row] == 1) {
$del_msg[$row] = $row[msg_num];
} else {
$del_msg[$row] = 0;
}
}
$rows++;
for ($i = 0; $i < $count; $i++) {
if ($del_msg[$i] != 0) {
$query = "DELETE FROM message WHERE
msg_num='$del_msg[$i]'";
$result = mysql_query($query);
}
}
if ($result) {
if ($check == 0) {
print("<div class='blockhead'><div class='mainbtile'> Delete
Message </div></div>");
print("<div class='warning'> The message has been deleted </div>");
} else {
print("<div class='blockhead'><div class='mainbtile'> Delete
Messages </div></div>");
print("<div class='warning'> The messages have been deleted
</div>");
print("<a href=?page=priv_msg&uname=$uname> Back
</a><br><br>");
}
}
$query = "ALTER TABLE message AUTO_INCREMENT=1";
$result = mysql_query($query);
}

}

send_msg.php

<?php
include 'connectdb.php';
$query = "SELECT msg_num FROM message WHERE
msg_num='$msg_num'";
$result = mysql_query($query);
$rows = mysql_fetch_array($result);
if ($myrow[0] == "") {
if ($submit == "Send") {
$query = "SELECT username FROM account WHERE
username='$msg_to'";
$result = mysql_query($query);
$rows = mysql_fetch_array($result);
$check = 0;
if ($row[username] != "") {
$query = "INSERT INTO message VALUES ('', '$uname', now(),
'$msg_type', '$msg_body', '$msg_title', '$msg_to')";
$result = mysql_query($query);
$message = $msg_body;
}
}
}

```



```

if ($row['msg_to'] != '') {
    print ("<br><br><a href=?page=priv_msg&uname=$uname> Back
    </a><br><br>");
} else {
    print ("<br><br><a href=?page=bulletin&uname=$uname> Back
    </a><br><br>");
}
}
}

mysad.php

<?php
if ($globalname == '') {
    print ("<html><head><meta http-equiv='refresh'
    Content='0;URL=index.php?></head></html>");
}
<script language="JavaScript"> alert ("You are not logged in"); </script>
<?php
    exit;
}
}

<html>

<head>
<title> [2005] wanron aschom's </title>
<meta http-equiv="Content-Type" content="text/html; charset= iso-
8859-1">
<link rel="stylesheet" type="text/css" href="pagestyle.css">
<script language="JavaScript" src="content_checking.js"></script>
</head>

<body bgcolor="FFB9E7">
<br>
<table width="80%" border="1" cellspacing="0" cellpadding="0"
align="center" bgcolor="FFBFA7">
<tr>
<td colspan="2">
</img>
</td>
<tr>
<td colspan="2">
<td class="leftcolumn"><?php include {sysad/sysleft.php}> </td>
<td class="rightcolumn"><?php include {sysad/sysright.php}> </td>
</tr>
</tr>
<tr>
<td colspan="2">
<td colspan="2" align="center" class="footer">
<b> Cheza Marie R. Vanzon Special Problem Copyright 2005
University of the Philippines Manila </b>
</td>
</tr>
</tr>
</table>

<map name="BannerMap">
<area shape="rect" coords="85, 120, 95, 140" href=
"?page=faq&uname=<?php print ($uname); ?>">
<area shape="rect" coords="120, 120, 220, 140" href=
"?page=info&uname=<?php print ($uname); ?>">
<area shape="rect" coords="250, 120, 320, 140" href=
"?page=act&uname=<?php print ($uname); ?>">
<area shape="rect" coords="360, 120, 425, 140" href=
"?page=serv&uname=<?php print ($uname); ?>">
<area shape="rect" coords="460, 120, 570, 140" href=
"?page=org&uname=<?php print ($uname); ?>">
<area shape="rect" coords="605, 120, 750, 140" href=
"?page=report&uname=<?php print ($uname); ?>">
</map>
</body>

</html>

```

update_pass.php

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM account WHERE username='$uname'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
$curr_pass = md5($old_pass);
print ("<div class='blockhead'><div class='maintitle'> Change
Password </div></div>");
if ($curr_pass != $row['password']) {
    print ("<div class='warning'> The old password does not match your
current password </div>");
    print ("<a href=javascript:history.back()> Back </a>");
} else {
    $query = "UPDATE account SET password=md5($new_pass) WHERE
username='$uname'";
    $result = mysql_query($query);
    if ($result) {

```

```

        print ("<div class='warning'> Your password has been successfully
changed </div>");
        print ("<a href=?page=change_pass&uname=$uname> Back </a>");
    }
}
}

```

user.php

```

<?php
if (($submit) && ($uname != '') && ($password != '')) {
    include 'connectdb.php';
    $pwd = md5($password);
    $query = "SELECT * FROM account WHERE username='$uname'
AND password='$pwd'";
    $result = mysql_query($query);
    if ($result) {
        include 'index.php';
    } else {
        $row = mysql_fetch_array($result);
        if ($row['status'] == '1') {
            print ("<html><head><meta http-equiv='refresh'
            Content='0;URL=index.php?page=login'></head></html>");
        } else {
            switch ($row['usertype']) {
                case 1
                    $temp = $row['username'];
                    setcookie("globalname", $temp);
                    print ("<html><head><meta http-equiv='refresh'
                    Content='0;URL=patient.php?uname=$uname'></head></html>");
                    exit;
                case 2
                    $temp = $row['username'];
                    setcookie("globalname", $temp);
                    print ("<html><head><meta http-equiv='refresh'
                    Content='0;URL=doctor.php?uname=$uname'></head></html>");
                    exit;
                case 3
                    $temp = $row['username'];
                    setcookie("globalname", $temp);
                    print ("<html><head><meta http-equiv='refresh'
                    Content='0;URL=sysad.php?uname=$uname'></head></html>");
                    exit;
                default
                    print ("<html><head><meta http-equiv='refresh'
                    Content='0;URL=index.php?page=invalid'></head></html>");
                    break;
            }
        }
        mysql_free_result($result);
    } else include 'index.php';
}
}

```

Aschom</doctor>

notice_checking.php

```

function checkNotice() {
    if (notice from value length = 0 || notice to value length = 0 ||
    notice relvalue value length = 0) {
        alert ("Please enter the required fields");
        return false;
    }
    return true;
}

/*
 * DHTML date validation script. Courtesy of SmartWebby.com
 (http://www.smartwebby.com/dhtml/)
 */
// Declaring valid date character, minimum year and maximum year
var dtCh = "-";
var minYear = 2005;
var maxYear = 2100;

```

```

function isInteger(s) {
    var i;
    for (i = 0; i < s.length; i++) {
        // Check that current character is number.
        var c = s.charAt(i);
        if ((c < "0") || (c > "9")) return false;
    }
    // All characters are numbers
    return true;
}

```

```

function strpCharsInBag(s, bag) {
    var i;
    var returnString = "";
    // Search through string's characters one by one
    // If character is not in bag, append to returnString

```

```

for (i = 0; i < s.length; i++) {
    var c = s.charAt(i);
    if (bag.indexOf(c) == -1) returnString += c;
}
return returnString;
}

function daysInFebruary (year) {
    // February has 29 days in any year evenly divisible by four,
    // EXCEPT for centennial years which are not also divisible by 400
    // ((year % 4 == 0) && ((year % 100 == 0) || (year % 400 == 0)))
    ? 29 : 28;
}

function DaysArray(n) {
    for (var i = 1; i <= n; i++) {
        this[i] = i;
        if (i==4 || i==6 || i==9 || i==11) {this[i] = 30;}
        if (i==2) {this[i] = 29;}
    }
    return this;
}

function isDate(dtStr) {
    var daysInMonth = DaysArray(12);
    var pos1 = dtStr.indexOf('(');
    var pos2 = dtStr.indexOf(')');
    var strMonth = dtStr.substring(pos1+1, pos2);
    var strDay = dtStr.substring(pos2+1);
    var strYear = dtStr.substring(0, pos1);
    strYr = strYear;
    if (strDay.charAt(0)=="0" && strDay.length>1)
        strDay=strDay.substring(1);
    if (strMonth.charAt(0)=="0" && strMonth.length>1)
        strMonth=strMonth.substring(1);
    for (var i = 1; i <= 3; i++) {
        if (strYr.charAt(0)=="0" && strYr.length>1)
            strYr=strYr.substring(1);
        month=parseInt(strMonth);
        day=parseInt(strDay);
        year=parseInt(strYr);
        if (pos1==1 || pos2==-1) {
            alert("The date format should be YYYY-MM-DD");
            return false;
        }
        if (strYear.length != 4 || year==0 || year<minYear || year>maxYear) {
            alert("Please enter a valid 4 digit year starting from "
            +minYear);
            return false;
        }
        if (strMonth.length<1 || month<1 || month>12) {
            alert("Please enter a valid month");
            return false;
        }
        if (strDay.length<1 || day<1 || day>31 || (month=="02" &&
        day>daysInFebruary(year)) || day > daysInMonth(month)) {
            alert("Please enter a valid day");
            return false;
        }
        if (dtStr.indexOf(dtCh,pos2+1)!=-1) || !isInteger(stripCharsInBag(dtStr,
        dtCh))){return false;}
        alert("Please enter a valid date");
        return false;
    }
    return true;
}

function Validate() {
    var dt = document.notice.from;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    dt = document.notice.to;
    if (dt.value != 0) {
        if (isDate(dt.value) == false) {
            dt.focus();
            return false;
        }
    }
    return true;
}

add_action_plan.php

<?php
include 'connectdb.php';
if ($add) {
    $query = "SELECT patient_id, data_create FROM action_plan WHERE
    patient_id = $patient";
    $result = mysql_query($query);
    $check = 0;
    while ($row = mysql_fetch_array($result)) {
        $smydate = explode("-", $row[1]);
        if ($smydate[0] == date("Y") && $smydate[1] == date("m") && $smydate[2]
        == date("d")) {
            $check = 1;
        }
    }
    if ($check == 1) {
        print("<div class = 'blockhead'><div class = 'mainTitle'> Add Action
        Plan </div></div>");
        print("<div class = 'warning'> The patient's action plan already exists
        <br> You can add one action plan a day for every patient </div>");
        print("<a
        href=?page=view_plans&uname=$uname&patient=$patient> Back
        </a><br><br>");
    } else {
        $query = "INSERT INTO action_plan VALUES ($patient,
        $sexr_mname, $sexr_puffs, $sqr_mname, $sqr_puffs, $sqr_freq,
        $scont_med)";
        $query = " $add_med, $sqr_mname, $sqr_puffs, $sqr_freq,
        $numhours, $inc_mname, $inc_puffs, $inc_freq, $spred, $numdays";
        $query = " $add_pred, $triggers, $sqr_mname, $sqr_freq,
        $sp_instruct, $uname, now(), $doc_notes, $s_perl1, $s_perl2";
        $query = " $c_perl1, $c_perl2, $a_perl1, $a_perl2, $l_puffs1,
        $l_puffs2";
        $query = " $l_freq1, $l_freq2, $l_freq3, $l_freq4, $l_freq5";
        $result = mysql_query($query);
        if ($result) {
            print("<div class = 'blockhead'><div class = 'mainTitle'> Add Action
            Plan </div></div>");
            print("<div class = 'warning'> The action plan has been added
            </div>");
            print("<a
            href=?page=view_plans&uname=$uname&patient=$patient> Back
            </a><br><br>");
        }
    }
}

if ($edit) {
    $query = "UPDATE action_plan SET sexr_mname=$sexr_mname,
    sexr_puffs=$sexr_puffs, sqr_mname=$sqr_mname,
    sqr_puffs=$sqr_puffs, sqr_freq=$sqr_freq, cont_med=$scont_med";
    $query = " $add_med, $add_med, $sqr_mname, $sqr_puffs, $sqr_freq,
    numhours=$numhours,
    inc_mname=$inc_mname, inc_puffs=$inc_puffs, inc_freq=$inc_freq,
    pred=$spred, numdays=$numdays";
    $query = " $add_pred, $add_pred, triggers=$triggers,
    agr_mname=$agr_mname, agr_freq=$agr_freq,
    sp_instruct=$sp_instruct, doctor_id=$uname, last_update=now(),
    doc_notes=$doc_notes, s_perl1=$s_perl1, s_perl2=$s_perl2";
    $query = " $c_perl1, $c_perl2, $c_perl3, $c_perl4, $c_perl5, $a_perl1,
    $a_perl2, $a_perl3, $a_perl4, $a_perl5, $l_freq1=$l_freq1,
    $l_freq2=$l_freq2, $l_freq3=$l_freq3, $l_freq4=$l_freq4,
    $l_freq5=$l_freq5";
    $query = " $l_puffs1=$l_puffs1, $l_puffs2=$l_puffs2, $l_puffs3=$l_puffs3,
    $l_puffs4=$l_puffs4, $l_puffs5=$l_puffs5";
    $result = mysql_query($query);
    if ($result) {
        print("<div class = 'blockhead'><div class = 'mainTitle'> Edit Action
        Plan </div></div>");
        print("<div class = 'warning'> The action plan has been modified
        </div>");
        print("<a
        href=?page=view_plans&uname=$uname&patient=$patient> Back
        </a><br><br>");
    }
}
}

add_assessment.php

<?php
include 'connectdb.php';
$query = "INSERT INTO message VALUES ('', $uname, now(), '3',
'$doc_notes', 'Health Assessment for your SVM [$date]', $patient)";
$result = mysql_query($query);
$query = "SELECT doc_notes FROM symp_mess WHERE
patient_id=$patient AND sm_date=$date";
$result = mysql_query($query);
$smyrow = mysql_fetch_array($result);
if ($smyrow[0] != "") {
    $sassa = $uname . " " . date("Y") . " " . date("m") . " " . date("d") . " "
    $doc_notes;
    $sassa = $sassa . " " . $smyrow[0];
} else {
    $sassa = $uname . " " . date("Y") . " " . date("m") . " " . date("d") . " "
    $doc_notes;
}
$query = "UPDATE symp_mess SET doc_notes=$sassa WHERE
patient_id=$patient AND sm_date=$date";

```

```

$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    $smydate = explode("-", $row[1]);
    if ($smydate[0] == date("Y") && $smydate[1] == date("m") && $smydate[2]
    == date("d")) {
        $check = 1;
    }
}
if ($check == 1) {
    print("<div class = 'blockhead'><div class = 'mainTitle'> Add Action
    Plan </div></div>");
    print("<div class = 'warning'> The patient's action plan already exists
    <br> You can add one action plan a day for every patient </div>");
    print("<a
    href=?page=view_plans&uname=$uname&patient=$patient> Back
    </a><br><br>");
} else {
    $query = "INSERT INTO action_plan VALUES ($patient,
    $sexr_mname, $sexr_puffs, $sqr_mname, $sqr_puffs, $sqr_freq,
    $scont_med)";
    $query = " $add_med, $sqr_mname, $sqr_puffs, $sqr_freq,
    $numhours, $inc_mname, $inc_puffs, $inc_freq, $spred, $numdays";
    $query = " $add_pred, $triggers, $sqr_mname, $sqr_freq,
    $sp_instruct, $uname, now(), $doc_notes, $s_perl1, $s_perl2";
    $query = " $c_perl1, $c_perl2, $a_perl1, $a_perl2, $l_puffs1,
    $l_puffs2";
    $query = " $l_freq1, $l_freq2, $l_freq3, $l_freq4, $l_freq5";
    $result = mysql_query($query);
    if ($result) {
        print("<div class = 'blockhead'><div class = 'mainTitle'> Add Action
        Plan </div></div>");
        print("<div class = 'warning'> The action plan has been added
        </div>");
        print("<a
        href=?page=view_plans&uname=$uname&patient=$patient> Back
        </a><br><br>");
    }
}
}

if ($edit) {
    $query = "UPDATE action_plan SET sexr_mname=$sexr_mname,
    sexr_puffs=$sexr_puffs, sqr_mname=$sqr_mname,
    sqr_puffs=$sqr_puffs, sqr_freq=$sqr_freq, cont_med=$scont_med";
    $query = " $add_med, $add_med, $sqr_mname, $sqr_puffs, $sqr_freq,
    numhours=$numhours,
    inc_mname=$inc_mname, inc_puffs=$inc_puffs, inc_freq=$inc_freq,
    pred=$spred, numdays=$numdays";
    $query = " $add_pred, $add_pred, triggers=$triggers,
    agr_mname=$agr_mname, agr_freq=$agr_freq,
    sp_instruct=$sp_instruct, doctor_id=$uname, last_update=now(),
    doc_notes=$doc_notes, s_perl1=$s_perl1, s_perl2=$s_perl2";
    $query = " $c_perl1, $c_perl2, $c_perl3, $c_perl4, $c_perl5, $a_perl1,
    $a_perl2, $a_perl3, $a_perl4, $a_perl5, $l_freq1=$l_freq1,
    $l_freq2=$l_freq2, $l_freq3=$l_freq3, $l_freq4=$l_freq4,
    $l_freq5=$l_freq5";
    $query = " $l_puffs1=$l_puffs1, $l_puffs2=$l_puffs2, $l_puffs3=$l_puffs3,
    $l_puffs4=$l_puffs4, $l_puffs5=$l_puffs5";
    $result = mysql_query($query);
    if ($result) {
        print("<div class = 'blockhead'><div class = 'mainTitle'> Edit Action
        Plan </div></div>");
        print("<div class = 'warning'> The action plan has been modified
        </div>");
        print("<a
        href=?page=view_plans&uname=$uname&patient=$patient> Back
        </a><br><br>");
    }
}
}

add_assessment.php

<?php
include 'connectdb.php';
$query = "INSERT INTO message VALUES ('', $uname, now(), '3',
'$doc_notes', 'Health Assessment for your SVM [$date]', $patient)";
$result = mysql_query($query);
$query = "SELECT doc_notes FROM symp_mess WHERE
patient_id=$patient AND sm_date=$date";
$result = mysql_query($query);
$smyrow = mysql_fetch_array($result);
if ($smyrow[0] != "") {
    $sassa = $uname . " " . date("Y") . " " . date("m") . " " . date("d") . " "
    $doc_notes;
    $sassa = $sassa . " " . $smyrow[0];
} else {
    $sassa = $uname . " " . date("Y") . " " . date("m") . " " . date("d") . " "
    $doc_notes;
}
$query = "UPDATE symp_mess SET doc_notes=$sassa WHERE
patient_id=$patient AND sm_date=$date";

```

```

$result = mysql_query($query);
if ($result) {
    print("<div class='blockhead'><div class='maintitle'> Send Health Assessment </div></div>");
    print("<div class='warning'> Your assessment has been added to the SVM record <br> It has also been sent as a message to <font color='black'> $patient </font></div>");
    print("<a href=?page=show_symp_meas&uname=$uname&patient=$patient'>Back </a>");
}
?>

<script language="JavaScript">
window.open
(http://localhost/aschoms/win32/console/send_assessment.php?<?php print
(patient_id=$patient&doctor=$uname&assess=$doc_no&date=$date)
,?,"",width=300,height=150,resizable=no);
</script>

```

add_bill.php

```

<?php
include 'connectdb.php';
if ($add) {
    $query = "SELECT date_modified FROM billing WHERE
    username=$patient_id AND amt_type='CF'";
    $result = mysql_query($query);
    $check = 0;
    while ($row = mysql_fetch_array($result)) {
        $mydate = explode("-", $row[0]);
        if (date("Y") == $mydate[0] && date("m") == $mydate[1] && date("d")
        == $mydate[2]) {
            $check = 1;
        }
    }
    if ($check == 0) {
        $query = "INSERT INTO billing VALUES ($patient_id, '$plustc', 'CF',
        now())";
        $result = mysql_query($query);
        if ($result) {
            print("<div class='blockhead'><div class='maintitle'> Add Pending Consultation Fee </div></div>");
            print("<div class='warning'> The fee has been added </div>");
        }
    }
}

```

```

<script language="JavaScript">
window.open
(http://localhost/aschoms/win32/console/send_cfbill.php?<?php print
(patient_id=$patient_id&plustc=$plustc&date=$date&edit=1),?,"",width=400,
height=150,resizable=no);
</script>

```

```

<?php
} else {
    print("<div class='blockhead'><div class='maintitle'> Add Consultation Fee </div></div>");
    print("<div class='warning'> A fee of the same date already exists <br> You can only edit the said fee <br> </div>");
}
if ($edit) {
    $query = "UPDATE billing SET amount=$newcf WHERE
    username=$patient AND date_modified=$date AND amt_type='CF'";
    $result = mysql_query($query);
    if ($result) {
        print("<div class='blockhead'><div class='maintitle'> Edit Pending Consultation Fee </div></div>");
        print("<div class='warning'> The fee has been modified </div>");
    }
}

```

```

<script language="JavaScript">
window.open
(http://localhost/aschoms/win32/console/send_cfbill.php?<?php print
(patient_id=$patient&newcf=$newcf&date=$date&edit=1),?,"",width=400,height=150,resizable=no);
</script>

```

```

<?php
}
print("<a href=?page=view_patient&uname=$uname'>Back </a>");
?>

```

add_clinic_sked.php

```

<?php
include 'connectdb.php';
$stdays = array("Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday");
$mytime = "";

```

```

$mydays = "";
for ($i = 0; $i < 7; $i++) {
    if ($times[$i] != "") {
        $mytime = $times[$i];
        $mydays = "";
        $mydays = $stdays[$i];
        $mydays = ""
    }
}
if ($add) {
    $query = "UPDATE doctor SET clinic='skine', address=$caddress,
    day=$mydays, ctime=$mytime WHERE doctor_id=$uname";
    $result = mysql_query($query);
    if ($result) {
        if ($edit) {
            print("<div class='blockhead'><div class='maintitle'> Add Clinic Schedule </div></div>");
            print("<div class='warning'> The clinic schedule has been added </div>");
        } else {
            print("<div class='blockhead'><div class='maintitle'> Edit Clinic Schedule </div></div>");
            print("<div class='warning'> The clinic schedule has been modified </div>");
        }
    }
    print("<a href=?page=clinic_sked&uname=$uname'>Back </a><br><br>");
}
?>

```

add_follow_up.php

```

<?php
$next_follow_up = explode("-", $next_follow);
if ($next_follow_up[0] < date("Y")) {
}
?>

<script language="JavaScript">
alert("The next follow-up date is invalid");
history.back();
</script>

<?php
exit;
} else if ($next_follow_up[0] == date("Y")) {
    if ($next_follow_up[1] < date("m")) {
    }
}
?>

<script language="JavaScript">
alert("The next follow-up date is invalid");
history.back();
</script>

<?php
exit;
} else if ($next_follow_up[1] == date("m")) {
    if ($next_follow_up[2] < date("d")) {
    }
}
?>

<script language="JavaScript">
alert("The next follow-up date is invalid");
history.back();
</script>

<?php
exit;
}
}
include 'connectdb.php';
$date = date("Y") . "-" . date("m") . "-" . date("d");
if ($add) {
    $query = "SELECT date_create FROM follow_up WHERE
    patient_id=$patient";
    $result = mysql_query($query);
    $check = 0;
    if ($result) {
        while ($row = mysql_fetch_array($result)) {
            $mydate = explode("-", $row[0]);
            if (date("Y") == $mydate[0] && date("m") == $mydate[1] && date("d")
            == $mydate[2]) {
                $check = 1;
            }
        }
    }
    print("<div class='blockhead'><div class='maintitle'> Add Clinical Follow-Up </div></div>");
    if ($check == 1) {
        print("<div class='warning'> A clinical follow-up of the same date already exists <br> If you want to have a follow-up of the same date, just edit the said follow-up </div>");
        print("<a href=?page=view_clinical&uname=$uname&patient=$patient'>Back </a><br><br>");
    } else {
        $query = "INSERT INTO follow_up VALUES ($patient, '$uname',
        now(), '$temperature', '$weight', '$height', '$last_attack'";
    }
}

```



```

</td>
</tr>
</tr>
<td><b> Contact Person </b></td>
<td><p><b> Name </b><input class = "input" type = "text" name =
"cname" maxlength = "100"> </td>
<td><p><b> Relation </b><input class = "input" type = "text" name =
"rel" maxlength = "50" size = "15"> </td>
<td><p><b> Address </b><input class = "input" type = "text" name =
"addr" maxlength = "100"> </td>
</tr>
</tr>
<td> &nbsp;</td>
<td><b> Username </b><b class = "required"> * </b><br><input class
= "input" type = "text" name = "username" maxlength = "10"> </td>
<td><b> Password </b><b class = "required"> * </b><br><input class
= "input" type = "password" name = "password" maxlength = "10"> </td>
</tr>
</tr>
<td colspan = "3">
<input type = "button" type = "submit" name = "submit_patient" value
= "Add Patient" onClick = "return ValidateForm()">
</td>
</tr>
</table>
<input type = "hidden" name = "utype" value = "1">
<input type = "hidden" name = "status" value = "A">
</form><br>

<p><b class = "required"> * </b> - required field </p><br>

add_patient.php

<?php
include 'connectdb.php';
if ($submit_patient) {
    $query = "SELECT patient_id FROM patient WHERE
    patient_id=$username";
    $result = mysql_query ($query);
    $row = mysql_fetch_array ($result);
    if ($row != "") {
        print ("<div class = 'blockhead'><div class = 'maintitle'> Add Patient
        </div></div>");
        print ("<div class = 'warning'> The patient account already exists
        </div>");
        print ("<a href=javascript:history.back()> Back </a><br><br>");
    } else {
        $query = "INSERT into account VALUES ('$username',
        md5('$password'), '$utype', '$status')";
        $result = mysql_query ($query);
        $query = "SELECT reliever FROM doctor WHERE
        doctor_id=$username";
        $result = mysql_query ($query);
        $row = mysql_fetch_array ($result);
        $temp_doc = $row[0];
        $query = "INSERT into patient VALUES ('$username', '$iname',
        '$iname', $sname, '$sex', '$cname', '$ref', '$caddr', '$uname', '$bday',
        '$pcity', '$age', now(), '$mpnum', '$spaddr', '$temp_doc', 'N')";
        $result = mysql_query ($query);
        if ($result) {
            print ("<div class = 'blockhead'><div class = 'maintitle'> Add Patient
            </div></div>");
            print ("<div class = 'warning'> The patient has been successfully
            added </div>");
            print ("<a href=?page=lst_patients&uname=$uname"> List Patients
            </a><br><br>");
        }
    }
}
?>

clinic_sked.php

<div class = "blockhead">
<div class = "maintitle"> Clinic Schedule </div>
</div>

<?php
$months = array ("January", "February", "March", "April", "May", "June",
"July", "August", "September", "October", "November", "December");
if (($month) && ($year)) {
    $month1 = date ("m");
    $year1 = date ("Y");
}
?>

<br>
<table class = "tbl" width = "30%" border = "1" cellpadding = "3"
cellspacing = "1" align = "center">
<tr>
<td>

```

```
for ($i = 0; $i < count($days); $i++) {
    print "<u align = 'center'>";
    print "<td $days[$i] </td>";
    print "<td $time[$i] </td>";
    print "</tr>";
}
?>
</table>
</php
print ("<input type = 'hidden' name = 'clinic' value = '%s%'> $row[0].
print ("<input type = 'hidden' name = 'coddess' value = '%s%'> "
$row[1].
print ("<input type = 'hidden' name = 'cday' value = '%s%'> $row[2].
print ("<input type = 'hidden' name = 'ctime' value = '%s%'> $row[3].
?>
</td>
</tr>
</tr>
<td></td>
<td><input class = 'button' type = 'submit' name = 'edit' value = 'Edit
Schedule'></form> </td>
</php
}
?>
</tr>
</table>
```

docleft.php

```
<div class = "blockhead">Welcome <?php print ($uname). ?></div>
```

<div class = "blockbody">

<div class = "menusep">Patent Profile</div>

```
<ul class = "leftmenu">
```

```
<a href="#" page=list_patients&uname=<?php print ('$uname'); >?>
List Patients </a></li>
<li><a href="#" page=add_patients&uname=<?php print ('$uname'); >?>
Enroll Patient </a></li>
<li><a href="#" page=view_patient&uname=<?php print ('$uname'); >?>
Update Billing </a></li>
<li><a href="#" page=view_medical_history&uname=<?php print ('$uname'); >?>
Update Medical History </a></li>
<li><a href="#" page=view_action_plan&uname=<?php print ('$uname'); >?>
Update Action Plan </a></li>
<li><a href="#" page=view_follow_up&uname=<?php print ('$uname'); >?>
Update Follow Up </a></li>
<li><a href="#" page=view_trends&uname=<?php print ('$uname'); >?>
View Patient's Asthma Condition </a></li>
</ul>
```

<div class = "menusep">Your Account</div>


```
<li><a href="/?page=send_notice&uname=<?php print('Suname');">?>
Send Non-availability </a></li>
<li><a href="/?page=change_pass&uname=<?php print('Suname');">?>
Change Password </a></li>
<li><a href="/?page=gen_info&uname=<?php print('Suname');">?>
General Information </a></li>
<li><a href="/?page=clinic_sked&uname=<?php print('Suname');">?>
Clinic Schedule </a></li>
<li><a href="/?page=priv_msg&uname=<?php print('Suname');">?>
Private Messages </a></li>
<li><a href="/?page=bulletin&uname=<?php print('Suname');">?>
Bulletin Board </a></li>
</ul>
<br><a href="/logout.php" Logout </a><br>
```

sliding

[illegible]

```
<tr>
  <td align = "center"><a href = "?uname=?php print ($uname).
?><img src = "images/home.gif" border = "0"></img></a></td>
</tr>
</table><br>
```

docright.php



```
<?php
switch ($page) {
    case 'faq':
        include 'iaso/faq.php';
        break;
    case 'info':
        include 'iaso/info.php';
        break;
    case 'act':
        include 'iaso/activites.php';

```



```

break;
case 'gen_info':
    include 'doctors/gen_info.php';
    break;
case 'update_gen_info':
    include 'doctors/update_gen_info.php';
    break;
case 'clinic_sked':
    include 'doctors/clinic_sked.php';
    break;
case 'update_clinic_sked':
    include 'doctors/update_clinic_sked.php';
    break;
case 'add_clinic_sked':
    include 'doctors/add_clinic_sked.php';
    break;
case 'priv_msg':
    include 'priv_msg.php';
    break;
case 'send_del_msg':
    include 'send_del_msg.php';
    break;
case 'send_msg':
    include 'send_msg.php';
    break;
case 'show_msg':
    include 'show_msg.php';
    break;
case 'reply_msg':
    include 'reply_msg.php';
    break;
case 'bulletin':
    include 'bulletin.php';
    break;
case 'send_del_bulletin':
    include 'send_del_bulletin.php';
    break;
default:
    print ("<img src = 'images/welcome_doctor.gif' width = '100%'>");
    break;
}
}

edit_bill.php

<?php
include 'connectdb.php';
$query = "SELECT amount FROM billing WHERE amt_type= CF AND
username='$patient' AND date_modified=$date";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
}

<div class = "blockhead">
<div class = "mainbody"> Edit Pending Consultation Fee </div>
</div> <hr>

<form name = "bill" method = "post" action =
?page=add_bill&uname=<?php print ($uname); ?> onSubmiit = "return
checkCFBill()">
<table class = "form" width = "60%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Patient ID </b></td>
<td><?php print ("<b> $patient </b>"), ?> </td>
</tr>
<tr>
<td><b> Date </b></td>
<td><?php print ("<b> $date </b>"), ?> </td>
</tr>
<tr>
<td><b> Consultation Fee </b></td>
<td>
Current Debt = P <?php print ("%s", $row[0]); ?>
<table border = "0">
<tr>
<td><b> New Amount </b>
<td><input class = "input" type = "text" name = "newcd" maxlength =
"10" size = "7"></td>
</tr>
<tr>
<td><b>
<td><input class = "button" type = "submit" name = "edit" value = "Edit the
Billing">
</td>
</tr>
<tr>
<td><b>
<input type = "hidden" name = "patient" value = "<?php print ($patient);
?>"

```

```

<input type = "hidden" name = "date" value = "<?php print ($date); ?>"
</form>

<br><br><a href = "?page=view_patient&uname=<?php print ($uname);
?>"> Back </a><br><br>

gen_info.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM doctor WHERE doctor_id=$uname";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
}

<div class = "blockhead">
<div class = "mainbody"> General Information </div>
</div>

<form name = "doctor" method = "post" action =
?page=update_gen_info&uname=<?php print ($uname); ?> onSubmiit =
"return checkDocForm()">
<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Last Name </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "lname"
maxlength = "50" value = "<?php print ("%s", $row[doc_lname]); ?>" <b
class = "required"> * </b> </td>
</tr>
<tr>
<td><b> First Name </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "fname"
maxlength = "50" value = "<?php print ("%s", $row[doc_fname]); ?>" <b
class = "required"> * </b> </td>
</tr>
<tr>
<td><b> Middle Name </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "mname"
maxlength = "50" value = "<?php print ("%s", $row[doc_mname]); ?>" <b
class = "required"> * </b> </td>
</tr>
<tr>
<td><b> Mobile Phone Number </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "mpnum"
maxlength = "10" value = "<?php print ($cnum); ?>" <b class = "required"> * </b>
</td>
</tr>
<tr>
<td><b> Email Address </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "email"
maxlength = "50" size = "30" value = "<?php print ("%s", $row[email]);
?>" </td>
</tr>
<tr>
<td><b> Organizations </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "orgs"
maxlength = "100" size = "50" value = "<?php print ("%s", $row[org]);
?>" </td>
</tr>
<tr>
<td><b> Clinic Name </b></td>
<td colspan = "3"><input class = "input" type = "text" name = "cname"
maxlength = "100" size = "50" value = "<?php print ("%s", $row[clinic]);
?>" </td>
</tr>
<tr>
<td><b> Clinic Address </b></td>
<td colspan = "3"><input class = "input" type = "text" name =
"caaddr" maxlength = "100" size = "40" value = "<?php print ("%s",
$row[caaddress]); ?>" </td>
</tr>
<tr>
<td colspan = "4"><b> City </b><b class = "required"> * </b><br>
<select class = "input" name = "city">
<?php
$metro = array ("", "Caloocan", "Valenzuela", "Malabon", "Navotas",
"Manila", "Quezon City", "Marikina", "San Juan", "Mandaluyong", "Pasig",
"Pasay", "Makati", "Palermo", "Taguig", "Parañaque", "Las Piñas",
"Muntinlupa");
for ($i = 0; $i < count($metro); $i++) {
    if ($row[city] == $metro[$i]) {
        print ("<option value = '$metro[$i]' selected"> $metro[$i] </option>");
    } else {
        print ("<option value = '$metro[$i]'> $metro[$i] </option>");
    }
}
?>
</select>
</td>
</tr>

```



```

print("<td align='center'><b class='required'><? --</b></td>"),
print("<td align='center'><b class='required'><? --</b></td>"),
print("</table>")
}
print("<br><a href=?page=view_trend&uname=$uname> Back
</a><br><br>")
?>

show_trend2.php

<?php
if ($globalname == "") {
    print("<html><head><meta http-equiv='refresh'
Content='10,URL=/index.php'></head></html>");
?>
<script language="JavaScript"> alert("You are not logged in"); </script>
<?php
exit
}
include 'connectdb.php';
$query = "SELECT pefr, mc, fev1, sm_date FROM symp_meas WHERE
patient_id=$patient ORDER BY sm_date DESC LIMIT 20";
$result = mysql_query($query);
$check = 0;
if ($result) {
    while ($myrow = mysql_fetch_array($result)) {
        $check = 1;
    }
}
?>

<html>

<head>
<title> [2005] vanzon aschoms </title>
<meta http-equiv="Content-Type" content="text/html; charset= iso-
8859-1">
<link rel="stylesheet" type="text/css" href=" /pagestyle.css">
</head>

<body bgcolor="FFB9E7">
<br>
<table width="80%" border="1" cellspacing="0" cellpadding="10"
align="center" bgcolor="FFBFA7">
<tr>
<td colspan="2">
<center><div class="blockhead"><div class="maintitle"> View
Graphical Trend </div></div>
</td>
</tr>
<?php
if ($check == 1) {
    print("<tr><td><div class='text'> Below is the graphical trend of your
patient - <b>$patient </b> - vital measurements</div></td></tr>");
?>
<tr>
<td>
<div class="text"><b> NOTE </b> Up to 10 most recently
submitted vital measurement sets can be displayed </div><b><br>
</td>
</tr>
<tr>
<td>
<?php
print("<center><img src=
'graph_trend2.php?uname=$uname&patient=$patient'></img><center><br>
"<br>");
?>
</td>
</tr>
<tr>
<td colspan="2" align="center" class="footer">
<b> Cheza Marie R. Vanzon : Special Problem : Copyright 2005 :
University of the Philippines Manila </b>
</td>
</tr>
</table>

</html>

<?php
} else {
    print("<div class='warning'> No vital measurements were submitted
</div><br>");
?>

update_action_plan.php

<?php
include 'connectdb.php';
$query = "SELECT best_pefr FROM med_hist WHERE
patient_id=$patient";

```

```

$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($add) {
    if ($row[0] == 7) {
        print("<div class='blockhead'><div class='maintitle'> Add Action
Plan </div></div>");
        print("<div class='warning'> The patient has no medical history <br>
Add patient's medical history first before adding an action plan </div>");
        print("<a href=?page=view_medical_history&uname=$uname> Go to
Medical History </a><br>");
    } else {
        ?>

<div class="blockhead">
<div class="maintitle"> Add Action Plan </div>
</div>

<form name="actionplan" method="post" action=?
?page=add_action_plan&uname=?><?php print("$uname"); ?>

<table width="100%" border="1" cellspacing="1" cellpadding="10"
align="center">
<tr>
<td><b> Patient ID </b><?php print("$patient") ?> </b></td>
<td><b> Doctor ID </b><?php print("$uname") ?> </b></td>
<td><b> Personal Best PEFR </b><?php print("$row[0]"); ?>
</td></td>
</tr>
<tr>
<td><b> Date Created </b></td>
<td><b> Last Update </b></td>
<td><b> Date Today </b><?php print(date("F d Y")); ?> </b></td>
</tr>
<tr>
<td>&nbsp;&nbsp;&nbsp;</td>
<td>&nbsp;&nbsp;&nbsp;</td>
<td>&nbsp;&nbsp;&nbsp;</td>
</tr>

<br valign="top">
<td width="33%">
<table class="plan1" width="100%" border="1" cellspacing="1"
cellpadding="3">
<tr>
<td align="center"><b> STABLE ZONE </b></td>
</tr>
<tr>
<td><b> This is when </b>
<ul>
<li> Have no symptoms </li>
<li> Can do daily activities without difficulty </li>
<li> Sleep undisturbed by your breathing </li>
</ul>
</td>
</tr>
<tr>
<td><b> Calculated Peak Flow </b><br>
<input class="input" name="$pefr1" maxlength="3" size="3">
to
<input class="input" name="$pefr2" maxlength="3" size="3">
<br>
(80 percent to 100 percent of personal best) </td>
</tr>
<tr>
<td><b> Take daily long-term control medications </b><br>
<input class="input" name="ti_mname1" maxlength="100" size
="10">
<input class="input" name="ti_puffs1" maxlength="2" size="1">
puffs
<input class="input" name="ti_freq1" maxlength="2" size="1">
times/day <br>
<input class="input" name="ti_mname2" maxlength="100" size
="10">
<input class="input" name="ti_puffs2" maxlength="2" size="1">
puffs
<input class="input" name="ti_freq2" maxlength="2" size="1">
times/day <br>
<input class="input" name="ti_mname3" maxlength="100" size
="10">
<input class="input" name="ti_puffs3" maxlength="2" size="1">
puffs
<input class="input" name="ti_freq3" maxlength="2" size="1">
times/day
</td>
</tr>
<tr>
<td><b> Take quick-relief medications </b>
<input class="input" name="$qi_mname" maxlength="100" size
="10">
<br>
<input class="input" name="$qi_puffs" maxlength="2" size="1">
puffs up to

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<input class = "input" name = "sq_freq" maxlength = "2" size = "1">
times/day as needed
</td>
</tr>
<tr>
<td><b> 15 to 30 minutes before exercise. </b>
<br> take <input class = "input" name = "exer_puffs" maxlength =
"2" size = "1"> puffs of
<input class = "input" name = "exer_mname" maxlength = "100"
size = "10"> <br> if needed
</td>
</tr>
<tr>
<td><b> Get annual flu vaccination </b> </td>
</tr>
</table>
</td>
<td width = "33%">
<table class = "plan2" width = "100%" border = "0" cellpadding = "1"
cellpadding = "3">
<tr>
<td align = "center"><b> CAUTION ZONE </b> </td>
</tr>
<tr>
<td><b> This is when </b>
<td>
<b> <input type = "checkbox"> Increased difficulty breathing </b>
<b> <input type = "checkbox"> Sleep disturbed by asthma symptoms </b>
<b> <input type = "checkbox"> Frequent, tight coughing </b>
<b> <input type = "checkbox"> Wheezing </b>
<b> <input type = "checkbox"> Difficulty doing daily activities </b>
</td>
</tr>
<tr>
<td><b> Calculated Peak Flow </b> <br>
<input class = "input" name = "c_pelf1" maxlength = "3" size = "3">
to
<input class = "input" name = "c_pelf2" maxlength = "3" size = "3">
<br>
(50 percent to 80 percent of personal best) </td>
<td>
<b> <input type = "checkbox"> Take quick-relief medications </b>
<input class = "input" name = "coq_mname" maxlength = "100" size
= "18"> <br>
<input class = "input" name = "coq_puffs" maxlength = "2" size =
"1"> puffs up to
<input class = "input" name = "coq_freq" maxlength = "2" size = "1">
times/day as needed
</td>
<td>
<b> <input type = "checkbox"> Increase </b>
<input class = "input" name = "inc_mname" maxlength = "100" size
= "18"> to
<input class = "input" name = "inc_puffs" maxlength = "2" size =
"1"> puffs
<input class = "input" name = "inc_freq" maxlength = "2" size = "1">
times/day <br>
<b> Continue </b> <input class = "input" name = "cont_med"
maxlength = "100" size = "15"> <br>
<b> Add </b> <input class = "input" name = "add_med" maxlength
= "100">
</td>
</tr>
<tr>
<td><b> If treatment doesn't provide relief within
<input class = "input" name = "numhours" maxlength = "100" size =
"1"> hours or if symptoms suddenly worsen </b> <br>
<b> Add Prednisone </b> <input class = "input" name = "pred"
maxlength = "100" size = "7"> for
<input class = "input" name = "numdays" maxlength = "100" size =
"1"> days <br>
<b> Call your doctor </b>
<?php
$query = "SELECT docidnum FROM doctor WHERE
doctor_id='Suname'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
print (" +63%". $row[0]);
?>
</td>
</tr>
</table>
</td>
<td width = "33%">
<table class = "plan3" width = "100%" border = "0" cellpadding = "1"
cellpadding = "3">
<tr>
<td align = "center"><b> ALERT ZONE </b> </td>
</tr>
<tr>
<td><b> This is when </b>

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<td>
<b> Prolonged shortness of breath that medication relieves only
briefly or doesn't relieve </b>
<b> Trouble walking or talking </b>
<b> Inability to do daily activities because of breathing trouble </b>
</td>
</tr>
<tr>
<td><b> Calculated Peak Flow </b> <br>
<input class = "input" name = "a_pelf1" maxlength = "3" size = "3">
to
<input class = "input" name = "a_pelf2" maxlength = "3" size =
"3"> <br>
(less than 50 percent of personal best) </td>
<td>
<b> <input type = "checkbox"> Seek emergency care or call your doctor </b> <?php print
(" +63%". $row[0]); ?> </td>
</tr>
<tr>
<td><b> Take quick-relief medications </b>
<input class = "input" name = "aqi_mname" maxlength = "100" size
= "18"> up to
<input class = "input" name = "aqi_freq" maxlength = "2" size = "1">
times
</td>
<td>
<b> <input type = "checkbox"> Add or increase Prednisone </b> <input class = "input"
name = "aadd_pred" maxlength = "100"> </td>
</tr>
<tr>
<td><b> Continue other stable and/or caution zone medication(s) </b> </td>
</tr>
</table>
</td>
<td colspan = "2">
<table class = "form" width = "100%" border = "0" cellpadding = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Special instructions </b> <input type = "text" class = "input" name
= "sp_instruct" cols = "20" rows = "3"> </td>
<td><b> Triggers </b> <input type = "text" class = "input" name = "triggers"
cols = "20" rows = "3"> </td>
<td><b> Doctor's notes </b> <input type = "text" class = "input" name =
"doc_notes" cols = "20" rows = "3"> </td>
</tr>
<tr>
<td colspan = "3"> <input type = "button" value = "Add" </td>
</tr>
</table>
<input type = "hidden" name = "patient" value = "<?php print ($patient);
?>" </td>
</tr>
</table>
<?php
} else if ($edit) {
include 'connectdb.php';
$query = "SELECT * FROM action_plan WHERE patient_id='<?php print ($patient);
?>'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
?>
</td>
</tr>
</table>
<div class = "blockhead">
<div class = "maintitle"> Edit Action Plan </div>
</div>
<form name = "actionplan" method = "post" action =
"?page=add_action_plan&uname=<?php print ($uname); ?>">
<table width = "100%" border = "0" cellpadding = "1" cellspacing = "0"
align = "center">
<tr>
<td><b> Patient ID : <?php print ($patient); ?> </b> </td>
<td><b> Doctor ID : <?php print ($uname); ?> </b> </td>
<td><b> Personal Best PEFR <?php print (" %s", $row[0]); ?> </b> </td>
</tr>
<tr>
<td><b> Date Created <?php print (" %s", $myrow[date_create]); ?> </b> </td>
<td><b> Last Update : <?php print (" %s", $myrow[last_update]); ?> </b> </td>
<td><b> Date Today <?php print (date("F d Y")); ?> </b> </td>
</tr>
<tr>
<td colspan = "3">

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<td><b> Number of Daytime Symptoms : </b><input class = "input"
type = "text" name = "daytime" maxlength = "3"></td>
<td><b> Number of Nocturnal Symptoms : </b><input class = "input"
type = "text" name = "nocturnal" maxlength = "3"></td>
</tr>
<tr>
<td><b> Medications Taken : </b><br><input class = "input" name =
"taken_meds" type = "text" maxlength = "200" size = "30"></td>
<td><b> Number of Emergency Visits : </b><input class = "input" type
= "text" name = "er_visit" maxlength = "3"></td>
<td><b> Number of Missed School Days : </b><input class = "input"
type = "text" name = "miss_sd" maxlength = "3"></td>
</tr>
<tr>
<td colspan = "3"><b> Maintenance Medicine : </b><input class =
"input" type = "text" name = "main_mname" maxlength = "100" size =
"40"><br>
<b> Dosage : </b><input class = "input" type = "text" name =
"main_dose" maxlength = "4" size = "5">
<b> Frequency : </b><input class = "input" type = "text" name =
"main_freq" maxlength = "200">
</td>
<td><b> Next Follow-Up Date : </b><input class = "input" type = "text"
name = "next_followup" maxlength = "10" size = "12"><b class = "required"
*></b></td>
</tr>
<tr>
<td colspan = "3"><b> Doctor's Notes : </b><br><textarea class =
"input" name = "follow_notes" cols = "50" rows = "5"></td>
</tr>
<tr>
<td colspan = "3"><b> Add </b><input class = "button" type = "submit" name = "add"
value = "Add" onClick = "return Validate()"></td>
</tr>
</table>

<input type = "hidden" name = "add" value = "<?php print ($add); ?>"
<input type = "hidden" name = "patient" value = "<?php print ($patient); ?>"
</form>

<?php
} else if ($edit) {
include 'connectdb.php';
$query = "SELECT * FROM follow_up WHERE patient_id=$patient
AND date_create=$date";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
?>

<div class = "blockhead">
<div class = "mainTitle"> Edit Clinical Follow-Up </div>
</div>

<form name = "followup" method = "post" action =
?page=add_follow_up&uname=<?php print ($uname); ?> onsubmit =
"return checkFollowUp()">

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Patient ID : </b><?php print ("<b> $patient </b>"); ?></td>
<td><b> Doctor : </b><?php print ("<b> $uname </b>"); ?></td>
<td><b> Date Today : </b><?php print (date('F d Y')); ?></td>
</tr>
<tr>
<td><b> Temperature : </b>
<input class = "input" type = "text" name = "temperature" maxlength =
"4" size = "10" value = "<?php print ("%s", $row['temperature']); ?>"
<sup>onmouseover = "C" </sup>
</td>
<td><b> Weight : </b>
<input class = "input" type = "text" name = "weight" maxlength = "4"
size = "10" value = "<?php print ("%s", $row['weight']); ?>"
<sup>onmouseover = "G" </sup>
</td>
<td><b> Height : </b>
<input class = "input" type = "text" name = "height" maxlength = "4"
size = "10" value = "<?php print ("%s", $row['height']); ?>"
<sup>onmouseover = "H" </sup>
</td>
<td colspan = "3"><b> Forced Expiratory Volume in 1 second (FEV1)
</b><br>
<input class = "input" type = "text" name = "fev1" maxlength = "3"
value = "<?php print ("%s", $row['fev1']); ?>"
</td>
<td><b> Peak Expiratory Flow Rate (PEFR) : </b><br>
<input class = "input" type = "text" name = "pefr" maxlength = "3" size
= "5" value = "<?php print ("%s", $row['pefr']); ?>"
</td>
</tr>
</table>

<input type = "hidden" name = "edit" value = "<?php print ($edit); ?>"
<input type = "hidden" name = "patient" value = "<?php print ($patient); ?>"
</form>

<?
} else {
include 'connectdb.php';
$query = "SELECT * FROM follow_up WHERE patient_id=$patient
AND date_create=$date";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
?>

<div class = "blockhead">
<div class = "mainTitle"> View Clinical Follow-Up </div>
</div>

```

Patient ID	
Doctor Surname	
Date Today	
Temperature	
C	
Weight	
kilograms	
Height	
meters	
Forced Expiratory Volume in 1 second (FEV1)	
Peak Expiratory Flow Rate (PEFR)	
Vital Capacity (VC)	
Respiratory Rate	
Pulse Rate	
respiration/minute	
Pulse Rate	
pulse/minute	
Last Asthma Attack	
(YYYY-MM-DD)	
Last Asthma Attack	
Number of Daytime Symptoms	
Number of Nocturnal Symptoms	
Medications Taken	
Emergency Visits	
Missed School Days	

```

</table>

<br><div class="text"><b>... Asthma Related ...</b></div><br>

<table class="form" width="90%" border="0" cellpadding="1"
cellpadding="3" align="center">
<tr>
<td><b>Date When Asthma was Detected</b></td>
<td><p><b>YYYY-MM-DD</b><input class="input" name="
asthma_date" type="text" size="12"></td>
<td colspan="2"><b>Asthma Type</b></td>
<select class="input" name="asthma_type">
<option value="">...</option>
<option value="Intermittent">Intermittent</option>
<option value="Mild Persistent">Mild Persistent</option>
<option value="Moderate Persistent">Moderate Persistent</option>
<option value="Severe Persistent">Severe Persistent</option>
</select><b class="required">*</b>
</td>
</tr>
<tr>
<td><b>Best PEFR</b></td>
<td><input class="input" name="best_pefr" type="text" maxlength="
3"><b class="required">*</b></td>
<td colspan="2"><b>Are there smokers in the house?</b></td>
<select class="input" name="smoker">
<option value="">...</option>
<option value="Y">Yes</option>
<option value="N">No</option>
</select>
</td>
<td><b>Are there pets in the house?</b></td>
<select class="input" name="pets">
<option value="">...</option>
<option value="Y">Yes</option>
<option value="N">No</option>
</select>
</td>
</tr>
<tr>
<td colspan="4"><b>Previous Hospitalizations Due to Asthma</b></td>
<td colspan="2"><b>Format = [Date Hospitalized] / [Hospital
Name] / [Number of Days Hospitalized]</b></td>
<td colspan="2"><input type="text" name="hospitalize" cols="50" rows="
5"></td>
</tr>
<tr>
<td colspan="4"><b>Doctor's Notes</b></td>
<td colspan="2"><input type="text" name="doc_notes" cols="
50" rows="5"></td>
</tr>
</table>

<br><br><div class="text"><b>... Birth and Maternity ...</b></div><br>

<table class="form" width="90%" border="0" cellpadding="1"
cellpadding="3" align="center">
<tr>
<td colspan="2"><b>Birth Delivery</b></td>
<td colspan="2"><input type="text" name="birth_del">
</td>
<td colspan="2"><b>Birth Weight (n kg)</b></td>
<td colspan="2"><input type="text" name="birth_wt">
</td>
<td colspan="2"><b>Mother's Age Upon Birth</b></td>
<td colspan="2"><input type="text" name="m_age">
</td>
<td colspan="2"><b>Gravity / Parity</b></td>
<td colspan="2"><input type="text" name="m_gravity">
</td>
</tr>
<tr>
<td colspan="2"><b>Mother's Illnesses During Pregnancy</b></td>
<td colspan="2"><b>Format = [Type of Illness] / [Medications
Taken for the Illness]</b></td>
<td colspan="2"><input type="text" name="m_ill" cols="50" rows="
5"></td>
</tr>
<tr>
<td colspan="2"><b>Birth Notes</b></td>
<td colspan="2"><input type="text" name="birth_notes" cols="
50" rows="5"></td>
</tr>
</table>

<br><br><div class="text"><b>... Nutrition ...</b></div><br>

<table class="form" width="90%" border="0" cellpadding="1"
cellpadding="3" align="center">
<tr>

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<td><b>Feeding Type</b></td>
<select class="input" name="feedtype">
<option value="">...</option>
<option value="Breast Feed">Breast Feed</option>
<option value="Bottle Feed">Bottle Feed</option>
</select>
</td>
<td><b>Milk Type</b></td>
<input type="text" name="
milktype" maxlength="100"></td>
<td><b>Milk Preparation</b></td>
<input type="text" name="milkprep"
type="text" maxlength="100"></td>
<td><b>Duration (in months)</b></td>
<input type="text" name="
duration" type="text" maxlength="3"></td>
</tr>
<tr>
<td colspan="2"><b>Nutrition Notes</b></td>
<td colspan="2"><input type="text" name="nut_notes" cols="
50" rows="5"></td>
</tr>
<tr>
<td colspan="4"><b>Add</b></td>
<td colspan="4"><input type="button" value="Add" onClick="return ValidateForm();">
</td>
</tr>
</table>
<input type="hidden" name="patient" value=""><?php print ($patient)
?>
</form>

<?php
} else if ($edit) {
include 'connectdb.php';
$query = "SELECT * FROM med_hist WHERE patient_id=$patient";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
?>

<div class="blockhead">
<div class="mainTitle">Edit Medical History</div>
</div>

<form name="medHist" method="post" action="
?page=add_medical_history&name=?php print ($$name); ?">
onSubmit="return checkMedHist()"

<div class="text"><b>... General ...</b></div><br>

<table class="form" width="90%" border="0" cellpadding="1"
cellpadding="3" align="center">
<tr>
<td colspan="2"><b>Patient ID</b></td>
<td colspan="2"><input type="text" name="Spatient">
</td>
<td colspan="2"><b>Doctor</b></td>
<td colspan="2"><input type="text" name="Suname">
</td>
<td colspan="2"><b>Date</b></td>
<td colspan="2"><input type="text" name="date">
</td>
</tr>
<tr>
<td colspan="2"><b>Vaccinations</b></td>
<td colspan="2"><b>Format = [Type of Vaccine] / [Number of
Doses/Booster] / [Age Administered]</b></td>
<td colspan="2"><input type="text" name="vaccines" cols="50" rows="
3"></td>
</tr>
<tr>
<td colspan="2"><b>Previous Illnesses</b></td>
<td colspan="2"><b>Format = [Type of Illness] / [Medications
Taken for the Illness] / [Age]</b></td>
<td colspan="2"><input type="text" name="illnesses" cols="50" rows="
3"></td>
</tr>
<tr>
<td colspan="2"><b>Family Illnesses</b></td>
<td colspan="2"><b>Format = [Family Illness] / [Medications
Taken for the Illness] / [Age]</b></td>
<td colspan="2"><input type="text" name="family_ill" cols="50" rows="
3"></td>
</tr>
</table>

```

```

</table>

<br><div class = "text"><b> ... Asthma Related ... </b></div><br>

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Date When Asthma was Detected </b></td></tr>
<td><p><b> YYYY-MM-DD </b></p>
<?php
if ($row[asthma_date]) != "0000-00-00" {
    print("<br><font color = 'black'> %s </font>", $row[asthma_date]);
    print("<input type = 'hidden' name = 'asthma_date' value = '%s'>",
    $row[asthma_date]);
    } else {
        print("<input class = 'input' name = 'asthma_date' type = 'text'
        maxlength = '10'>");
    }
    </td>
<td colspan = "2"><b> Asthma Type </b></td><br>
<select class = "input" name = "asthma_type">
<option value = ""> ... </option>
<?php
    $asthma_types = array('Intermittent', 'Mid Persistent', 'Moderate
    Persistent', 'Severe Persistent');
    for ($i = 0; $i < 4; $i++) {
        if ($asthma_types[$i] == $row[asthma_type]) {
            print("<option value = '$asthma_types[$i]' selected>
            $asthma_types[$i] </option>");
        } else {
            print("<option value = '$asthma_types[$i]'> $asthma_types[$i]
            </option>");
        }
    }
    </td>
</select> <b class = "required"> * </b>
</td>
</tr>
<tr>
<td><b> Best PEFR </b></td>
<td><input class = "input" name = "best_pefr" type = "text" maxlength =
"3" value = "<?php print('%s', $row[best_pefr]); >?> <b class =
'required"> * </b></td>
<td><b> Are there smokers in the house? </b>
<select class = "input" name = "smoker">
<option value = ""> ... </option>
<?php
if ($row[smoker] == "Y") {
    print("<option value = 'Y' selected> Yes </option>");
    } else {
        print("<option value = 'Y'> Yes </option>");
    }
    if ($row[smoker] == "N") {
        print("<option value = 'N' selected> No </option>");
    } else {
        print("<option value = 'N'> No </option>");
    }
    </td>
</select>
</td>
<td><b> Are there pets in the house? </b>
<select class = "input" name = "pets">
<option value = ""> ... </option>
<?php
if ($row[pets] == "Y") {
    print("<option value = 'Y' selected> Yes </option>");
    } else {
        print("<option value = 'Y'> Yes </option>");
    }
    if ($row[pets] == "N") {
        print("<option value = 'N' selected> No </option>");
    } else {
        print("<option value = 'N'> No </option>");
    }
    </td>
</select>
</td>
</tr>
<tr>
<td><b> Previous Hospitalizations Due to Asthma </b></td>
<td colspan = "3"><p><b> Format = [Date Hospitalized] / [Hospital
Name] / [Number of Days Hospitalized] </b></p>
<?php
    $hosps = $row[hospitalize];
    print("<br><font color = 'black'> $hosps </font>");
    print("<input type = 'hidden' name = 'hosps' value = '$hosps'>");
    </td>
</tr>
<tr>
<td colspan = "4"><div class = "input" name = "hospitalize" cols = "50" rows =
"3"></div>
</td>
</tr>
<tr>
<td><b> Doctor's Notes </b></td>

```

```

<td colspan = "3">
<?php
    $doc_note = $row[doc_notes];
    print("<font color = 'black'> $doc_note </font><br>");
    print("<input type = 'hidden' name = 'doc_note' value =
'$doc_note'>");
    </td>
<td colspan = "3"><div class = "input" name = "doc_notes" cols = "50" rows =
"3"></div>
</td>
</tr>
</table>

<br><div class = "text"><b> ... Birth and Maternity ... </b></div><br>

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Birth Delivery </b>
<?php
if ($row[birth_def] == "N") {
    <select class = "input" name = "birth_def">
<option value = ""> ... </option>
<?php
if ($row[birth_def] == "N") {
    print("<option value = 'N' selected> Normal </option>");
    } else {
        print("<option value = 'N'> Normal </option>");
    }
    if ($row[birth_def] == "C") {
        print("<option value = 'C' selected> Caesarean </option>");
    } else {
        print("<option value = 'C'> Caesarean </option>");
    }
    } else {
        $birth_def = $row[birth_def];
        if ($row[birth_def] == "N") {
            print("<br> Normal");
        } else {
            print("<br> Caesarean");
        }
        print("<input type = 'hidden' name = 'birth_def' value = '$birth_def'>");
    }
    </td>
</select>
</td>
<td><b> Birth Weight (in kg) </b>
<?php
    $birth_wt = $row[birth_wt];
    if ($birth_wt == 0) {
        print("<input class = 'input' type = 'text' name = 'birth_wt'>");
    } else {
        print("<br> $birth_wt");
        print("<input type = 'hidden' name = 'birth_wt' value = '$birth_wt'>");
    }
    </td>
</td>
<td><b> Mother's Age Upon Birth </b>
<?php
    $m_age = $row[m_age];
    if ($m_age == 0) {
        print("<input class = 'input' type = 'text' name = 'm_age'>");
    } else {
        print("<br> $m_age");
        print("<input type = 'hidden' name = 'm_age' value = '$m_age'>");
    }
    </td>
</td>
<td><b> Gravity / Parity </b>
<?php
    $m_gravity = $row[m_gravity];
    if ($m_gravity == 0) {
        print("<input class = 'input' type = 'text' name = 'm_gravity' maxlength
= '2'>");
    } else {
        print("<br> $m_gravity");
        print("<input type = 'hidden' name = 'm_gravity' value =
'$m_gravity'>");
    }
    </td>
</td>
</tr>
<tr>
<td colspan = "4"><b> Mother's Illnesses During Pregnancy </b></td>
<td colspan = "3"><p><b> Format = [Type of Illness] / [Medications
Taken for the Illness] </b></p>
<?php
    $m_ills = $row[m_ills];
    print("<br><font color = 'black'> $m_ills </font>");
    print("<input type = 'hidden' name = 'm_ills' value = '$m_ills'>");
    </td>
</tr>
<tr>
<td colspan = "4"><div class = "input" name = "m_ill" cols = "50" rows =
"3"></div>
</td>

```

```

</td>
</tr>
<tr>
<td colspan="3">
<?php
$birth_note = $row['birth_notes'];
print("<font color = 'black'> $birth_note </font><br>");
print("<input type = 'hidden' name = 'birth_note' value =
'$birth_note'>");
?>
<textarea class = "input" name = "birth_notes" cols = "50" rows =
"3"></textarea>
</td>
</tr>
</table>

<br><div class = "Text"><b> ... Nutrition ... </b></div><br>

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Feeding Type </b>
<?php
$feedtype = $row['feedtype'];
if ($feedtype == "") {
<select class = "input" name = "feedtype">
<option value = "> ... </option>
<?php
$feedtypes = array ("Breast Feed", "Bottle Feed");
for ($i = 0; $i < 2; $i++) {
if ($row['feedtype'] == $feedtypes[$i]) {
print("<option value = '$feedtypes[$i]' selected> $feedtypes[$i]
</option>");
} else {
print("<option value = '$feedtypes[$i]'> $feedtypes[$i] </option>");
}
}
} else {
print("<br> Breast Feed");
} else {
print("<br> Bottle Feed");
}
print("<input type = 'hidden' name = 'feedtype' value = '$feedtype'>");
?>
</select>
</td>
<td><b> Milk Type </b>
<?php
$mlktype = $row['mlktype'];
if ($mlktype == "") {
print("<input class = 'input' type = 'text' name = 'mlktype' maxlength
= '100'>");
} else {
print("<br> $mlktype");
print("<input type = 'hidden' name = 'mlktype' value = '$mlktype'>");
}
?>
</td>
<td><b> Milk Preparation </b>
<?php
$mlkprep = $row['mlkprep'];
if ($mlkprep == "") {
print("<input class = 'input' type = 'text' name = 'mlkprep' maxlength
= '100'>");
} else {
print("<br> $mlkprep");
print("<input type = 'hidden' name = 'mlkprep' value = '$mlkprep'>");
}
?>
</td>
<td><b> Duration (in months) </b>
<?php
$duration = $row['duration'];
if ($duration == 0) {
print("<input class = 'input' type = 'text' name = 'duration' maxlength
= '100'>");
} else {
print("<br> $duration");
print("<input type = 'hidden' name = 'duration' value = '$duration'>");
}
?>
</td>
</tr>
<tr>
<td colspan="3">
<b> Nutrition Notes </b></td>
<td colspan="3">
<?php
$nut_note = $row['nut_notes'];
print("<font color = 'black'> $nut_note </font><br>");

```

```

print("<input type = 'hidden' name = 'nut_note' value = '$nut_note'>");
?>
<td colspan="3">
<input class = "input" name = "nut_notes" cols = "50" rows =
"3"></td>
</tr>
</table>
<br>
<div class = "Text"><b> ... General ... </b></div><br>

<table class = "report" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td colspan="3"> Patient ID </td>
<td colspan="3"> <?php print("<b> $patient </b>"); ?> </td>
<td colspan="3"> Doctor <?php print("<b> $sname </b>"); ?> </td>
<td colspan="3"> Date <?php print("<b> $date </b>"); ?> </td>
</tr>
<tr>
<td colspan="6">
<b> Vaccinations </b></td>
<td colspan="6">
<div colspan = "3"><font color = "maroon"><b> Format = [Type of
Vaccine] / [Number of Dosage/Booster] / [Age Administered]
</b></font><br><?php print("<b> $row['vaccines']>"); ?> </div>
</td>
<td colspan="6">
<b> Previous Illnesses </b></td>
<td colspan="6">
<div colspan = "3"><font color = "maroon"><b> Format = [Type of
Illness] / [Medications Taken for the Illness] / [Age]
</b></font><br><?php print("<b> $row['illnesses']>"); ?> </div>
</td>
<td colspan="6">
<b> Family Illnesses </b></td>
<td colspan="6">
<div colspan = "3"><?php print("<b> $row['family_ill']>"); ?> </div>
</td>
</tr>
</table>

<br><div class = "Text"><b> ... Asthma Related ... </b></div><br>

<table class = "report" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td colspan="3">
<b> Date When Asthma was Detected </b></td>
<td colspan="3">
<?php if ($row['asthma_date'] == "0000-00-00") { print("<b> $row['asthma_date']>"); } ?> </td>
<td colspan="3">
<b> Asthma Type </b>
<?php
$asthma_types = array ("Intermittent", "Mild Persistent", "Moderate
Persistent", "Severe Persistent");
for ($i = 0; $i < 4; $i++) {
if ($asthma_types[$i] == $row['asthma_type']) {
print("<b> $asthma_types[$i]");
}
}
?>
</td>
<td colspan="3">
<b> Best PEFR </b></td>
<td colspan="3">
<?php print("<b> $row['best_pefr']>"); ?> </td>
<td colspan="3">
<b> Are there smokers in the house? </b>
<?php
if ($row['smoker'] == "Y") {
print("<b> Yes");
}
if ($row['smoker'] == "N") {
print("<b> No");
}
?>
</td>
<td colspan="3">
<b> Are there pets in the house? </b>
<?php
if ($row['pets'] == "Y") {

```

```

print (" Yes");
}
if ($row[pets] == 'N') {
print (" No");
}
}

</td>
</tr>
</table>

<br><div class = "text"><b> ... Birth and Maternity ... </b></div><br>

<table class = "report" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Birth Delivery </b>
<?php
if ($row[birth_def] == 'N') {
print (" Normal");
} else {
print (" Caesarean");
}
?>
</td>
<td><b> Birth Weight (in kg) </b> <?php print ("%s", $row[birth_wt]);
?>
</td>
<td><b> Mothers Age Upon Birth </b> <?php print ("%s",
$row[m_age]); </td>
<td><b> Gravity / Parity </b> <?php print ("%s", $row[m_gravty]); </td>
</tr>
<tr>
<td><b> Mother's Illnesses During Pregnancy </b>
<td colspan = "3"><font color = "maroon"><b> Format = [Type of
Illness] / [Medications Taken for the Illness] </b></font><br> <?php print
("%s", $row[m_ill]); </td>
</tr>
<tr>
<td><b> Birth Notes </b>
<td colspan = "3"> <?php print ("%s", $row[birth_notes]); </td>
</tr>
</table>

<br><div class = "text"><b> ... Nutrition ... </b></div><br>

<table class = "report" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Feeding Type </b>
<?php
$feedtypes = array ("Breast Feed", "Bottle Feed");
for ($i = 0; $i < 2; $i++) {
if ($row[feedtype] == $feedtypes[$i]) {
print (" $feedtypes[$i]");
}
}
?>
</td>
<td><b> Milk Type </b> <?php print ("%s", $row[milktype]); </td>
<td><b> Milk Preparation </b> <?php print ("%s", $row[milkprep]); </td>
</tr>
<tr>
<td><b> Duration (in months) </b> <?php print ("%s",
$row[duration]); </td>
</tr>
<tr>
<td><b> Nutrition Notes </b>
<td colspan = "3"> <?php print ("%s", $row[nut_notes]); </td>
</tr>
</table>

<?php
}
print ("<br><a href='?page=view_medical_history&uname=$uname'>
Back </a><br>");
?>

view_action_plan.php

<div class = "blockhead">
<div class = "mainTitle"> View Patients Action Plan </div>
</div>

```

```

<br><div class = "text"> Click the patient id to go to his/her action plan
<br>
<b> NOTE </b> </div> </div> </div> </div>

<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td align = "center">
<td width = "20%"><p><b> Patient ID </b>
<td width = "50%"><p><b> Patient Name </b>
<td><p><b> Date Enrolled </b>
<td><p><b> Number of Action Plans </b>
</td>
</tr>

<?php
include 'connectdb.php';
$query = "SELECT patient_id, pat_lname, pat_fname, pat_mname,
enrol_date FROM patient WHERE doctor_id='&uname' ORDER BY
patient_id";
$result = mysql_query ($query);
$check = 0;
while ($row = mysql_fetch_array ($result)) {
$patient = $row[0];
$query1 = "SELECT status FROM account WHERE
usename='&patient'";
$result1 = mysql_query ($query1);
$row1 = mysql_fetch_array ($result1);
print ("<br>");
if ($row1[0] == 'A') {
print ("<td align = 'center' nowrap><a href =
'?page=view_plans&uname=&patient=&patient'> $patient
</a></td>");
} else {
print ("<td align = 'center' nowrap> $patient </td>");
}
print ("<td align = 'center' nowrap> %s %s %s </td>", $row[2], $row[3],
$row[4]);
$patient = $row[0];
$query = "SELECT patient_id FROM action_plan WHERE
patient_id='&patient'";
$result = mysql_query ($query);
$ctr = 0;
while ($myrow = mysql_fetch_array ($result)) {
$ctr++;
}
print ("<td align = 'center' nowrap> $ctr </td>");
print ("</tr>");
$check = 1;
}
if ($check == 1) {
print ("<table><br>");
} else {
print ("<td align = 'center' nowrap><b class = 'required'><br> -
</b></td>");
print ("<td align = 'center' nowrap><b class = 'required'><br> - No
Patient - </b></td>");
print ("<td align = 'center' nowrap><b class = 'required'><br> -
</b></td>");
print ("<td align = 'center' nowrap><b class = 'required'><br> -
</b></td>");
print ("</table><br>");
}
?>

view_clinical.php

<div class = "blockhead">
<div class = "mainTitle"> List of Clinical Follow-Ups </div>
</div>

<form method = "post" action = "?page=update_follow_up&uname=<?php
print ("&uname"); >?>
<input type = "hidden" name = "patient" value = "<?php print ("&patient");
?>";
<input class = "button" type = "submit" name = "add" value = "Add
Follow-Up">

<br><br><div class = "text"> Here are the clinical follow-ups of <?php print
("<b> &patient </b>"); >?>
Click the Date Created to view the follow-up </div><br>

<table class = "form" width = "70%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td align = "center">
<td width = "22%"><p><b> Date Created </b>
<td width = "22%"><p><b> Last Update </b>
<td width = "22%"><p><b> Doctor </b>
<td width = "22%"><p><b> Next Scheduled Follow-Up </b>
<td><p><b> Edit </b>
</td>
</tr>

<?php

```



```

        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b></td>");
        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b> No Patient - </td></tr></table>");
        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b> Pending Fees - </td></tr></table>");
        print("</table>");
    }
}

```

view_patient.php

```

<div class="blockhead">
<div class="main"> View Patients' Pending Consultation Bills </div>
</div>

```

```

<table width="70%" border="1" cellspacing="1" cellpadding="3" align="center">
<tr>
<td><b> Patient </b></td>
<td><form name="box" method="post" action="
?page=update_bill&uname=<?php print('$uname'); ?>

```

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM patient, account WHERE
doctor_id='$uname' AND patient_id=account.username AND
account.status='A'";
$result = mysql_query($query);
print("<select class='input' name='patient_id'>");
print("<option value='> ... Select a Patient ... </option>");
while ($row = mysql_fetch_array($result)) {
    print("<option value='%s'> %s %s </option>"; $row['patient_id'],
    $row['patient_id'], $row['pat_name'], $row['pat_name']);
}
print("</select>");
}

```

```

<td><input class="button" type="submit" name="add_bill" value="
Add Bill on Click" return checkPaid()> </td>
</tr>
</table>

```

```

<br><div class="text" align="center"> Check the box across the
patients bill to be fully paid </div><br>

```

```

<table class="form" width="70%" border="1" cellspacing="1"
cellpadding="3" align="center">
<tr align="center">
<td width="10%"><input class="button" type="submit" name="
paid" value="Paid" onClick="return checkPaidBox()> </td>
<td><p><b> Patient ID </b></td>
<td width="40%"><p><b> Patient Name </b></td>
<td><p><b> Pending Fee </b></td>
<td width="20%"><p><b> Date </b></td>
</tr>

```

```

<?php
include 'connectdb.php';
$query = "SELECT billing_username, billing_amount,
billing_date_modified, patient_pat_name, patient_pat_iname FROM patient,
billing WHERE patient_id=billing_username AND
billing_amt_type='CF' AND patient_id='$uname' ORDER BY
billing_date_modified DESC";
$result = mysql_query($query);
$check = 0;
$count = 0;
while ($row = mysql_fetch_array($result)) {
    print("<tr>");
    print("<td align='center'><input class='input' type='checkbox' name=
= 'pay$count' value='1'> </td>");
    print("<td align='center' nowrap>%s </td>"; $row[0]);
    print("<td align='center' nowrap>%s </td>"; $row[4], $row[3]);
    print("<td align='center' nowrap>%s </td>"; $row[1]);
    print("<td align='center' nowrap>");
    $mydate = explode("-", $row[2]);
    if ($mydate[0] == date("Y") && $mydate[1] == date("m") && $mydate[2]
    == date("d")) {
        print("<a
href=?page=edit_bill&uname=$uname&patient=%s&date=%s> %s </a>";
        $row[0], $row[2], $row[2]);
    } else {
        print("<a href=?page=edit_bill&uname=$uname&patient=%s&date=%s> %s </a>";
        $row[0], $row[2], $row[2]);
    }
    $check = 1;
    $count++;
}
if ($check == 0) {
    print("<td align='center'>");
}

```

```

        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b>";
        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b> No Patient - </td></tr></table>");
        print("<td align='center' nowrap><b class='required'><input type='checkbox'></b> Pending Fees - </td></tr></table>");
        print("</table>");
    } else {
        print("</table>");
    }
    print("<input type='hidden' name='count' value='<?php print('$count')> </form>");
}

```

view_plans.php

```

<div class="blockhead">
<div class="main"> List of Clinical Follow-Ups </div>
</div>

```

```

<form method="post" action="
?page=update_action_plan&uname=<?php print('$uname'); ?>
<input type="hidden" name="patient" value="<?php print('$patient')
?>";
<input class="button" type="submit" name="add" value="Add Action
Plan">

```

```

<br><br><div class="text"> Here are the action plans of <?php print
('$patient')> <br>
Click the Date Created to view the action plan </div><br>

```

```

<table class="form" width="70%" border="1" cellspacing="1"
cellpadding="3" align="center">
<tr align="center">
<td width="30%"><p><b> Date Created </b></td>
<td width="30%"><p><b> Last Update </b></td>
<td width="30%"><p><b> Doctor </b></td>
<td><p><b> Edit </b></td>
</tr>

```

```

<?php
include 'connectdb.php';
$query = "SELECT date_created, last_update, doctor_id FROM
action_plan WHERE patient_id=$patient ORDER BY date_created
DESC";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    print("<tr>");
    print("<td align='center' nowrap><a href=
?page=update_action_plan&uname=$uname&patient=$patient&date=%s>
%s </a></td>"; $row[0], $row[0]);
    print("<td align='center' nowrap>%s </td>"; $row[1]);
    print("<td align='center' nowrap>%s </td>"; $row[2]);
    $mydate = explode("-", $row[0]);
    if ($mydate[0] == date("Y") && $mydate[1] == date("m") && $mydate[2]
    == date("d")) {
        print("<input type='hidden' name='date' value='%s'>"; $row[0]);
        print("<td align='center'><input class='button' type='submit' name=
= 'edit' value='Edit'></td>");
        print("</form>");
    } else {
        print("<td align='center'><b class='required'><input type='checkbox'></b>";
        print("</td>");
        print("</td>");
        print("</td>");
    }
    print("<td align='center'><a href=?page=view_action_plan&uname=$uname> Back
</a><br><br>");
}

```

view_symp_mess.php

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM symp_mess WHERE patient_id=$patient
AND sm_date='$date'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
}

```

```

<div class="blockhead">

```



```

    print("<td align = 'center'><b class = 'required'><p - No Activities -
</p></b></td>");
    print("</table><br>");
} else {
    print("</table><br>");
}
}
}

faq.php

<div class = "blockhead">
<div class = "mainTitle"> Frequently Asked Questions Regarding Asthma
<br></div>
</div><br>

<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr>
<td colspan = "2"> <p><b> What is asthma? </b></td>
</tr>
<tr>
<td width = "5%"> &nbsp;</td>
<td> Asthma is a condition that affects the airways - the small tubes that
carry air in and out of the lungs.
If you have asthma your airways are almost always sensitive and
inflamed. When you come in to contact with
something that irritates your airways the muscles around the walls of
your airways tighten. The lining of the
airways becomes inflamed and starts to swell and often sticky mucus
or phlegm is produced.
</td>
</tr>
<tr>
<td colspan = "2"> <p><b> What are the things that can set off (or
trigger) my child's asthma symptoms? </b></td>
</tr>
<tr>
<td width = "5%"> &nbsp;</td>
<td> A trigger is anything that irritates the airways and sets off the
symptoms of asthma. Common triggers
include colds or flu, cigarette smoke, exercise and allergies to things
like pollen, furry or leathery
animals or house-dust mite. Everyone's asthma is different and your
child will probably have several triggers.
</td>
</tr>
<tr>
<td colspan = "2"> <p><b> Why did my child get asthma? </b></td>
</tr>
<tr>
<td width = "5%"> &nbsp;</td>
<td> It is difficult to say for sure what causes asthma. What we do know
is that asthma is not an infectious
disease, but often runs in families. If one or both parents have an
allergic condition such as asthma, hay
fever or eczema, their child is more likely to develop asthma. Many
aspects of modern lifestyles - such as
changes in housing and diet and a more hygienic environment - may
have contributed to the rise in asthma over
the last few decades. Environmental pollution can make asthma
symptoms worse but has not been proven to actually
cause asthma. Mothers who smoke during pregnancy also increase
the chance of a child developing asthma.
</td>
</tr>
<tr>
<td colspan = "2"> <p><b> How can I tell if my child has asthma? </b></td>
</tr>
<tr>
<td width = "5%"> &nbsp;</td>
<td> The typical symptoms of asthma in young children are: coughing,
particularly at night and after exercise,
a wheezing or whistling noise in the chest, getting short of breath
when doing everyday things like walking upstairs.
</td>
</tr>
<tr>
<td colspan = "2"> <p><b> What happens during an asthma attack? </b></td>
</tr>
<tr>
<td width = "5%"> &nbsp;</td>
<td> During an asthma attack breathing becomes harder, even at rest.
There may be a cough or wheezing, which is a
musical noise when you breathe. Asthma can also occur at night
during sleep. Asthma can vary in severity from mild
chest tightness with cough and wheeze during exertion, to a life-
threatening attack of severe breathlessness requiring
urgent medical attention.
</td>
</tr>
</table><br>

```

```

info.php

<div class = "blockhead">
<div class = "mainTitle"> Information </div>
</div><br>

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iasno_type='I'";
$result = mysql_query($query);
$check = 0;
?>

<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "25%"> <p><b> Title </b></td>
<td> <p><b> Description </b></td>
</tr>

<?php
while ($row = mysql_fetch_array($result)) {
    $file = $row['iasno_num'];
    print("<tr>");
    if ($row['iasno_filename'] != "") {
        print("<td align = 'center'><a href='iaso/load_file.php?file=%s' target =
' _blank'> %s </a></td>"; $row['iasno_num'], $row['iasno_title']);
    } else {
        print("<td align = 'center'> %s </td>"; $row['iasno_title']);
    }
    print("<td> %s </td>"; $row['iasno_body']);
    print("</tr>");
    $check = 1;
}

if ($check == 0) {
    print("<td align = 'center'><b class = 'required'><p - </p></b></td>");
    print("<td align = 'center'><b class = 'required'><p - No Information -
</p></b></td>");
    print("</table><br>");
} else {
    print("</table><br>");
}
?>

load_file.php

<?php
include 'connectdb.php';
$query = "SELECT iasno_filename, iasno_filedtype, iasno_filedsize,
iasno_filecontent FROM inactservorg WHERE iasno_num='$file'";
$result = mysql_query($query);
list($iasno_filename, $iasno_filedtype, $iasno_filedsize, $iasno_filecontent) =
mysql_fetch_array($result);
header("Content-length: $iasno_filedsize");
header("Content-length: $iasno_filedsize");
header("Content-type: $iasno_filedtype");
header("Content-Disposition: attachment; filename=$iasno_filename");
echo $iasno_filecontent;
?>

orgs.php

<div class = "blockhead">
<div class = "mainTitle"> Organizations </div>
</div><br>

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iasno_type='O'";
$result = mysql_query($query);
$check = 0;
?>

<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "25%"> <p><b> Name </b></td>
<td> <p><b> Description </b></td>
</tr>

<?php
while ($row = mysql_fetch_array($result)) {
    $file = $row['iasno_num'];
    print("<tr>");
    if ($row['iasno_filename'] != "") {
        print("<td align = 'center'><a href='iaso/load_file.php?file=%s' target =
' _blank'> %s </a></td>"; $row['iasno_num'], $row['iasno_title']);
    } else {
        print("<td align = 'center'> %s </td>"; $row['iasno_title']);
    }
    print("<td> %s </td>"; $row['iasno_body']);
    print("</tr>");
    $check = 1;
}

```

```

}
if ($check == 0) {
    print ("<td align = 'center'><b class = 'required'><p - </p></b></td>");
    print ("<td align = 'center'><b class = 'required'><p - No Organizations
    </p></b></td>");
    print ("</table><br>");
} else {
    print ("</table><br>");
}
}
?>

```

services.php

```

<div class = "blockhead">
<div class = "mainTitle"> Services </div>
</div><br>

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iasno_type='S'";
$result = mysql_query ($query);
$check = 0;
?>

<table class = "form" width = "80%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center"
tr align = "center">
<td width = "25%"><p><b> Title </b></td>
<td><p><b> Description </b></td>
</tr>

<?php
while ($row = mysql_fetch_array ($result)) {
    $file = $row["iaso_num"];
    print ("<br>");
    if ($row["iaso_filename"] != "") {
        print ("<td align = 'center'><a href = 'iasoload_file.php?file=%s' target =
        'blank'> %s </a></td>"; $row["iaso_num"], $row["iaso_title"]);
    } else {
        print ("<td align = 'center'> %s </td>"; $row["iaso_title"]);
    }
    print ("<td> %s </td>"; $row["iaso_body"]);
    print ("<br>");
    $check = 1;
}

if ($check == 0) {
    print ("<td align = 'center'><b class = 'required'><p - </p></b></td>");
    print ("<td align = 'center'><b class = 'required'><p - No Services -
    </p></b></td>");
    print ("</table><br>");
} else {
    print ("</table><br>");
}
?>

```

Aschom/symptoms

banner.gif
 banner2.gif
 home.gif
 login.gif
 welcome.gif
 welcome_doctor.gif
 welcome_patient.gif
 welcome_sysad.gif

Aschom/patients

add_symp_measure.php

```

<div class = "blockhead">
<div class = "mainTitle"> Send Asthma Symptoms and Vital Measurements
</div>
</div><br>

<form name = "symp_meas" method = "post" action =
"page=add_symp_measure1&uname=<?php print ("$uname"); ?>"
onSubmit = "return checkSympMeas()">
<table class = "report" width = "80%" border = "0" cellpadding = "1"
cellpadding = "3" align = "center">
<tr>
<td colspan = "2"><b> Data Today </b></td><?php print (date("F d Y")); ?>
</td>
<tr>
<td colspan = "2"><b> Symptoms </b></td></tr>
<tr>
<td align = "center" width = "100%" border = "0">
<tr>
<td><input class = "input" type = "checkbox" name = "symp[0]"
value = "1"> Coughing </td>
<td><input class = "input" type = "checkbox" name = "symp[1]"
value = "1"> Wheezing </td>
</tr>

```

```

<tr>
<td><input class = "input" type = "checkbox" name = "symp[2]"
value = "1"> Shortness of Breath </td>
<td><input class = "input" type = "checkbox" name = "symp[3]"
value = "1"> Tightness of Chest </td>
</tr>
</table><br>
</div>
<tr>
<td colspan = "2"><b> Peak Expiratory Flow Rate : </b></td>
<td><input class = "input" type = "text" name = "pefr" maxlength = "3"
size = "3"> </td>
</tr>
<tr>
<td colspan = "2"><b> Forced Vital Capacity </b></td>
<td><input class = "input" type = "text" name = "fvc" maxlength = "3"
size = "3"> </td>
</tr>
<tr>
<td colspan = "2"><b> Forced Expiratory Volume in 1 second </b></td>
<td><input class = "input" type = "text" name = "lev1" maxlength = "3"
size = "3"> </td>
</tr>
<tr>
<td colspan = "2"><b> </b></td>
<td colspan = "2"><input class = "button" type = "submit" name = "add"
value = "Add"> </td>
</tr>
</table>
</form>

```

```

<?php
print ("<br><a href = 'page=symp_measure&uname=$uname'> Back
</a><br><br>");
?>

```

add_symp_measure1.php

```

<?php
include 'connectdb.php';
$date = date("Y") . "-" . date("m") . "-" . date("d");
if ($add) {
    $query = "SELECT sm_date FROM symp_meas WHERE
    patient_id = '$uname'";
    $result = mysql_query ($query);
    $check = 0;
    if ($result) {
        while ($row = mysql_fetch_array ($result)) {
            $mydate = explode("-", $row[0]);
            if (date("Y") == $mydate[0] && date("m") == $mydate[1] && date("d")
            == $mydate[2]) {
                $check = 1;
            }
        }
    }
    if ($check == 1) {
        print ("<div class = 'blockhead'><div class = 'mainTitle"> Send Asthma
        Symptoms and Vital Measurements </div></div>");
        print ("<div class = 'warning"> A record of the same date already exists
        <br>
        You can only add one asthma symptoms and vital measurements per
        day </div>");
        print ("<a href = 'page=add_symp_measure&uname=$uname'> Back
        </a>");
    } else {
        $symp = array ("Coughing", "Wheezing", "Shortness of Breath",
        "Tightness of Chest");
        $symp1 = "";
        $symp1 = " ";
        for ($i = 0; $i < 4; $i++) {
            if ($symp[$i] == 1) {
                $symp1 = $symp1.$symp[$i];
                $symp1 = " ";
                $symp1 = $symp1.$symp[$i][0];
                $symp1 = " ";
            }
        }
        $query = "INSERT INTO symp_meas (patient_id, sm_date, symptoms,
        pefr, fvc, lev1)";
        $query = "VALUES ('$uname', now(), '$symp1', '$pefr', '$fvc',
        '$lev1')";
        $result = mysql_query ($query);
        $query = "SELECT doctor_id FROM patient WHERE
        patient_id = '$uname'";
        $result = mysql_query ($query);
        $myrow = mysql_fetch_array ($result);
        $doctor = $myrow[0];
        $msg_body = "SYMPTOMS : " . $symp1 . " PEFr : " . $pefr .
        " FVC : " . $fvc . " FEV1 : " . $lev1;
        $query1 = "INSERT INTO message VALUES ('', '$uname', now(), '3',
        '$msg_body', 'Symptoms and Vital Measurements', '$doctor')";
        $result1 = mysql_query ($query1);
        if ($result && $result1) {

```

```

    print("<div class = 'blockhead'><div class = 'mainlife'> Send Asthma
Symptoms and Vital Measurements </div></div>");
    print("<div class = 'warning'> The asthma symptoms and vital
measurements have been added <br> It has also been sent to your doctor
</div>");
    print("<a href='?page=add_symp_measure&uname=$uname'> Back
</a>");
}
if ($pefr == "") { $pefr = 0; }
if ($svc == "") { $svc = 0; }
if ($lev1 == "") { $lev1 = 0; }
$svm = $symptoms1 $pefr " " $svc " " $lev1;
}

```

```

<script language = "JavaScript">
window.open
(http://localhost/aschoms/wn32/console/send_symp.php?<?php print
($patient_id=$uname&$doctor=$doctor&$svm=$svm); ">"; width=300,
height=150, resizable=no);
</script>

```

```

<?php
}
}

```

current_bill.php

```

<?php
include 'connectdb.php';
$query = "SELECT sum(amount) FROM billing WHERE
uname='$uname' AND amt_type='CF'";
$result = mysql_query($query);
$row1 = mysql_fetch_array($result);
$query = "SELECT sum(amount) FROM billing WHERE
uname='$uname' AND amt_type='MMF'";
$result = mysql_query($query);
$row2 = mysql_fetch_array($result);
}

```

```

<div class = "blockhead">
<div class = "mainlife"> Current Billing </div>
</div><br>

```

```

<table class = "report" width = "60%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
|
|  |

```

```

<td width = "40%" rowspan = "3" nowrap><b> Consultation Fee
</b></td>
<td align = "center"><p><b> Date </b></td>
<td align = "center"><p><b> Amount </b></td>

```

```

<tr>
<td align = "center">
<?php
$query = "SELECT amount, date_modified FROM billing WHERE
uname='$uname' AND amt_type='CF' ORDER BY date_modified";
$result = mysql_query($query);
while ($smyrow1 = mysql_fetch_array($result)) {
    print ("%s<br>", $smyrow1[1]);
}
}

```

```

<td>
<td align = "center">
<?php

```

```

$result = mysql_query($query);
while ($smyrow1 = mysql_fetch_array($result)) {
    print ("%s<br>", $smyrow1[0]);
}
}

```

```

<td>
<td align = "center">
<td align = "right"><b> TOTAL </b></td>

```

```

<td align = "center"><?php print ("<font color = 'red'><b> %s
</b></font>", $row1[0]); > </td>
</tr>
</table>

```

```

<b><br>
<table class = "report" width = "60%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">

```

```
|
|  |

```

```

<td align = "center"><p><b> Date </b></td>
<td align = "center"><p><b> Amount </b></td>

```

```

<tr>
<td align = "center">
<?php

```

```

$query = "SELECT amount, date_modified FROM billing WHERE
uname='$uname' AND amt_type='MMF' ORDER BY date_modified";
$result = mysql_query($query);
while ($smyrow2 = mysql_fetch_array($result)) {
    print ("%s<br>", $smyrow2[1]);
}
}

```

```

<td align = "center">
<?php
$result = mysql_query($query);
while ($smyrow2 = mysql_fetch_array($result)) {
    print ("%s<br>", $smyrow2[0]);
}
}

```

```

<td align = "right"><b> TOTAL </b></td>
<td align = "center"><?php print ("<font color = 'red'><b> %s
</b></font>", $row2[0]); > </td>

```

```

</tr>
</table>

```

```

doc_sked.php
<div class = "blockhead">
<div class = "mainlife"> View Doctor's Clinic Schedule </div>
</div>

```

```

<?php
include 'calendar.php';
include 'connectdb.php';

```

```

$query = "SELECT doctor_id FROM patient WHERE
patient_id='$uname'";
$result = mysql_query($query);

```

```

$row = mysql_fetch_array($result);
$doctor = $row[0];
$query = "SELECT doc_name, doc_iname, clinic, address, cday, ctime
FROM doctor WHERE doctor_id='$doctor'";

```

```

$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($row[0] == "") {
    print ("<b class = 'required'> No Clinic Schedule </b>");
} else {
}

```

```

<br>
<table class = "form" width = "60%" border = "0" cellspacing = "3"
cellpadding = "3" align = "center">

```

```



```

```

<tr>
<td width = "30%"><b> Clinic Name </b></td>
<td><?php print ("%s", $row[2]); > </td>

```

```

<tr>
<td width = "30%"><b> Clinic Address </b></td>
<td><?php print ("%s", $row[3]); > </td>

```

```

<tr>
<td width = "30%"><b> Clinic Schedule </b></td>
<td>

```

```

<table width = "100%">
|
|  |

```

```

<td width = "30%"><p><b> Day </b></td>
<td><p><b> Time </b></td>

```

```

<tr>
<td align = "center">

```

```

$days = array ("Sunday", "Monday", "Tuesday", "Wednesday",
"Thursday", "Friday", "Saturday");

```

```

$days = explode (" ", $row[4]);
$size = count($days);
for ($i = 0; $i < $size; $i++) {
    print ("<tr align = 'center'>");
    print ("<td> $days[$i] </td>");
    print ("<td> $days[$i] </td>");
    print ("</tr>");
}
}

```

```

</table>
</td>
</tr>

```

```

<tr>
<td align = "center">
<?php

```

```


```

edit_general_info.php

```
<?php
include 'connectdb.php';
if ($ed) {
    $scinum = "Scinum";
    $query = "UPDATE patient SET age='Sage', name='Sname',
    relationship='Scf', address='Scadd';
    $query = " , paddress='Spaddr', pcity='Spcty', pcelnum='Scelnum'
    WHERE patient_id='Suname'";
    $result = mysql_query($query);
    if ($result) {
        print (<div class = 'blockhead'><div class = 'mainrite'> Edit General
        Information </div></div>);
        print (<div class = 'warning'> Your general information has been
        modified </div>);
        print (<a href=?page=view_general_info&uname=$uname> Back
        </a><br>);
    }
}>
```

graph_trend1.php

```
<?php
include 'connectdb.php';
$query = "SELECT peh, mc, lev1, sm_date FROM symp_meas WHERE
patient_id = $uname ORDER BY sm_date DESC LIMIT 10";
$result = mysql_query($query);
if ($result) {
    $count = 29;
    $sc = 9;
    while ($myrow = mysql_fetch_array($result)) {
        $mydata[$count] = $myrow[0];
        $j = $count - 1;
        $mydata[$j] = $myrow[1];
        $k = $j - 1;
        $mydata[$k] = $myrow[2];
        $count--;
        $mydate[$sc] = $myrow[3];
        $sc--;
    }
}
```

require_once('JChart/rectorlib.phpchartdir.php');

```
#The data for the bar chart
$data0 = array($mydata[29], $mydata[20], $mydata[23], $mydata[20],
$mydata[17], $mydata[14], $mydata[14], $mydata[8], $mydata[5],
$mydata[2]);
$data1 = array($mydata[28], $mydata[25], $mydata[22], $mydata[19],
$mydata[16], $mydata[13], $mydata[10], $mydata[7], $mydata[4],
$mydata[1]);
$data2 = array($mydata[27], $mydata[24], $mydata[21], $mydata[18],
$mydata[15], $mydata[12], $mydata[9], $mydata[6], $mydata[3],
$mydata[0]);
$labels = array($mydate[9], $mydate[8], $mydate[7], $mydate[6],
$mydate[5], $mydate[4], $mydate[3], $mydate[2], $mydate[1],
$mydate[0]);
```

#Create a XYChart object of size 700 x 400 pixels

\$c = new XYChart(600, 400, 0xF8FFA7, -1, 2);

#Add a title to the chart using 14 pts Arial Bold Italic font

\$c->addTitle("Vital Measurements", "arialbi", 14);

#Set the plot area at (50, 50) and of size 650 x 250. Use two alternative

\$c->setPlotArea(50, 50, 600, 300);

#Add a legend box at (50, 25) using horizontal layout. Use 8pts Arial as

font.

#With transparent background.

\$legendObj = \$c->addLegend(50, 25, false, "arial", 10);

\$legendObj->setBackground(Transparent);

#Set the x axis labels.

\$mylabel = \$c->xAxis->setLabels(\$labels);

\$mylabel->setFontSize(11);

#Draw the ticks between label positions (instead of at label positions)

\$c->xAxis->setTickOffset(0.5);

#Add a multi-bar layer with 3 data sets and 9 pixels 3D depth

\$layer = \$c->addBarLayer(2(\$sc));

\$layer->addDataSet(\$data0, 0x0B0B0, "PEFR");

\$layer->addDataSet(\$data1, 0x808080, "FVC");

\$layer->addDataSet(\$data2, 0x808080, "FEV1");

#Set 50% overlap between bars

\$layer->setOverlapRatio(0.3);

#Add a title to the y-axis

\$c->yAxis->setTitle("Measurement");

\$c->xAxis->setTitle("Data Submitted");

```
#Output the chart
header("Content-type: image/png");
print($c->makeChar(2(PNG));
?>
```

patientleft.php

<div class = 'blockhead'> Welcome <?php print ("Suname"); ?> </div>

<div class = 'blockbody'>

<div class = 'menusep'> Asthma Management </div>

<ul class = 'leftmenu'>

<a href = "?page=view_action_plan&uname=<?php print ("Suname")

?>> View Action Plan

<a href = "?page=view_follow_up&uname=<?php print ("Suname")

?>> View Clinical Follow-Up

<a href = "?page=symp_measure&uname=<?php print ("Suname")

?>> View Graphical Trend

<a href = "?page=add_symp_measure&uname=<?php print

("Suname") ?>> Send Symptoms and Vital Measurements

<div class = 'menusep'> Your Account </div>

<ul class = 'leftmenu'>

<a href = "?page=change_pass&uname=<?php print ("Suname")

?>> Change Password

<a href = "?page=current_bill&uname=<?php print ("Suname") ?>>

Current Billings

<a href = "?page=view_general_info&uname=<?php print

("Suname") ?>> General Information

<a href = "?page=doc_sled&uname=<?php print ("Suname") ?>>

Doctor's Clinic Schedule

<a href = "?page=priv_msg&uname=<?php print ("Suname") ?>>

Private Messages

<a href = "?page=bulletin&uname=<?php print ("Suname") ?>>

Bulletin Board

<a href = "logout.php" Logout

</div>

<table border = '0' align = "center">

<tr>

<td align = "center"><a href = "?uname=<?php print ("Suname")

?>>img src = "images/home.gif" border = "0"> </td>

</tr>

</table>

patientright.php

<?php

switch (\$page) {

case 'faq'

include 'asofaq.php';

break;

case 'info'

include 'asofinfo.php';

break;

case 'act'

include 'asofactivities.php';

break;

case 'serv'

include 'asofservices.php';

break;

case 'org'

include 'asoforgs.php';

break;

case 'report'

include 'reports/report.php';

break;

case 'generate'

include 'reports/generate.php';

break;

case 'view_action_plan'

include 'patients/view_action_plan.php';

break;

case 'view_follow_up'

include 'patients/view_follow_up.php';

break;

case 'symp_measure'

include 'patients/symp_measure.php';

break;

case 'add_symp_measure'

include 'patients/add_symp_measure.php';

break;

case 'add_symp_measure1'

include 'patients/add_symp_measure1.php';

```

break;
case 'view_symp_measure':
include 'patients/view_symp_measure.php';
break;
case 'change_pass':
include 'change_pass.php';
break;
case 'update_pass':
include 'update_pass.php';
break;
case 'doc_sked':
include 'patients/doc_sked.php';
break;
case 'current_bill':
include 'patients/current_bill.php';
break;
case 'view_general_info':
include 'patients/view_general_info.php';
break;
case 'edit_general_info':
include 'patients/edit_general_info.php';
break;
case 'priv_msg':
include 'priv_msg.php';
break;
case 'send_del_msg':
include 'send_del_msg.php';
break;
case 'send_msg':
include 'send_msg.php';
break;
case 'show_msg':
include 'show_msg.php';
break;
case 'reply_msg':
include 'reply_msg.php';
break;
case 'bulletin':
include 'bulletin.php';
break;
case 'send_del_bulletin':
include 'send_del_bulletin.php';
break;
default:
print("<img src = 'images/welcome_patient.gif' width = '100%'>");
break;
}
}

show_trend1.php

<?php
if ($globalname == "") {
print("<html><head><meta http-equiv='refresh'>
Content=10;URL= /index.php");
}
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
ent;
}
include ' /connectdb.php';
$query = "SELECT petr, lvc, lev1, sm_date FROM symp_meas WHERE
patient_id= '$uname' ORDER BY sm_date DESC LIMIT 20";
$result = mysql_query ($query);
$check = 0;
if ($result) {
while ($myrow = mysql_fetch_array ($result)) {
$check = 1;
}
}
}

<html>

<head>
<title> [2005] vianzon . aschons </title>
<meta http-equiv = "Content-Type" content = "text/html, charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = " /pagestyle.css">
</head>

<body bgcolor = "FFB6E7">
<br>
<table width = "80%" border = "0" cellspacing = "0" cellpadding = "0"
align = "center" bgcolor = "FFB6E7">
<tr>
<td colspan = "2">
<center><div class = "blockhead"><div class = "maintitle"> View
Graphical Trend </center></div></div>
</td>
</tr>
<?php
if ($check == 1) {

```

```

print("<br><td><div class = 'text'> Below is the graphical trend of your
vital measurements</div></td></tr>");
}
<tr>
<td>
<div class = "text"><b> NOTE </b> Up to 10 most recently
submitted vital measurement sets can be displayed </div><br><br>
</td>
</tr>
<td>
<?php
print("<center><img src =
graph_trend1.php?uname=$uname></img><center><br><br>");
}
</td>
</tr>
<td colspan = "2" align = "center" class = "footer">
<b> Cheza Mane R Vianzon Special Problem Copyright 2005
University of the Philippines Manila </b>
</td>
</tr>
</table>

</html>

<?php
} else {
print("<div class = 'warning'> No vital measurements were submitted
</div><br>");
}
}

symp_measure.php

<div class = "blockhead">
<div class = "maintitle"> List of Asthma Symptoms and Vital
Measurements </div>
</div>

<div class = "text"> Click the Date to view the record </div><br><br>

<table class = "form" width = "50%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "25%"><p><b> Date </b></td>
<td><p><b> Health Assessment </b></td>
</tr>

<?php
include 'connectdb.php';
$query = "SELECT sm_date, doc_notes FROM symp_meas WHERE
patient_id= '$uname' ORDER BY sm_date DESC";
$result = mysql_query ($query);
$check = 0;
while ($row = mysql_fetch_array ($result)) {
print("<tr>");
print("<td align = 'center' nowrap><a href =
?page=view_symp_measure&uname=$uname&date=%s'> %s
</a></td>"; $row[0], $row[0]);
if ($row[1] != "") {
print("<td align = 'center'> With Doctor's Comment </td>");
} else {
print("<td align = 'center'><b class = 'required'><p> - </p></td>");
}
print("</tr>");
$check = 1;
}
}
if ($check == 1) {
print("</table><br><br>");
}

<script language = "JavaScript">
window.open ("<?php print
('patients/show_trend1.php?uname=$uname');>?", "", "menubar=no");
</script>

<?php
} else {
print("<td align = 'center'><b class = 'required'><p> - </p></td></tr>");
print("<td align = 'center'><b class = 'required'><p> - </p></td></tr>");
print("</table><br><br>");
}
}

view_action_plan.php

<div class = "blockhead">
<div class = "maintitle"> View Action Plan </div>
</div>

<?php

```



```

</tr>
</tr>
<td><b> Take quick-relief medications. </b><br><?php print
( <u>%s</u> up to <u>%s</u> times", $data[19], $data[20]); > </td>
</tr>
</tr>
<td><b> Add or increase Prednisone </b><br><?php print
( <u>%s</u> " $data[17]); > </td>
</tr>
<td><b> Continue other stable and/or caution zone medication(s)
</b></td>
</tr>
</table>
</td>
</tr>
</table> <br>

<table class = "form" width = "100%" border = "0" cellspacing = "1"
cellpadding = "10">
<tr valign = "top">
<td width = "50%"><b> Special instructions </b><br><?php print ("%s",
$myrow[sp_instruct]); > </td>
<td width = "50%"><b> Triggers </b><br><?php print ("%s",
$myrow[triggers]); > </td>
</tr>
</table> <br>

<?php
?>

view_follow_up.php

<div class = "blockhead">
<div class = "mainbody"> View Clinical Follow-Up </div>
</div>

<?php
include 'connectdb.php';
$query = "SELECT * FROM follow_up WHERE patient_id=$uname"
ORDER BY date_create DESC";
$result = mysql_query($query);
$num = 0;
while ($row = mysql_fetch_array($result)) {
    $num++;
}
$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($num == 1) {
    print("<div class = 'warning'> No clinical follow-up exists </div>");
} else {
    <div class = "text"> You have <?php print ("<b> $num </b>"); > clinical
    follow-up(s)
    Below is the most recent follow-up, the only allowed record for your
    viewing </div> <br>

    <table class = "report" width = "90%" border = "0" cellspacing = "1"
    cellpadding = "3" align = "center">
    <tr>
    <td><b> Patient ID : </b><?php print ("<b> $uname </b>"); > </td>
    <td><b> Doctor ID </b><?php print ("<b>%s</b>", $row[doctor_id]); >
    </td>
    <td><b> Date Created </b><?php print ("<br> %s", $row[date_create]);
    > </td>
    </tr>
    <tr>
    <td><b> Temperature : </b><br>
    <?php
    if ($row[temperature] == 0) {
        print ("___");
    } else {
        print ("%s", $row[temperature]);
    }
    >
    <sup>C</sup>
    </td>
    <td><b> Weight : </b>
    <?php
    if ($row[weight] == 0) {
        print ("___");
    } else {
        print ("%s", $row[weight]);
    }
    >
    kilograms
    </td>
    <td><b> Height : </b>
    <?php
    if ($row[height] == 0) {
        print ("___");
    }
    >

```

```

    } else {
        print ("%s", $row[height]);
    }
    >
    meters
    </td>
    </tr>
    <tr>
    <td colspan = "2"><b> Forced Expiratory Volume in 1 second (FEV1)
    </b><br><?php print ("%s", $row[fev1]); > </td>
    <td><b> Peak Expiratory Flow Rate (PEFR) </b><br><?php print ("%s",
    $row[pefr]); > </td>
    </tr>
    <tr>
    <td><b> Vital Capacity (VC) </b><br><?php print ("%s", $row[vc]); >
    </td>
    <td><b> Respiratory Rate </b><br>
    <?php
    if ($row[resp_rate] == 0) {
        print ("___");
    } else {
        print ("%s", $row[resp_rate]);
    }
    >
    respirations/minute
    </td>
    <td><b> Pulse Rate </b>
    <?php
    if ($row[resp_rate] == 0) {
        print ("___");
    } else {
        print ("%s", $row[resp_rate]);
    }
    >
    pulse/minute
    </td>
    </tr>
    <tr>
    <td colspan = "2"><b> Last Asthma Attack <br><font color = "maroon">
    (YYYY-MM-DD) </font><br>
    <?php
    if ($row[last_attack] == "0000-00-00") {
        print ("...");
    } else {
        print ("%s", $row[last_attack]);
    }
    >
    </td>
    <td><b> Number of Daytime Symptoms </b><br><?php print ("%s",
    $row[daytime]); > </td>
    <td><b> Number of Nocturnal Symptoms </b><br><?php print ("%s",
    $row[nocturnal]); > </td>
    </tr>
    <tr>
    <td><b> Medications Taken </b><br><?php print ("%s",
    $row[taken_meds]); > </td>
    <td><b> Number of Emergency Visits </b><br><?php print ("%s",
    $row[er_visits]); > </td>
    <td><b> Number of Missed School Days </b><br><?php print ("%s",
    $row[miss_sd]); > </td>
    </tr>
    <tr>
    <td colspan = "2"><b> Maintenance Medicine </b><br><?php print ("%s",
    $row[maint_meds]); >
    <br><b> Dosage </b><br><?php print ("%s", $row[maint_dose]); >
    <br><b> Frequency </b><br><?php print ("%s", $row[maint_freq]); >
    </td>
    <td><b> Next Follow Up Date </b><br><?php print ("%s",
    $row[next_follow]); > </td>
    </tr>
    </table>

    <?php
    ?>

view_general_info.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM patient WHERE patient_id=$uname";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
?>

<div class = "blockhead">
<div class = "mainbody"> General Information </div>
</div> <br>

<form name = "patient" method = "post" action =
"?page=ed1_general_info&uname=<?php print ("$uname"); >" onSubmi
t = "return checkGenInfo()">

```

```

<table class = "report" width = "80%" border = "1" cellpadding = "3" align = "center">
<tr>
<td width = "30%" nowrap><b> Patient's Name </b></td>
<td><b> Last Name </b><br> <?php print ("%s", $row[pat_name]);>
</td>
</tr>
<tr>
<td><b> First Name </b><br> <?php print ("%s", $row[pat_fname]);>
</td>
</tr>
<tr>
<td><b> Middle Name : </b><br> <?php print ("%s", $row[pat_mname]);>
</td>
</tr>
<tr>
<td> &nbsp;</td>
<td><b> Date of Birth <br> (YYYY-MM-DD) </b><br> <?php print ("%s", $row[bdy]);>
</td>
</tr>
<tr>
<td><b> Age </b><br> <input class = "input" type = "text" name = "age"
maxlength = "2" size = "1" value = "<?php print ("%s", $row[age]);>">
<b class = "required"> </b>
<br><b> Sex </b>
<br>
<?php
if ($row[sex] == 'F') {
    print ('Female');
} else {
    print ('Male');
}
?>
</td>
</tr>
<tr>
<td><b> Mobile Phone Number </b><br>
<?php
$celnum = $row[pcelnum];
?>
<div style = "font color = 'maroon'><b>+63 <input class = "input" type = "text"
name = "mpnum" maxlength = "10" size = "13" value = "<?php print
($celnum);>"></div>
</td>
</tr>
<tr>
<td>&nbsp;</td>
<td><b> Address </b><br><div style = "font color = 'maroon'><b>
Street/Town </b></div>
<input class = "input" type = "text" name = "paddr" maxlength = "100"
size = "34" value = "<?php print ("%s", $row[paddress]);>">
</td>
</tr>
<tr>
<td><b> City </b><br> <b class = "required"> * </b><br>
<select class = "input" name = "pcity">
<?php
$metro = array ("", "Caloocan", "Valenzuela", "Malabon", "Navotas",
"Manila", "Quezon City", "Makina", "San Juan", "Mandaluyong", "Pasig",
"Paray", "Makati", "Paleras", "Taguig", "Paranaque", "Las Pinas",
"Muntinlupa");
for ($i = 0, $j = count($metro); $i++) {
    if ($row[pcity] == $metro[$i]) {
        print (<option value = "$metro[$i]" selected> $metro[$i] </option>);
    } else {
        print (<option value = "$metro[$i]"> $metro[$i] </option>);
    }
}
?>
</select>
</td>
</tr>
<tr>
<td><b> Contact Person </b><br>
<div><b> Name </b><br> <input class = "input" type = "text" name =
"cname" maxlength = "100" value = "<?php print ("%s", $row[cname]);>">
</div>
<div><b> Relation </b><br> <input class = "input" type = "text" name =
"crel" maxlength = "50" size = "15" value = "<?php print ("%s",
$row[crelationship]);>">
</div>
<div><b> Address </b><br> <input class = "input" type = "text" name =
"ccadr" maxlength = "100" value = "<?php print ("%s", $row[caddress]);>">
</div>
</td>
</tr>
<tr>
<td><b>
<input class = "button" type = "submit" name = "edit" value = "Edit
General Information">
</td>
</tr>
</table>
</div>

view_symp_measure.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM symp_meas WHERE patient_id = '$uname'
AND sm_date = '$date'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
?>

```

```

<div class = "blockhead">
<div class = "mainnote"> View Asthma Symptoms and Vital Measurements
</div>
</div>

<table class = "report" width = "70%" border = "1" cellpadding = "3" align = "center">
<tr><td colspan = "2"><b> Date Submitted </b><br> <?php print ("%s", $row[dt]);>
</td>
</tr>
<tr><td colspan = "2"><b> Symptoms </b></td>
</tr>
<tr>
<td width = "10%"><b>
</td>
<td>
<?php
$explode = explode (" ", $row[symptoms]);
for ($i = 0, $j = count($explode); $i++) {
    if ($explode[$i] != "") {
        print ("<b> $explode[$i] </b>");
    }
}
?>
</td>
</tr>
<tr><td colspan = "2"><b> Peak Expiratory Flow Rate </b><br> <?php print
("%s", $row[pefr]);>
</td>
</tr>
<tr><td colspan = "2"><b> Forced Vital Capacity </b><br> <?php print
("%s", $row[fcv]);>
</td>
</tr>
<tr><td colspan = "2"><b> Forced Expiratory Volume in 1 second : </b>
<?php print ("%s", $row[fev1]);>
</td>
</tr>
<tr><td colspan = "2"><b> Doctor's Comment </b></td>
</tr>
<tr>
<td width = "10%"><b>
</td>
<td>
<?php
$notes = explode (" ", $row[doc_notes]);
for ($i = 0, $j = count($notes); $i++) {
    if ($notes[$i] != "") {
        print ("<b> $notes[$i] </b>");
    }
}
?>
</td>
</tr>
</table>

<?php
print ("<br><a href='?page=symp_measure&uname=$uname'> Back
</a><br>");
?>

<u>Aschems/reports</u>

report_checking.php

function checkData() {
    var category = (document.data.elements[category[0]] checked == true ||
    document.data.elements[category[1]] checked == true ||
    document.data.elements[category[2]] checked == true);
    if (date.from_mo.value.length == 0 || date.from_yr.value.length == 0 ||
    date.to_mo.value.length == 0 || date.to_yr.value.length == 0) {
        alert ("Please specify the date");
        return false;
    }
}

if (category == true) {
    if (month1 == parseInt(date.from_mo.value);
    var month2 = parseInt(date.to_mo.value);
    var year1 = parseInt(date.from_yr.value);
    var year2 = parseInt(date.to_yr.value);
    } else {
        alert ("Please specify the category of the report");
        return false;
    }
}

if (month1.length == 0 || year1.length == 0 || month2.length == 0 ||
year2.length == 0) {
    alert ("Please specify the date");
    return false;
}

if (year1 > year2) {
    alert ("The year from is later than year to");
    return false;
}

if (year1 == year2) {
    if (month1 > month2) {
        alert ("The month from is later than month to");
        return false;
    }
}

return true;
}

```

```

asthma_age.php

<?php
include 'connectdb.php';
$query = "SELECT patient_age, patient_enrol_date,
med_hist.asthma_type FROM patient, med_hist,
$query = " WHERE patient.patient_id=med_hist.patient_id,
$result = mysql_query($query);
$cnt = 0;
while ($row = mysql_fetch_array($result)) {
    $possibles[$cnt] = $row[0] . "T" . $row[1] . "T" . $row[2];
    $cnt++;
}
$scout = 0;
for ($i = 0; $i < $cnt; $i++) {
    $data = explode("T", $possibles[$i]);
    $sdate = explode("-", $data[1]);
    $timestamp2 = mktime(0, 0, 0, $sdate[1], $sdate[2], $sdate[0]);
    if ($timestamp2 >= $timestamp1 && $timestamp2 <= $timestamp3) {
        $stabdata[$scout] = $possibles[$i];
        $scout++;
    }
}
print ("<div class = 'text' align = 'center'><p><b> Type of Asthma vs Age
Group </b></p></div>");
if (count($stabdata) == 0) {
    print ("<b><div class = 'warning' align = 'center'> - No records
matched - </div>");
    for ($i = 0; $i < 24; $i++) {
        $entry[$i] = 0;
    }
} else {
    $matches = count($stabdata);
    print ("<b><div class = 'text' align = 'center'> - There are <font color =
'maroon'><b> $matches </b><font> record(s) that matched - </div>");
    include 'reports/table_age.php';
}

<table class = "report" width = "70%" border = "1" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "15%"><b></td>
<td width = "20%"><p><b> Intermittent </b></td>
<td width = "20%"><p><b> Mild Persistent </b></td>
<td width = "20%"><p><b> Moderate Persistent </b></td>
<td width = "20%"><p><b> Severe Persistent </b></td>
<td width = "5%"><p><b> TOTAL </b></td>
</tr>
<tr align = "center">
<td><p><b> 0 - 2 </b></td>
<?php
print ("<td align = 'center'><b> $entry[0] </b></td>");
print ("<td align = 'center'><b> $entry[6] </b></td>");
print ("<td align = 'center'><b> $entry[12] </b></td>");
print ("<td align = 'center'><b> $entry[18] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[0] + $entry[6] +
$entry[12] + $entry[18]);
?>
</tr>
<tr align = "center">
<td><p><b> 3 - 5 </b></td>
<?php
print ("<td align = 'center'><b> $entry[1] </b></td>");
print ("<td align = 'center'><b> $entry[7] </b></td>");
print ("<td align = 'center'><b> $entry[13] </b></td>");
print ("<td align = 'center'><b> $entry[19] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[1] + $entry[7] +
$entry[13] + $entry[19]);
?>
</tr>
<tr align = "center">
<td><p><b> 6 - 8 </b></td>
<?php
print ("<td align = 'center'><b> $entry[2] </b></td>");
print ("<td align = 'center'><b> $entry[8] </b></td>");
print ("<td align = 'center'><b> $entry[14] </b></td>");
print ("<td align = 'center'><b> $entry[20] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[2] + $entry[8] +
$entry[14] + $entry[20]);
?>
</tr>
<tr align = "center">
<td><p><b> 9 - 11 </b></td>
<?php
print ("<td align = 'center'><b> $entry[3] </b></td>");
print ("<td align = 'center'><b> $entry[9] </b></td>");
print ("<td align = 'center'><b> $entry[15] </b></td>");
print ("<td align = 'center'><b> $entry[21] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[3] + $entry[9] +
$entry[15] + $entry[21]);
?>
</tr>

<tr align = "center">
<td><p><b> 12 - 14 </b></td>
<?php
print ("<td align = 'center'><b> $entry[4] </b></td>");
print ("<td align = 'center'><b> $entry[10] </b></td>");
print ("<td align = 'center'><b> $entry[16] </b></td>");
print ("<td align = 'center'><b> $entry[22] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[4] + $entry[10] +
$entry[16] + $entry[22]);
?>
</tr>
<tr align = "center">
<td><p><b> 15 - 17 </b></td>
<?php
print ("<td align = 'center'><b> $entry[5] </b></td>");
print ("<td align = 'center'><b> $entry[11] </b></td>");
print ("<td align = 'center'><b> $entry[17] </b></td>");
print ("<td align = 'center'><b> $entry[23] </b></td>");
print ("<td align = 'center'><b> %s </b></td>"; $entry[5] + $entry[11] +
$entry[17] + $entry[23]);
?>
</tr>
<tr align = "center">
<td><p><b> TOTAL </b></td>
<?php
$sum1 = 0;
for ($i = 0; $i < 6; $i++) {
    $sum1 = $sum1 + $entry[$i];
}
print ("<td align = 'center'><b> $sum1 </b></td>");
$sum2 = 0;
for ($i = 6; $i < 12; $i++) {
    $sum2 = $sum2 + $entry[$i];
}
print ("<td align = 'center'><b> $sum2 </b></td>");
$sum3 = 0;
for ($i = 12; $i < 18; $i++) {
    $sum3 = $sum3 + $entry[$i];
}
print ("<td align = 'center'><b> $sum3 </b></td>");
$sum4 = 0;
for ($i = 18; $i < 24; $i++) {
    $sum4 = $sum4 + $entry[$i];
}
print ("<td align = 'center'><b> $sum4 </b></td>");
$sum = 0;
for ($i = 0; $i < 24; $i++) {
    $sum = $sum + $entry[$i];
}
print ("<td align = 'center'><b> $sum </b></td>");
?>
</tr>
</table>

<?php
if ($cnt == 2) {
    $param = "1";
    for ($i = 0; $i < 24; $i++) {
        $param = $param . $entry[$i];
        if ($i < 23) {
            $param = "&";
        }
    }
}

<script language = "JavaScript">
window.open ("<?php print ('reports/graph_age.php?Sparam'); ?>");
</script>

<?php
}
?>

asthma_age_oen_mm.php

<html>

<head>
<title> [2005] vanzon : aschoms </title>
<meta http-equiv = "Content-Type" content = "text/html; charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = ". /pagestyle.css">
</head>

<body bgcolor = "F8FFA7">

<div class = "blockhead"><div class = "maintitle" align = "center">
Asthma Prevalence </div></div>

<?php

```



```

    $b = $j + 34;
    $c = $j + 51;
    $d = $j + 68;
    $e = $j + 85;
    $p = $j + 102;
    $i = $j + 119;
    $s = $j + 136;
    $t = $j + 153;
    $u = $j + 170;
    $v = $j + 187;
    $mysum1[$cb] = $entry[$j] + $entry[$a] + $entry[$b] + $entry[$c] +
    $entry[$d] + $entry[$e] + $entry[$p] + $entry[$i] + $entry[$s] + $entry[$t] +
    $entry[$u] + $entry[$v];
    $ctr++;
  }
}
for ($i = 0, $j = 68; $i++;) {
  $param = "sum" . $i . "=$mysum1[$i]";
  if ($i < 87) {
    $param = "&";
  }
}
$param = "&";
$ctr = 68;
for ($i = 0, $j = 48; $i+=2;) {
  $k = $j + 1;
  $total = $mysum[$i] + $mysum[$k];
  $param = "sum" . $ctr . "=$total";
  if ($ctr < 91) {
    $param = "&";
  }
  $ctr++;
}
$param = "&";
$ctr = 92;
for ($i = 0, $j = 48; $i+=12;) {
  $p = $j + 2;
  $r = $j + 4;
  $s = $j + 6;
  $t = $j + 8;
  $u = $j + 10;
  $total = $mysum[$i] + $mysum[$p] + $mysum[$r] + $mysum[$s] +
  $mysum[$t] + $mysum[$u];
  $param = "sum" . $ctr . "=$total";
  $param = "&";
  $ctr++;
  $a = $i + 1;
  $b = $i + 3;
  $c = $i + 5;
  $d = $i + 7;
  $e = $i + 9;
  $f = $i + 11;
  $total = $mysum[$a] + $mysum[$b] + $mysum[$c] + $mysum[$d] +
  $mysum[$e] + $mysum[$f];
  $param = "sum" . $ctr . "=$total";
  if ($ctr < 99) {
    $param = "&";
  }
  $ctr++;
}
}
<script language = "JavaScript">
window.open ("<?php print ("graph_age_gen_mm.php?&param"; ">");
</script>

<?php
)
}
}

asthma_age_gen_mm.php

<?php
include 'connectdb.php';
$query = "SELECT patient.pcity, patient.enrol_date, patient.age,
med_hist.asthma_type FROM patient, med_hist";
$query = "WHERE patient.patient_id=med_hist.patient_id";
$result = mysql_query ($query);
$ctr = 0;
while ($row = mysql_fetch_array ($result)) {
  $possibles[$ctr] = $row[0] . " T. " . $row[1] . " T. " . $row[2] . " T. " . $row[3] . " T. " . $row[4];
  $ctr++;
}
$count = 0;
for ($i = 0, $j = $ctr; $i++;) {
  $data = explode ("T", $possibles[$i]);
  $date = explode ("T", $data[1]);
  $timestamp2 = mktime (0, 0, 0, $data[1], $data[2], $data[3]);
  if ($timestamp2 == $timestamp1 && $timestamp2 == $timestamp3) {
    $tabledata[$count] = $possibles[$i];
    $count++;
  }
}

```

```

}
}
print ("<br><br><div class = 'text' align = 'center'><p><b> Type of
Asthma vs Age Group and Location (Metro Manila) </b></p></div><br>");
if (count($tabledata) == 0) {
  print ("<div class = 'warning' align = 'center'> No records matched -
</div>");
  for ($i = 0, $j = 68; $i++;) {
    $entry[$i] = 0;
  }
}
} else {
  $matches = count($tabledata);
  print ("<div class = 'text' align = 'center'> There are <font color =
'maroon'><b> $matches </b></font> record(s) that matched - </div>");
  include 'reportstable_age_gen_mm.php';
}
}

<table class = "report" width = "90%" border = "1" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td width = "50%"><div>
<div width = "10%" colspan = "6"><p><b> Intermittent </b></div>
<div width = "10%" colspan = "6"><p><b> Mild Persistent </b></div>
<div width = "10%" colspan = "6"><p><b> Moderate Persistent </b></div>
<div width = "10%" colspan = "6"><p><b> Severe Persistent </b></div>
<div width = "10%" colspan = "6"><p><b> TOTAL </b></div>
</div>
<tr align = "center">
<td width = "100%"><div>
<?php
  for ($i = 0, $j = 5; $i++;) {
    print ("<div><p><b> A </b></div>");
    print ("<div><p><b> B </b></div>");
    print ("<div><p><b> C </b></div>");
    print ("<div><p><b> D </b></div>");
    print ("<div><p><b> E </b></div>");
    print ("<div><p><b> F </b></div>");
  }
}
</tr>
<?php
$sebmemo = array ("Ca", "Va", "Ma", "Na", "Mi", "OC", "Mo", "S",
"Ma", "Pa", "Pa", "Mk", "Pa", "Tag", "Pue", "LP", "Mun");
for ($sm = 0, $m = 17; $m++;) {
  print ("<tr align = 'center'><td><p><b> $sebmemo[$m] </b></td>");
  $total1 = 0;
  $total2 = 0;
  $total3 = 0;
  $total4 = 0;
  $total5 = 0;
  $total6 = 0;
  for ($i = $m; $i < 408; $i+=17) {
    print ("<td align = 'center'><b> $entry[$i] </b></td>");
    if ($i % 102 == 0) { $total1 = $total1 + $entry[$i] }
    else if ($i % 102 == $m+17) { $total2 = $total2 + $entry[$i] }
    else if ($i % 102 == $m+34) { $total3 = $total3 + $entry[$i] }
    else if ($i % 102 == $m+51) { $total4 = $total4 + $entry[$i] }
    else if ($i % 102 == $m+68) { $total5 = $total5 + $entry[$i] }
    else if ($i % 102 == $m+85) { $total6 = $total6 + $entry[$i] }
  }
  print ("<td align = 'center'><b> $total1 </b></td>");
  print ("<td align = 'center'><b> $total2 </b></td>");
  print ("<td align = 'center'><b> $total3 </b></td>");
  print ("<td align = 'center'><b> $total4 </b></td>");
  print ("<td align = 'center'><b> $total5 </b></td>");
  print ("<td align = 'center'><b> $total6 </b></td>");
  print ("</tr>");
}
}
<tr align = "center">
<td><p><b> TOTAL </b></td>
<?php
  for ($sm = 0; $m = 24; $m++;) {
    $mysum[$i] = 0;
  }
  $ctr = 0;
  for ($i = 0, $j = 408; $i+=17;) {
    for ($k = $i; $k < $i+17; $k++;) {
      $mysum[$ctr] = $mysum[$ctr] + $entry[$k];
    }
    print ("<td align = 'center'><b> $mysum[$ctr] </b></td>");
    $ctr++;
  }
  for ($i = 0, $j = 8; $i++;) {
    $j = $i + 6;
    $k = $i + 12;
    $l = $i + 18;
    print ("<td align = 'center'><b> %a </b></td>"); $mysum[$i] +
    $mysum[$j] + $mysum[$k] + $mysum[$l];
  }
}
</tr>
</table><br>

```



```

print ("<td align = 'center'><b> Sentry[1] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> Sentry[7] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[1] + Sentry[3] +
Sentry[5] + Sentry[7]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> TOTAL </b></td>
</tr>
<?php
print ("<td align = 'center'><b> %s </b></td>". Sentry[0] + Sentry[1]).
print ("<td align = 'center'><b> %s </b></td>". Sentry[2] + Sentry[3]).
print ("<td align = 'center'><b> %s </b></td>". Sentry[4] + Sentry[5]).
print ("<td align = 'center'><b> %s </b></td>". Sentry[6] + Sentry[7]).
$sum = 0;
for ($i = 0; $i < 8; $i++) {
    $sum = $sum + Sentry[$i];
}
print ("<td align = 'center'><b> $sum </b></td>").
?>
</tr>
</table><br><br>
<?php
if ($cat == 1) {
    $param = "";
    for ($i = 0; $i < 8; $i++) {
        $param = "sum" . $i . "Sentry[$i]";
        if ($i % 7) { $param = "&"; }
    }
}

<script language = "JavaScript">
window.open ("<?php print ('reports/graph_gender.php?Sparam' . ?>").
</script>

<?php
}
?>

```

asthma_mm.php

```

<?php
include 'connectdb.php';
$query = "SELECT patient_pcity, patient_enrol_date,
med_hist_asthma_type FROM patient_med_hist";
$query = "WHERE patient_patient_id=med_hist_patient_id";
$result = mysql_query($query);
$rows = 0;
while ($row = mysql_fetch_array($result)) {
    $possibilities[$rows] = $row[0] . "T" . $row[1] . "T" . $row[2];
    $rows++;
}
$counts = 0;
for ($i = 0; $i < $rows; $i++) {
    $sdata = explode ("T", $possibilities[$i]);
    $sdate = explode ("T", $sdata[1]);
    $timestamp2 = mktime (0, 0, 0, $sdate[1], $sdate[2], $sdate[0]);
    if ($timestamp2 >= $timestamp1 && $timestamp2 <= $timestamp3) {
        $stabledata[$counts] = $possibilities[$i];
        $counts++;
    }
}
print ("<b><div class = 'text' align = 'center'><u><b> Type of Asthma vs
Location (Metro Manila) </b></u></div><br>");
if (count($stabledata) == 0) {
    print ("<div class = 'warning' align = 'center'> - No records matched -
</div>");
    for ($i = 0; $i < 68; $i++) {
        Sentry[$i] = 0;
    }
} else {
    $matches = count($stabledata);
    print ("<div class = 'text' align = 'center'> - There are <font color =
'muon'><b> $matches </b></font> record(s) that matched - </div>");
    include 'reports/table_mm.php';
}
?>

```

```

<table class = "report" width = "100%" border = "1" cellpadding = "1">
<tr align = 'center'>
<td width = "25%"><b>
<td width = "18%"><p><b> Interimittent </b></td>
<td width = "18%"><p><b> Mild Persistent </b></td>
<td width = "18%"><p><b> Moderate Persistent </b></td>
<td width = "18%"><p><b> Severe Persistent </b></td>
<td width = "18%"><p><b> TOTAL </b></td>
</tr>
<tr align = 'center'>
<td><p><b> Calocan City </b></td>
</tr>
</table>

```

```

print ("<td align = 'center'><b> Sentry[0] </b></td>").
print ("<td align = 'center'><b> Sentry[1] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[0] + Sentry[1] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Valenzuela </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[1] </b></td>").
print ("<td align = 'center'><b> Sentry[1] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[1] + Sentry[1] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Malabon </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[1] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[2] + Sentry[1] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Navotas </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[3] + Sentry[2] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Manila City </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[4] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[4] + Sentry[2] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Quezon City </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[5] + Sentry[2] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Mankina City </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[6] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[3] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[6] + Sentry[2] +
Sentry[3] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> San Juan </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[7] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[4] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[7] + Sentry[2] +
Sentry[4] + Sentry[5]).
?>
</tr>
<tr align = 'center'>
<td> <p><b> Mandaluyong City </b></td>
</tr>
<?php
print ("<td align = 'center'><b> Sentry[8] </b></td>").
print ("<td align = 'center'><b> Sentry[2] </b></td>").
print ("<td align = 'center'><b> Sentry[4] </b></td>").
print ("<td align = 'center'><b> Sentry[5] </b></td>").
print ("<td align = 'center'><b> %s </b></td>". Sentry[8] + Sentry[2] +
Sentry[4] + Sentry[5]).
?>
</tr>

```

```

        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[8] + Sentry[25] +
Sentry[42] + Sentry[50]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Pasig City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[9] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[26] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[43] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[60] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[9] + Sentry[26] +
Sentry[43] + Sentry[60]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Pasay City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[10] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[27] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[44] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[61] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[10] + Sentry[27]
+ Sentry[44] + Sentry[61]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Makati City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[11] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[28] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[45] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[62] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[11] + Sentry[28]
+ Sentry[45] + Sentry[62]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Palerona </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[12] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[29] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[46] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[63] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[12] + Sentry[29]
+ Sentry[46] + Sentry[63]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Taguig </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[13] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[30] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[47] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[64] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[13] + Sentry[30]
+ Sentry[47] + Sentry[64]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Parañaque City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[14] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[31] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[48] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[65] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[14] + Sentry[31]
+ Sentry[48] + Sentry[65]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Las Pinas City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[15] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[32] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[49] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[66] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[15] + Sentry[32]
+ Sentry[49] + Sentry[66]);
    }
    </tr>
    <tr align = 'center'>
    <td> <p><b> Muntinlupa City </b> </td>
    <?php
        pnnid ("<td align = 'center'><b> Sentry[16] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[33] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[50] </b></td>");
        pnnid ("<td align = 'center'><b> Sentry[67] </b></td>");
        pnnid ("<td align = 'center'><b> %s </b></td>" Sentry[16] + Sentry[33]
+ Sentry[50] + Sentry[67]);
    }
    </tr>
    <tr align = 'center'>

```

```

    <td> <p><b> TOTAL </b> </td>
    <?php
        $sum1 = 0;
        for ($i = 0; $i < 17; $i++) {
            $sum1 = $sum1 + Sentry[$i];
        }
        pnnid ("<td align = 'center'><b> $sum1 </b></td>");
        $sum2 = 0;
        for ($i = 17; $i < 34; $i++) {
            $sum2 = $sum2 + Sentry[$i];
        }
        pnnid ("<td align = 'center'><b> $sum2 </b></td>");
        $sum3 = 0;
        for ($i = 34; $i < 51; $i++) {
            $sum3 = $sum3 + Sentry[$i];
        }
        pnnid ("<td align = 'center'><b> $sum3 </b></td>");
        $sum4 = 0;
        for ($i = 51; $i < 68; $i++) {
            $sum4 = $sum4 + Sentry[$i];
        }
        pnnid ("<td align = 'center'><b> $sum4 </b></td>");
        $sum = 0;
        for ($i = 0; $i < 68; $i++) {
            $sum = $sum + Sentry[$i];
        }
        pnnid ("<td align = 'center'><b> $sum </b></td>");
    }
    </tr>
    </table>

    <?php
    if ($cat == 3) {
        $param = "";
        for ($i = 0; $i < 68; $i++) {
            $param = $param . $i . Sentry[$i];
            if ($i < 67) {
                $param = "&";
            }
        }
    }

    <script language = "JavaScript">
    window.open ("<?php pnnid ('reports/graph_mmm.php?&param' . ?>");
    </script>

    <?php
    }
    </tr>

    generate php

    <div class = "blockhead">
    <div class = "mainbody"> Asthma Prevalence </div>
    </div>

    <?php
    $months = array ("", "January", "February", "March", "April", "May",
    "June", "July", "August", "September", "October", "November",
    "December");
    if ($from_yr < $to_yr) {
        pnnid ("<div class = 'text' align = 'center'><b> $months[$from_mo]
$from_yr - $months[$to_mo] $to_yr </b></div>");
    } else {
        if ($from_mo == $to_mo) {
            pnnid ("<div class = 'text' align = 'center'><b> $months[$from_mo]
$from_yr </b></div>");
        } else {
            pnnid ("<div class = 'text' align = 'center'><b> $months[$from_mo]
$from_yr - $months[$to_mo] $to_yr </b></div>");
        }
    }
    $timestamp1 = mktime (0, 0, 0, $from_mo, 1, $from_yr);
    $timestamp3 = mktime (0, 0, 0, $to_mo, 31, $to_yr);
    if ($category[0] == 1 && $category[1] && $category[2]) {
        $cat = 1;
        include 'reports/asthma_gender.php';
    } else if ($category[1] == 1 && $category[2] && $category[0]) {
        $cat = 2;
        include 'reports/asthma_age.php';
    } else if ($category[2] == 1 && $category[0] && $category[1]) {
        $cat = 3;
        include 'reports/asthma_mmm.php';
    } else if ($category[0] && $category[1] && $category[2]) {
        $cat = 4;
        include 'reports/asthma_gender.php';
        include 'reports/asthma_age.php';
        include 'reports/asthma_gen_age.php';
    } else if ($category[0] && $category[2] && $category[1]) {
        $cat = 5;
        include 'reports/asthma_gender.php';
        include 'reports/asthma_mmm.php';
    }

```

```

include 'reports/asthma_gen_mm.php';
} else if ($category[1] && $category[2] && $category[0]){
    $cat = 6;
    include 'reports/asthma_age.php';
    include 'reports/asthma_mm.php';
    include 'reports/asthma_age_mm.php';
} else if ($category[0] && $category[1] && $category[2]){
    $cat = 7;
    include 'reports/asthma_gender.php';
    include 'reports/asthma_age.php';
    include 'reports/asthma_mm.php';
    $param =
    "cat=$cat&stimestamp1=$stimestamp1&stimestamp2=$stimestamp2&stimestamp3=$stimestamp3&from_mo=
    $from_mo&from_yr=$from_yr&to_mo=$to_mo&to_yr=$to_yr";
}

```

```

<div class = "text" align = "center"> <p><b> Refer to the new window for
the summary table of the <br>
Type of Asthma vs Gender, Age, and Location [Metro Manila]
</div><br>

```

```

<script language = "JavaScript">
window.open ("?<?php print
('reports/asthma_age_gen_mm.php?&param'). ">");
</script>

```

```

?>php
print ("<br><a href=javascript:history.back()> Back </a><br><br>");
?>

```

graph_age.php

```

<?php
$param =
"sum0=$sum0&sum1=$sum1&sum2=$sum2&sum3=$sum3&sum4=$sum4&sum5=$sum5";
$param =
"$sum6=$sum6&sum7=$sum7&sum8=$sum8&sum9=$sum9&sum10=$sum10&sum11=$sum11";
$param =
"$sum12=$sum12&sum13=$sum13&sum14=$sum14&sum15=$sum15&sum16=$sum16&sum17=$sum17";
$param =
"$sum18=$sum18&sum19=$sum19&sum20=$sum20&sum21=$sum21&sum22=$sum22&sum23=$sum23";
?>

```

<html>

```

<head>
<title> [2005] Vianzon : aschoms </title>
<meta http-equiv = "Content-Type" content = "text/html, charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = " /pagestyle.css">
</head>

```

```

<body bgcolor = "FFB9E7">
<br>
<table width = "80%" border = "0" cellspacing = "0" cellpadding = "0"
align = "center" bgcolor = "FFBFA7">
<br>
<td colspan = "2">
<center><div class = "biochead"><div class = "mainbde"> Asthma
Prevalence </center></div></div>
</td>
</tr>

```

```

<tr> <center><img src = "graph_age1.php?<?php print ($param).
?></img> <center> </td>

```

```

<td colspan = "2" align = "center" class = "footer">
<br> Cheza Mane R Vianzon Special Problem . Copyright 2005 .
University of the Philippines Manila </br>
</td>
</tr>
</table>

```

</html>

graph_age1.php

```

<?php
require_once(' /ChartDirector/lib/phpchartdir.php');

```

```

#The data for the bar chart
$data0 = array($sum0, $sum1, $sum2, $sum3, $sum4, $sum5);
$data1 = array($sum6, $sum7, $sum8, $sum9, $sum10, $sum11);
$data2 = array($sum12, $sum13, $sum14, $sum15, $sum16, $sum17);
$data3 = array($sum18, $sum19, $sum20, $sum21, $sum22, $sum23);
$labels = array("0 - 2", "3 - 5", "6 - 8", "9 - 11", "12 - 14", "15 - 17");

```

```

#Create a XYChart object of size 700 x 400 pixels
$C = new XYChart(700, 400, 0xFFBFA7, -1, 2);

```

```

#Add a title to the chart using 14 pts Arial Bold Italic font
$C->addTitle("Type of Asthma vs Age Group", "arial", 14);

```

```

#Set the plot area at (50, 50) and of size 600 x 290. Use two alternative
$C->setPlotArea(50, 60, 600, 290);

```

```

#Add a legend box at (50, 25) using horizontal layout. Use 11pts Arial as
font.
#With transparent background
$legendObj = $C->addLegend(50, 25, false, "arial", 11);
$legendObj->setBackground(Transparent);

```

```

#Set the x axis labels
$mylabel = $C->xAxis->setLabels($labels);
$mylabel->setFontSize(11);

```

```

#Draw the ticks between label positions (instead of at label positions)
$C->xAxis->setTickOffset(0.5);

```

```

#Add a multi-bar layer with 3 data sets and 9 pixels 3D depth
$layer = $C->addBarLayer(2, $C);
$layer->addDataSet($data0, 0xFFBFA7, "Intermittent");
$layer->addDataSet($data1, 0x80FF80, "Mild Persistent");
$layer->addDataSet($data2, 0x8080FF, "Moderate Persistent");
$layer->addDataSet($data3, 0xFF80FF, "Severe Persistent");

```

```

#Set 50% overlap between bars
$layer->setOverlapRatio(0.3);

```

```

#Output the chart
header("Content-type: image/png");
print($C->makeChart2(PNG));
?>

```

graph_age_gen_mm.php

```

<?php
$param1 =
"sum0=$sum0&sum1=$sum1&sum2=$sum2&sum3=$sum3&sum4=$sum4&sum5=$sum5";
$param1 =
"$sum6=$sum6&sum7=$sum7&sum8=$sum8&sum9=$sum9&sum10=$sum10&sum11=$sum11";
$param1 =
"$sum12=$sum12&sum13=$sum13&sum14=$sum14&sum15=$sum15&sum16=$sum16&sum17=$sum17";
$param1 =
"$sum18=$sum18&sum19=$sum19&sum20=$sum20&sum21=$sum21&sum22=$sum22&sum23=$sum23";
$param1 =
"$sum24=$sum24&sum25=$sum25&sum26=$sum26&sum27=$sum27&sum28=$sum28&sum29=$sum29";
$param1 =
"$sum30=$sum30&sum31=$sum31&sum32=$sum32&sum33=$sum33&sum34=$sum34&sum35=$sum35";
$param1 =
"$sum36=$sum36&sum37=$sum37&sum38=$sum38&sum39=$sum39&sum40=$sum40&sum41=$sum41";
$param1 =
"$sum42=$sum42&sum43=$sum43&sum44=$sum44&sum45=$sum45&sum46=$sum46&sum47=$sum47";
$param1 =
"$sum48=$sum48&sum49=$sum49&sum50=$sum50&sum51=$sum51&sum52=$sum52&sum53=$sum53";
$param1 =
"$sum54=$sum54&sum55=$sum55&sum56=$sum56&sum57=$sum57&sum58=$sum58&sum59=$sum59";
$param1 =
"$sum60=$sum60&sum61=$sum61&sum62=$sum62&sum63=$sum63&sum64=$sum64&sum65=$sum65";
$param1 =
"$sum66=$sum66&sum67=$sum67";

```

```

$param2 =
"sum0=$sum68&sum1=$sum69&sum2=$sum70&sum3=$sum71&sum4=$sum72&sum5=$sum73";
$param2 =
"$sum74=$sum74&sum75=$sum75&sum76=$sum76&sum77=$sum77&sum78=$sum78&sum79=$sum79";
$param2 =
"$sum80=$sum80&sum81=$sum81&sum82=$sum82&sum83=$sum83&sum84=$sum84&sum85=$sum85";
$param2 =
"$sum86=$sum86&sum87=$sum87&sum88=$sum88&sum89=$sum89&sum90=$sum90&sum91=$sum91";

```

```

$param3 =
"sum0=$sum92&sum1=$sum93&sum2=$sum94&sum3=$sum95&sum4=$sum96&sum5=$sum97&sum6=$sum98&sum7=$sum99";

```

?>


```

<option value = "> ... </option>
<?php
    for ($i = 2004; $i <= date("Y"); $i++) {
        print ("<option value = \"$i\"> $i");
    }
}
</select>
</td>
</tr>
</tr>
<td> &nbsp;   </td>
<td colspan = "2">
<br>
<input class = "input" type = "checkbox" name = "category[0]" value =
"1"> By Gender <br>
<input class = "input" type = "checkbox" name = "category[1]" value =
"1"> By Age Group <br>
<input class = "input" type = "checkbox" name = "category[2]" value =
"1"> By Location (Metro Manila)
</td>
</tr>
<tr align = "center">
<td colspan = "3">
<input class = "button" type = "submit" name = "generate" value =
"Generate Report">
</td>
</tr>
</form>
table_age.php
<?php
for ($i = 0; $i < 24; $i++) {
    Sentry[$i] = 0;
}

for ($i = 0; $i < Scount; $i++) {
    $mydata = explode ("T", $tblbdata[$i]);
    if ($mydata[2] == "Intermittent") {
        for ($j = 0; $j < 6; $j++) {
            if ($j == 0) {
                if ($mydata[0] >= 0 && $mydata[0] <= 2) {
                    Sentry[$j]++;
                }
            }
            if ($j > 0) {
                $lbound = 2 * ($j - 6) + $j;
                $ubound = $lbound + 2;
                if ($mydata[0] >= $lbound && $mydata[0] <= $ubound) {
                    Sentry[$j]++;
                }
            }
        }
    } else if ($mydata[2] == "Mild Persistent") {
        for ($j = 6; $j < 12; $j++) {
            if ($j == 0) {
                if ($mydata[0] >= 0 && $mydata[0] <= 2) {
                    Sentry[$j]++;
                }
            }
            if ($j > 0) {
                $lbound = 2 * ($j - 6) + ($j - 6);
                $ubound = $lbound + 2;
                if ($mydata[0] >= $lbound && $mydata[0] <= $ubound) {
                    Sentry[$j]++;
                }
            }
        }
        $ctr++;
    } else if ($mydata[2] == "Moderate Persistent") {
        for ($j = 12; $j < 18; $j++) {
            if ($j == 0) {
                if ($mydata[0] >= 0 && $mydata[0] <= 2) {
                    Sentry[$j]++;
                }
            }
            if ($j > 0) {
                $lbound = 2 * ($j - 12) + ($j - 12);
                $ubound = $lbound + 2;
                if ($mydata[0] >= $lbound && $mydata[0] <= $ubound) {
                    Sentry[$j]++;
                }
            }
        }
        $ctr++;
    }
}
} else {
    for ($i = 18; $i < 24; $i++) {
        if ($j == 0) {
            if ($mydata[0] >= 0 && $mydata[0] <= 2) {
                Sentry[$i]++;
            }
        }
        if ($j > 0) {

```

```

        $lbound = 2 * ($j - 18) + ($j - 18);
        $ubound = $lbound + 2;
        if ($mydata[0] >= $lbound && $mydata[0] <= $ubound) {
            Sentry[$i]++;
        }
    }
    $ctr++;
}
}
table_age_gen_mm.php
<?php
for ($i = 0; $i < 816; $i++) {
    Sentry[$i] = 0;
}

$sebmetro = array ("Caloocan", "Valenzuela", "Malabon", "Navotas",
"Manila", "Quezon City", "Mankina", "San Juan", "Mandaluyong", "Pasig",
"Pasay", "Makair", "Pateros", "Taguig", "Paranaque", "Las Pias",
"Marunupa");
for ($i = 0; $i < Scount; $i++) {
    $mydata = explode ("T", $tblbdata[$i]);
    if ($mydata[2] == "Intermittent") {
        if ($mydata[3] >= 0 && $mydata[2] <= 2) {
            if ($mydata[3] == "M") {
                for ($j = 0; $j < 17; $j++) {
                    if ($mydata[0] == $sebmetro[$j]) {
                        Sentry[$j]++;
                    }
                }
            } else {
                for ($j = 17; $j < 34; $j++) {
                    $sk = $j - 17;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            }
        } else if ($mydata[2] >= 3 && $mydata[2] <= 5) {
            if ($mydata[3] == "M") {
                for ($j = 34; $j < 51; $j++) {
                    $sk = $j - 34;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            } else {
                for ($j = 51; $j < 68; $j++) {
                    $sk = $j - 51;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            }
        } else if ($mydata[2] >= 6 && $mydata[2] <= 8) {
            if ($mydata[3] == "M") {
                for ($j = 68; $j < 85; $j++) {
                    $sk = $j - 68;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            } else {
                for ($j = 85; $j < 102; $j++) {
                    $sk = $j - 85;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            }
        } else if ($mydata[2] >= 9 && $mydata[2] <= 11) {
            if ($mydata[3] == "M") {
                for ($j = 102; $j < 119; $j++) {
                    $sk = $j - 102;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            } else {
                for ($j = 119; $j < 136; $j++) {
                    $sk = $j - 119;
                    if ($mydata[0] == $sebmetro[$sk]) {
                        Sentry[$j]++;
                    }
                }
            }
        } else if ($mydata[2] >= 12 && $mydata[2] <= 14) {
            if ($mydata[3] == "M") {
                for ($j = 136; $j < 153; $j++) {

```



```

        SENTRY[$j]++;
    }
} else if ($Smydata[3] == "Mild Persistent") {
    for ($j = 170; $j < 187; $j++) {
        $Sk = $j - 170;
        if ($Smydata[0] == $Ssetmetro[$Sk]) {
            SENTRY[$j]++;
        }
    }
} else if ($Smydata[3] == "Moderate Persistent") {
    for ($j = 272; $j < 289; $j++) {
        $Sk = $j - 272;
        if ($Smydata[0] == $Ssetmetro[$Sk]) {
            SENTRY[$j]++;
        }
    }
} else {
    for ($j = 374; $j < 391; $j++) {
        $Sk = $j - 374;
        if ($Smydata[0] == $Ssetmetro[$Sk]) {
            SENTRY[$j]++;
        }
    }
}
} else {
    if ($Smydata[3] == "Intermittent") {
        for ($j = 85; $j < 102; $j++) {
            $Sk = $j - 85;
            if ($Smydata[0] == $Ssetmetro[$Sk]) {
                SENTRY[$j]++;
            }
        }
    } else if ($Smydata[3] == "Mild Persistent") {
        for ($j = 187; $j < 204; $j++) {
            $Sk = $j - 187;
            if ($Smydata[0] == $Ssetmetro[$Sk]) {
                SENTRY[$j]++;
            }
        }
    } else if ($Smydata[3] == "Moderate Persistent") {
        for ($j = 289; $j < 306; $j++) {
            $Sk = $j - 289;
            if ($Smydata[0] == $Ssetmetro[$Sk]) {
                SENTRY[$j]++;
            }
        }
    } else {
        for ($j = 391; $j < 408; $j++) {
            $Sk = $j - 391;
            if ($Smydata[0] == $Ssetmetro[$Sk]) {
                SENTRY[$j]++;
            }
        }
    }
}
}
}
}
}

table_gen_ago.php

<?php
for ($Si = 0; $Si < 48; $Si++) {
    SENTRY[$Si] = 0;
}

for ($Sk = 0; $Sk < $count; $Sk++) {
    $Smydata = explode("T", $Stabledata[$Sk]);
    if ($Smydata[2] == "MT") {
        if ($Smydata[3] == "Intermittent") {
            for ($Sj = 0; $Sj < 6; $Sj++) {
                if ($Sj == 0) {
                    if ($Smydata[0] >= 0 && $Smydata[0] <= 2) {
                        SENTRY[$Sj]++;
                    }
                }
                if ($Sj > 0) {
                    $lbound = 2 * $Sj + $Si;
                    $ubound = $lbound + 2;
                    if ($Smydata[0] >= $lbound && $Smydata[0] <= $ubound) {
                        SENTRY[$Sj]++;
                    }
                }
            }
        }
    } else if ($Smydata[3] == "Mild Persistent") {
        for ($Sj = 12; $Sj < 18; $Sj++) {
            $Si = $j - 12;
            if ($Si == 0) {
                if ($Smydata[0] >= 0 && $Smydata[0] <= 2) {
                    SENTRY[$Si]++;
                }
            }
            if ($Si > 0) {

```



```

print("<div class = 'blockhead'><div class = 'mainittle'> Edit Account
</div></div>");
if ($untype == 2 && $status == 'I') {
    $query1 = "SELECT patient_id, doctor_id, temp_doctor, transfer FROM
    patient WHERE doctor_id='Sacct'";
    $result1 = mysql_query($query1);
    $ctr = 0;
    if ($result1) {
        while ($myrow = mysql_fetch_array($result1)) {
            if ($myrow[0] != "") {
                $ctr++;
            }
        }
    }
    if ($ctr != 0) {
        print("<br><div class = 'text'> You are deactivating a doctor with <br>
        </div></div><br>");
        $query = "SELECT relieve FROM doctor WHERE doctor_id='Sacct'";
        $result = mysql_query($query);
        if ($result) {
            $row = mysql_fetch_array($result);
            $query = "UPDATE account SET status='Sstatus' WHERE
            username='Sacct'";
            $result = mysql_query($query);
            $reliever = $row[0];
            $result1 = mysql_query($query1);
            while ($myrow = mysql_fetch_array($result1)) {
                $patient = $myrow[0];
                $doctor_id = $myrow[1];
                $temp_doctor = $myrow[2];
                $transfer = $myrow[3];
                if ($transfer == 'N') {
                    $query = "UPDATE patient SET doctor_id=$reliever,
                    temp_doctor='Sacct', transfer='Y' WHERE patient_id=$patient AND
                    transfer='N'";
                    $result = mysql_query($query);
                } else {
                    $query = "UPDATE patient SET doctor_id=$temp_doctor,
                    temp_doctor=$doctor_id, transfer='N' WHERE patient_id=$patient AND
                    transfer='Y'";
                    $result = mysql_query($query);
                }
            }
            if ($result) {
                print("<div class = 'text'> The patients will be temporarily handled
                by <br> $reliever </div></div><br><br>");
                print("<div class = 'warning'> The account has been successfully
                modified </div>");
            }
        } else {
            $query = "UPDATE account SET status='Sstatus' WHERE
            username='Sacct'";
            $result = mysql_query($query);
            if ($result) {
                print("<div class = 'warning'> The account has been successfully
                modified </div>");
            }
        }
    } else if ($untype == 2 && $status == 'A') {
        $query1 = "SELECT patient_id FROM patient WHERE
        temp_doctor='Sacct' AND transfer='Y'";
        $result1 = mysql_query($query1);
        $ctr = 0;
        if ($result1) {
            while ($myrow = mysql_fetch_array($result1)) {
                if ($myrow[0] != "") {
                    $ctr++;
                }
            }
        }
        if ($ctr != 0) {
            print("<br><div class = 'text'> You are activating a doctor with <br>
            </div></div><br>");
            $query = "SELECT relieve FROM doctor WHERE doctor_id='Sacct'";
            $result = mysql_query($query);
            if ($result) {
                $row = mysql_fetch_array($result);
                $query = "UPDATE account SET status='Sstatus' WHERE
                username='Sacct'";
                $result = mysql_query($query);
                $reliever = $row[0];
                $result1 = mysql_query($query1);
                while ($myrow = mysql_fetch_array($result1)) {
                    $patient = $myrow[0];
                    $query = "UPDATE patient SET doctor_id='Sacct',
                    temp_doctor=$reliever, transfer='N' WHERE patient_id=$patient";
                    $result = mysql_query($query);
                }
            }
            if ($result) {
                print("<div class = 'warning'> The account has been successfully
                modified </div>");
            }
        }
    }
}

```

```

}
} else {
    $query = "UPDATE account SET status='Sstatus' WHERE
    username='Sacct'";
    $result = mysql_query($query);
    if ($result) {
        print("<div class = 'warning'> The account has been successfully
        modified </div>");
    }
} else {
    $query = "UPDATE account SET status='Sstatus' WHERE
    username='Sacct'";
    $result = mysql_query($query);
    if ($result) {
        print("<div class = 'warning'> The account has been successfully
        modified </div>");
    }
}
print("<a href='?page=view_account&uname=$uname'> Back </a>");
?>

```

file_upload.php

```

<script language = 'JavaScript'>
function checkFile() {
    if (upload_iaso_file.value.length == 0 || upload_iaso_type.value.length ==
    0 || upload_iaso_title.value.length == 0 || upload_iaso_body.value.length ==
    0) {
        alert("Please enter the file information");
        return false;
    }
    return true;
}
</script>

<div class = 'blockhead'>
<div class = 'mainittle'> Upload IASO File </div>
</div><br>

<center>
<div class = 'Text'> Upload an IASO file to the database </div><br><br>

<form name = "upload" method = "post" action =
"?page=upload&uname=?php print($uname); ?>" enctype =
"multipart/form-data" onsubmit = "return checkFile()">
<table class = "form" width = "60%" border = "0" cellspacing = "1"
cellpadding = "3">
<tr>
<td><br> File </td></td>
<td><input class = "input" type = "file" name = "iaso_file" size =
"30"></td>
</tr>
<tr>
<td><br> Type </td></td>
<td>
<select class = "input" name = "iaso_type">
<option value = "> ... Select IASO Type ... </option>
<option value = "I"> Information </option>
<option value = "A"> Activity </option>
<option value = "S"> Service </option>
<option value = "O"> Organization </option>
</select>
</td>
</tr>
<tr>
<td><br> Title </td></td>
<td><input class = "input" type = "text" name = "iaso_title" maxlength =
"200" size = "45"></td>
</tr>
<tr>
<td><br> Description </td></td>
<td><div><div class = "input" name = "iaso_body" cols = "35" rows =
"5"></div></div></td>
</tr>
<tr>
<td><br> </td></td>
<td><div><div class = "button" type = "submit" value = "Upload"></div>
</div>
</td>
</tr>
</table>
</form>
</center>

system.php

<div class = 'blockhead'> Welcome <?php print($uname); ?> </div>

<div class = 'blockbody'>

<div class = 'menuusep'> Account Management </div>
<ul class = 'leftmenu'>

```

```

<li><a href = "?page=view_account&uname=?php print ('Surname');
?>> Update User Account </a></li>
</ul>

<div class = "menusep"> Content Management </div>
<ul class = "leftmenu">
<li><a href = "?page=file_upload&uname=?php print ('Surname'); ?>>
Upload IASO File </a></li>
<li><a href = "?page=view_act&uname=?php print ('Surname'); ?>>
Update Activities </a></li>
<li><a href = "?page=view_serv&uname=?php print ('Surname'); ?>>
Update Services </a></li>
<li><a href = "?page=view_info&uname=?php print ('Surname'); ?>>
Update Information </a></li>
<li><a href = "?page=view_org&uname=?php print ('Surname'); ?>>
Update Organizations </a></li>
</ul>

<div class = "menusep"> Your Account </div>
<ul class = "leftmenu">
<li><a href = "?page=change_pass&uname=?php print ('Surname');
?>> Change Password </a></li>
<li><a href = "?page=priv_msg&uname=?php print ('Surname'); ?>>
Private Messages </a></li>
<li><a href = "?page=bulletin&uname=?php print ('Surname'); ?>>
Bulletin Board </a></li>
</ul>
<br><a href = "logout.php" Logout </a><br>
</div>

<table border = "0" align = "center">
<tr>
<td align = "center"><a href = "?uname=?php print ('Surname');
?>> <img src = "images/home.gif" border = "0"></img></a></td>
</tr>
</table><br>

sysright.php

<img src = "images/banner2.gif"></img>

<?php
switch ($page) {
case 'faq'
include 'iaso/faq.php';
break;
case 'info'
include 'iaso/info.php';
break;
case 'act'
include 'iaso/activities.php';
break;
case 'serv'
include 'iaso/services.php';
break;
case 'org'
include 'iaso/orgs.php';
break;
case 'load_file'
include 'iaso/load_file.php';
break;
case 'report'
include 'reports/report.php';
break;
case 'generale'
include 'reports/generale.php';
break;
case 'view_account'
include 'sysad/view_account.php';
break;
case 'update_account'
include 'sysad/update_account.php';
break;
case 'add_account'
include 'sysad/add_account.php';
break;
case 'update_gen_info'
include 'doctors/update_gen_info.php';
break;
case 'edit_account'
include 'sysad/edit_account.php';
break;
case 'edit_account1'
include 'sysad/edit_account1.php';
break;
case 'file_upload'
include 'sysad/file_upload.php';
break;
case 'upload'
include 'sysad/upload.php';
break;
}

```

```

case 'view_act'
include 'sysad/view_act.php';
break;
case 'update_act'
include 'sysad/update_act.php';
break;
case 'view_serv'
include 'sysad/view_serv.php';
break;
case 'update_serv'
include 'sysad/update_serv.php';
break;
case 'view_info'
include 'sysad/view_info.php';
break;
case 'update_info'
include 'sysad/update_info.php';
break;
case 'view_org'
include 'sysad/view_org.php';
break;
case 'update_org'
include 'sysad/update_org.php';
break;
case 'update_iaso'
include 'sysad/update_iaso.php';
break;
case 'change_pass'
include 'change_pass.php';
break;
case 'update_pass'
include 'update_pass.php';
break;
case 'priv_msg'
include 'priv_msg.php';
break;
case 'send_del_msg'
include 'send_del_msg.php';
break;
case 'send_msg'
include 'send_msg.php';
break;
case 'show_msg'
include 'show_msg.php';
break;
case 'reply_msg'
include 'reply_msg.php';
break;
case 'bulletin'
include 'bulletin.php';
break;
case 'send_del_bulletin'
include 'send_del_bulletin.php';
break;
default:
print ("<img src = 'images/welcome_sysad.gif' width = '100%'>");
break;
}
?>

update_account.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM account WHERE username='&acct'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($row != "") {
if ($acct) {
print ("<div class = 'blockhead'><div class = 'maintitle'> Add Account
</div></div>");
print ("<div class = 'warning'> The username already exists </div>");
print ("<a href=?page=view_account&uname=$uname> Back </a>");
} else {
editAccount($acct, $uname);
}
} else {
if ($edit) {
print ("<div class = 'blockhead'><div class = 'maintitle'> Edit / Activate
Account </div></div>");
print ("<div class = 'warning'> The username does not exist </div>");
print ("<a href=?page=view_account&uname=$uname> Back </a>");
} else {
addAccount($acct, $uname);
}
}

function addAccount($acct, $username) {
?>

<div class = "blockhead">
<div class = "maintitle"> Add Account </div>

```

```

</div><br>

<div class = "text" align = "center"><b> Account Information
</b></div><br>

<div class = "text">
<form name = "doctor" method = "post" action =
"page=add_account&uname=<?php print ("{$uname}"); ?>" onsubmit =
"return checkDocForm()">
<table class = "report" width = "60%" border = "0" cellspacing = "1"
cellpadding = "5" align = "center">
<tr>
<td><b> Username </b></td>
<td> <?php print ("<b> $accid </b>"); ?> </td>
</tr>
<tr>
<td><b> Password </b></td>
<td><?php
$first = "";
$second = "";
for ($i = 1; $i <= 5; $i++) {
$letter = chr(ord("a") + rand(0, 25));
$first = $letter;
$num = rand(0, 9);
$second = $num;
}
$password = $first.$second;
?>
<td> <?php print ("auto-generated"); ?> </td>
</tr>
<tr>
<td><b> User Type </b></td>
<td><b> Doctor </b></td>
</tr>
<tr>
<td><b> Status </b></td>
<td><b> Active </b></td>
</tr>
</table>
</div>
<input type = "hidden" name = "acct" value = "<?php print ("{$accid}"); ?>">
<input type = "hidden" name = "pass" value = "<?php print ("{$password}"); ?>">
<input type = "hidden" name = "utype" value = "2">
<input type = "hidden" name = "status" value = "A">

<?php include "sysad/doc_gen_info.php" ?>

<br><a href="page=view_account&uname=<?php print ("{$uname}"); ?>"> Back </a><br><br>

<?php
}

function editAccount($acct, $uname) {
include "connectdb.php";
$query = "SELECT * FROM account WHERE username='{$uname}'";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
if ($row["usertype"] == 3) {
print ("<div class = 'blockhead'><div class = 'maintitle'> Edit Account
</div></div>");
print ("<div class = 'warning'> Your account status cannot be modified
because you are the system administrator </div>");
print ("<a href='page=view_account&uname={$uname}'> Back
</a>");
} else {
<div class = "blockhead">
<div class = "maintitle"> Edit Account </div>
</div><br>

<div class = "text">
<form name = "bill" method = "post" action =
"page=edit_account&uname=<?php print ("{$uname}"); ?>" onsubmit =
"return checkAmount()">
<table class = "form" width = "60%" border = "0" cellspacing = "1"
cellpadding = "5" align = "center">
<tr>
<td><b> Username </b></td>
<td> <?php print ("<b> $accid </b>"); ?> </td>
</tr>
<tr>
<td><b> User Type </b></td>
<td><b> Doctor </b></td>
</tr>
<tr>
<td><b> Title </b></td>
<td><input class = "input" name = "title" type = "text" size = "50"
maxlength = "200"> <b class = "required"> * </b></td>
</tr>
<tr>
<td><b> Description </b></td>

```



```

<td><textarea class="input" name="iaso_body" cols="50" rows =
"10"></textarea> <b class="required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class="button" type="submit" name="submit" value =
"Submit" /></td>
</tr>
</table>
<input type="hidden" name="button" value="<?php print ($button)
?>">
<input type="hidden" name="iaso_type" value="A">
</form>

<p><b class="required"> * </b> -- required field </p>

<br><a href=?page=view_act&uname=?php print ($uname) ?>
Back </a><br><br>
<?php
}

function editActivity($act_num, $button, $uname) {
    include 'connectdb.php';
    $query = "SELECT * FROM inactservorg WHERE iaso_num=$act_num
    AND iaso_type='A'";
    $result = mysql_query($query);
    $row = mysql_fetch_array($result);
    ?>

<div class="blockhead">
<div class="maintitle"> Edit Activity </div>
</div>

<form name="iaso" method="post" action =
"?page=update_iaso&uname=?php print ($uname) ?>" onsubmit =
"return checkIasoForm()">
<table class="form" width="90%" border="1" cellspacing="1"
cellpadding="3" align="center">
<tr>
<td><b> Number </b></td>
<td><?php print ("<b> $act_num </b>") ?> </td>
</tr>
<tr>
<td><b> Title </b></td>
<td><input class="input" name="iaso_title" type="text" size="50"
maxlength="200" value="<?php print ($s, $row[iaso_title]) ?>" <b
class="required"> * </b></td>
</tr>
<tr>
<td><b> Description </b></td>
<td><div class="input" name="iaso_body" cols="50" rows =
"10"><?php print ($s, $row[iaso_body]) ?></div> <b class =
"required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class="button" type="submit" name="submit" value =
"Submit" /></td>
</tr>
</table>
<input type="hidden" name="button" value="<?php print ($button)
?>">
<input type="hidden" name="iaso_num" value="<?php print
($act_num) ?>">
<input type="hidden" name="iaso_type" value="A">
</form>

<p><b class="required"> * </b> -- required field </p>

<br><a href=?page=view_act&uname=?php print ($uname) ?>
Back </a><br><br>
<?php
}

function deleteActivity($act_num, $uname) {
    $query = "DELETE FROM inactservorg WHERE iaso_num=$act_num
    AND iaso_type='A'";
    $result = mysql_query($query);
    $query = "ALTER TABLE inactservorg AUTO_INCREMENT=1";
    $result = mysql_query($query);
    print "<div class='blockhead'><div class='maintitle'> Delete Activity
    </div></div>";
    print "<div class='warning'> The activity has been successfully deleted
    </div>";
    print "<a href=?page=view_act&uname=$uname> Back </a>";
    ?>
}

```

```

update_iaso.php

<?php
include 'connectdb.php';
if ($iaso_type == 'A' && $button == "Add an Activity") {
    $query = "INSERT INTO inactservorg VALUES(' now()', '$iaso_title',
    '$iaso_body', '$iaso_type', ' ', ' ', ' ');";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Add Activity
        </div></div>";
        print "<div class='warning'> The activity has been successfully
        added </div>";
        print "<a href=?page=view_act&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'A' && $button == "Edit") {
    $query = "UPDATE inactservorg SET iaso_date=now(),
    iaso_title=$iaso_title, iaso_body=$iaso_body WHERE
    iaso_num=$iaso_num AND iaso_type=$iaso_type";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Edit Activity
        </div></div>";
        print "<div class='warning'> The activity has been successfully
        modified </div>";
        print "<a href=?page=view_act&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'S' && $button == "Add a Service") {
    $query = "INSERT INTO inactservorg VALUES(' now()', '$iaso_title',
    '$iaso_body', '$iaso_type', ' ', ' ', ' ');";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Add Service
        </div></div>";
        print "<div class='warning'> The service has been successfully
        added </div>";
        print "<a href=?page=view_serv&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'S' && $button == "Edit") {
    $query = "UPDATE inactservorg SET iaso_date=now(),
    iaso_title=$iaso_title, iaso_body=$iaso_body WHERE
    iaso_num=$iaso_num AND iaso_type=$iaso_type";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Edit Service
        </div></div>";
        print "<div class='warning'> The service has been successfully
        modified </div>";
        print "<a href=?page=view_serv&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'I' && $button == "Add an Information") {
    $query = "INSERT INTO inactservorg VALUES(' now()', '$iaso_title',
    '$iaso_body', '$iaso_type', ' ', ' ', ' ');";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Add
        Information </div></div>";
        print "<div class='warning'> The information has been successfully
        added </div>";
        print "<a href=?page=view_info&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'I' && $button == "Edit") {
    $query = "UPDATE inactservorg SET iaso_date=now(),
    iaso_title=$iaso_title, iaso_body=$iaso_body WHERE
    iaso_num=$iaso_num AND iaso_type=$iaso_type";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Edit
        Information </div></div>";
        print "<div class='warning'> The information has been successfully
        modified </div>";
        print "<a href=?page=view_info&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'O' && $button == "Add an Organization") {
    $query = "INSERT INTO inactservorg VALUES(' now()', '$iaso_title',
    '$iaso_body', '$iaso_type', ' ', ' ', ' ');";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Add
        Organization </div></div>";
        print "<div class='warning'> The organization has been successfully
        added </div>";
        print "<a href=?page=view_org&uname=$uname> Back </a>";
    }
} else if ($iaso_type == 'O' && $button == "Edit") {
    $query = "UPDATE inactservorg SET iaso_date=now(),
    iaso_title=$iaso_title, iaso_body=$iaso_body WHERE
    iaso_num=$iaso_num AND iaso_type=$iaso_type";
    $result = mysql_query($query);
    if ($result) {
        print "<div class='blockhead'><div class='maintitle'> Edit
        Organization </div></div>";
    }
}

```



```

<td><input class = "input" name = "iaso_title" type = "text" size = "50"
maxlength = "200"> <b class = "required"> * </b></td>
</tr>
<tr>
<td><b> Description </b></td>
<td><textarea class = "input" name = "iaso_body" cols = "50" rows =
"10"></td><b class = "required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class = "button" type = "submit" name = "submit" value =
"Submit" /></td>
</tr>
</table>
<input type = "hidden" name = "button" value = "<?php print ("button")
?>">
<input type = "hidden" name = "iaso_type" value = "0">
</form>

<p><b class = "required"> * </b> - required field </p>

<br><a href = "?page=view_org&uname=<?php print ("Susemame"). ?>"
Back </a><br><br>

<?php
}

function editOrg ($act_num, $button, $usemame) {
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_num='$act_num'
AND iaso_type='0'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
?>

<div class = "blockhead">
<div class = "mantitle"> Edit Organizabon </div>
</div>

<form name = "iaso" method = "post" action =
"?page=update_iaso&uname=<?php print ("Susemame"). ?>" onSubmi=
"return checkIasoForm()">
<table class = "form" width = "90%" border = "1" cellpadding = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Number </b></td>
<td><?php print ("<b> $act_num </b>"). ?> </td>
</tr>
<tr>
<td><b> Org Name </b></td>
<td><input class = "input" name = "iaso_title" type = "text" size = "50"
maxlength = "200" value = "<?php print ("%s", $row[iaso_title]) ?>" <b
class = "required"> * </b></td>
</tr>
<tr>
<td><b> Description </b></td>
<td><textarea class = "input" name = "iaso_body" cols = "50" rows =
"10"><?php print ("%s", $row[iaso_body]); ?></td><b class =
"required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class = "button" type = "submit" name = "submit" value =
"Submit" /></td>
</tr>
</table>
<input type = "hidden" name = "button" value = "<?php print ("button").
?>">
<input type = "hidden" name = "iaso_num" value = "<?php print
("$act_num"); ?>">
<input type = "hidden" name = "iaso_type" value = "0">
</form>

<p><b class = "required"> * </b> - required field </p>

<br><a href = "?page=view_org&uname=<?php print ("Susemame"). ?>"
Back </a><br><br>

<?php
}

function deleteOrg ($act_num, $usemame) {
$query = "DELETE FROM inactservorg WHERE iaso_num='$act_num'
AND iaso_type='0'";
$result = mysql_query ($query);
$query = "ALTER TABLE inactservorg AUTO_INCREMENT='1'";
$result = mysql_query ($query);
print "<div class = 'blockhead'><div class = 'mantitle'> Delete
Organizabon </div></div>";
print "<div class = 'warning'> The organization has been successfully
deleted </div>";
print "<a href = '?page=view_org&uname=$usemame'> Back </a>";
}

```

```

?>

update_serv.php

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE
iaso_num='$iaso_num' AND iaso_type='0'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
if ($row != "") {
if ($add) {
addService ($add, $uname);
} else if ($edit) {
editService ($iaso_num, $edit, $uname);
} else {
deleteService ($iaso_num, $uname);
}
} else {
if ($edit || $delete) {
print "<div class = 'blockhead'><div class = 'mantitle'> Edit / Delete
Service </div></div>";
print "<div class = 'warning'> The service does not exist </div>";
print "<a href = '?page=view_serv&uname=$uname'> Back </a>";
} else {
addService ($add, $uname);
}
}

function addService ($button, $usemame) {
?>

<div class = "blockhead">
<div class = "mantitle"> Add Service </div>
</div>

<form name = "iaso" method = "post" action =
"?page=update_iaso&uname=<?php print ("Susemame"). ?>" onSubmi=
"return checkIasoForm()">
<table class = "form" width = "90%" border = "1" cellpadding = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Title </b></td>
<td><input class = "input" name = "iaso_title" type = "text" size = "50"
maxlength = "200"> <b class = "required"> * </b></td>
</tr>
<tr>
<td><b> Description </b></td>
<td><textarea class = "input" name = "iaso_body" cols = "50" rows =
"10"></td><b class = "required"> * </b></td>
</tr>
<tr>
<td></td>
<td><input class = "button" type = "submit" name = "submit" value =
"Submit" /></td>
</tr>
</table>
<input type = "hidden" name = "button" value = "<?php print ("button").
?>">
<input type = "hidden" name = "iaso_type" value = "0">
</form>

<p><b class = "required"> * </b> - required field </p>

<br><a href = "?page=view_serv&uname=<?php print ("Susemame"). ?>"
Back </a><br><br>

<?php
}

function editService ($act_num, $button, $usemame) {
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_num='$act_num'
AND iaso_type='0'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
?>

<div class = "blockhead">
<div class = "mantitle"> Edit Service </div>
</div>

<form name = "iaso" method = "post" action =
"?page=update_iaso&uname=<?php print ("Susemame"). ?>" onSubmi=
"return checkIasoForm()">
<table class = "form" width = "90%" border = "1" cellpadding = "1"
cellpadding = "3" align = "center">
<tr>
<td><b> Number </b></td>
<td><?php print ("<b> $act_num </b>"). ?> </td>
</tr>

```



```

<td> <p><b> Number </b>
<td width = "20%"> <p><b> Title </b>
<td> <p><b> Nature of Activity </b>
<td> <p><b> Last Update Date </b>
</tr>

```

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_type='A' ORDER
BY iaso_date";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    print (<tr valign = "top">);
    print (<td align = "center" nowrap> %s </td> $row[iaso_num]);
    if ($row[iaso_filename] != "") {
        print (<td align = "center"><a href=iasoload_file.php?file=%s target =
        _blank> %s </a></td> $row[iaso_num], $row[iaso_title]);
    } else {
        print (<td align = "center"> %s </td> $row[iaso_title]);
    }
    print (<td> %s </td> $row[iaso_body]);
    print (<td align = "center" nowrap> %s </td> $row[iaso_date]);
    print (<tr>);
    $check = 1;
}
if ($check == 0) {
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - No Activities -
    </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<table><br>);
} else {
    print (<table><br>);
}
}
}

```

view_info.php

```

<div class = "blockhead">
<div class = "maintitle"> Update Information </div>
</div><br>

<form name = "iaso" method = "post" action =
"page=update_info&uname=<?php print ($uname); ?>">
<input class = "button" type = "submit" name = "add" value = "Add an
Information"><br><br>
<table width = "80%" border = "0" cellspacing = "1" cellpadding = "3" align
= "center">
<tr>
<td align = "right"><b> Information Number </b></td>
<td align = "center"><input class = "input" type = "text" name =
"iaso_num" maxlength = "10"></td>
<td align = "center">
<input class = "button" type = "submit" name = "edit" value = "Edit"
onClick = "return checkiasoNum()">
<input class = "button" type = "submit" name = "delete" value = "Delete"
onClick = "return checkiasoNum()">
</td>
</tr>
</table>
</form><br>

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td> <p><b> Number </b>
<td width = "20%"> <p><b> Title </b>
<td> <p><b> Body of Information </b>
<td> <p><b> Last Update Date </b>
</tr>

```

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_type='I' ORDER
BY iaso_date";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    print (<tr valign = "top">);
    print (<td align = "center" nowrap> %s </td> $row[iaso_num]);
    if ($row[iaso_filename] != "") {
        print (<td align = "center"><a href=iasoload_file.php?file=%s target =
        _blank> %s </a></td> $row[iaso_num], $row[iaso_title]);
    } else {
        print (<td align = "center"> %s </td> $row[iaso_title]);
    }
    print (<td> %s </td> $row[iaso_body]);
    print (<td align = "center" nowrap> %s </td> $row[iaso_date]);
    print (<tr>);
    $check = 1;
}
}

```

```

if ($check == 0) {
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - No Information -
    </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<table><br>);
} else {
    print (<table><br>);
}
}
}

```

view_org.php

```

<div class = "blockhead">
<div class = "maintitle"> Update Organization </div>
</div><br>

<form name = "iaso" method = "post" action =
"page=update_org&uname=<?php print ($uname); ?>">
<input class = "button" type = "submit" name = "add" value = "Add an
Organization"><br><br>
<table width = "80%" border = "0" cellspacing = "1" cellpadding = "3" align
= "center">
<tr>
<td align = "right"><b> Organization Number </b></td>
<td align = "center"><input class = "input" type = "text" name =
"iaso_num" maxlength = "10"></td>
<td align = "center">
<input class = "button" type = "submit" name = "edit" value = "Edit"
onClick = "return checkiasoNum()">
<input class = "button" type = "submit" name = "delete" value = "Delete"
onClick = "return checkiasoNum()">
</td>
</tr>
</table>
</form><br>

<table class = "form" width = "90%" border = "0" cellspacing = "1"
cellpadding = "3" align = "center">
<tr align = "center">
<td> <p><b> Number </b>
<td width = "20%"> <p><b> Name </b>
<td> <p><b> Description </b>
<td> <p><b> Last Update Date </b>
</tr>

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_type='O' ORDER
BY iaso_date";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    print (<tr valign = "top">);
    print (<td align = "center" nowrap> %s </td> $row[iaso_num]);
    if ($row[iaso_filename] != "") {
        print (<td align = "center"><a href=iasoload_file.php?file=%s target =
        _blank> %s </a></td> $row[iaso_num], $row[iaso_title]);
    } else {
        print (<td align = "center"> %s </td> $row[iaso_title]);
    }
    print (<td> %s </td> $row[iaso_body]);
    print (<td align = "center" nowrap> %s </td> $row[iaso_date]);
    print (<tr>);
    $check = 1;
}
if ($check == 0) {
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - No Organization -
    </p></b></td>);
    print (<td align = "center"><b class = "required"><p> - </p></b></td>);
    print (<table><br>);
} else {
    print (<table><br>);
}
}
}

```

view_serv.php

```

<div class = "blockhead">
<div class = "maintitle"> Update Services </div>
</div><br>

<form name = "iaso" method = "post" action =
"page=update_serv&uname=<?php print ($uname); ?>">
<input class = "button" type = "submit" name = "add" value = "Add a
Service"><br><br>
<table width = "80%" border = "0" cellspacing = "1" cellpadding = "3" align
= "center">
<tr>
<td align = "right"><b> Service Number </b></td>

```

```

<td align="center"><input class="input" type="text" name="
iaso_num" maxlength="10"></td>
<td align="center">
<input class="button" type="submit" name="edit" value="Edit"
onClick="return checkIasoNum()">
<input class="button" type="submit" name="delete" value="Delete"
onClick="return checkIasoNum()">
</td>
</tr>
</table>
</form><br>

<table class="form" width="90%" border="0" cellpadding="3" align="center">
<tr align="center">
<td><p><b> Number </b></td>
<td width="20%"><p><b> Title </b></td>
<td><p><b> Nature of Service </b></td>
<td><p><b> Last Update Date </b></td>
</tr>

```

```

<?php
include 'connectdb.php';
$query = "SELECT * FROM inactservorg WHERE iaso_type='S' ORDER
BY iaso_date";
$result = mysql_query($query);
$check = 0;
while ($row = mysql_fetch_array($result)) {
    print("<tr valign='top'>");
    print("<td align='center' nowrap> %s </td>" $row['iaso_num']);
    if ($row['iaso_filename'] != "") {
        print("<td align='center'><a href=iaso/load_file.php?file=%s target=
'blank'> %s </a></td>" $row['iaso_num'], $row['iaso_title']);
    } else {
        print("<td align='center'> %s </td>" $row['iaso_title']);
    }
    print("<td> %s </td>" $row['iaso_body']);
    print("<td align='center' nowrap> %s </td>" $row['iaso_date']);
    print("</tr>");
    $check = 1;
}
if ($check == 0) {
    print("<td align='center'><b class='required'><b> - </b></b></td>");
    print("<td align='center'><b class='required'><b> - </b></b></td>");
    print("<td align='center'><b class='required'><b> - No Services -
</b></b></td>");
    print("<td align='center'><b class='required'><b> - </b></b></td>");
    print("</table><br>");
} else {
    print("</table><br>");
}
}
}

```

Aschoms\win32\console\mygnokii.exe

connectdb.php

```

<?php

// Connect to MySQL

$dbuser = " ";
$dbpassword = " ";
$dbhost = "localhost";

$db_connection = mysql_connect($dbhost, $dbuser, $dbpassword);

// Select the database

$dbname = 'aschoms';

mysql_select_db($dbname);

}
}

```

send_assessment.php

```

<?php
if ($globalname == "") {
    print("<html><head><meta http-equiv='refresh'>
Content='0,URL=http://localhost/aschoms/index.php'></head></html>");
}
<script language="JavaScript"> alert("You are not logged in"); </script>
<?php
exit;
}
}

<html>

<head>
<title> [2005] vianzon aschoms </title>

```

```

<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<link rel="stylesheet" type="text/css" href=" " /> </pagestyle css>
</head>

```

<body bgcolor="F8FFA7">

<?php

```

//-- sends auto-generated sms containing the health assessment
--//
//-- of the doctor on a certain SVM record of a patient
--//

```

```

include ' /connectdb.php';
$months = array("Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug",
"Sep", "Oct", "Nov", "Dec");
$mydate = explode("-", $date);
for ($i = 0, $i < 12; $i++) {
    if ($mydate[1] == $i) {
        $j = $i - 1;
        $date = $months[$j];
    }
}
$send_msg = "Assessment on your - $date $mydate[2] - SVM."
$assess;
$fp = fopen("send_assessment.txt", "w");
fwrite($fp, $send_msg);
fclose($fp);
$query = "SELECT pcelnum FROM patient WHERE
patient_id=$patient_id";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
$celnum = $row[0];
if ($celnum == "") {
    print("<div class='warning'> Your patient has no mobile phone
number. SMS notice couldn't be sent </div>");
} else {
    $celnum = "+63" . $celnum;
    system("mygnokii -sendsms \"$celnum\" -long 180 -unicode <
send_assessment.txt");
    print("<div class='warning'> SMS notice has also been sent to your
patient </div>");
}
}
}

```

send_cfbl.php

```

<?php
if ($globalname == "") {
    print("<html><head><meta http-equiv='refresh'>
Content='0,URL=http://localhost/aschoms/index.php'></head></html>");
}
<script language="JavaScript"> alert("You are not logged in"); </script>
<?php
exit;
}
}

```

<html>

```

<head>
<title> [2005] vianzon aschoms </title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-
8859-1">
<link rel="stylesheet" type="text/css" href=" " /> </pagestyle css>
</head>

```

<body bgcolor="F8FFA7">

<?php

//-- sends auto-generated sms containing the consultation amount --//

```

include ' /connectdb.php';
if ($add) {
    $send_msg = "Consultation Fee for "
    $send_msg = date("m") . "-" . date("d") . "-" . date("Y");
    $send_msg = " is P " . $plus;
}
if ($edit) {
    $send_msg = "Consultation Fee for " . $date;
    $send_msg = " has been modified to P " . $new;
}
$fp = fopen("send_cfbl.txt", "w");
fwrite($fp, $send_msg);
fclose($fp);
$query = "SELECT pcelnum FROM patient WHERE
patient_id=$patient_id";
$result = mysql_query($query);
$row = mysql_fetch_array($result);
$celnum = $row[0];
if ($celnum == "") {

```

```

    print ("<div class = 'warning'> Your patient has no mobile phone
number. SMS notice couldn't be sent. </div>");
} else {
    $cseum = "63" $cseum
    system ("mygnokii -sendsms \"$cseum\" -unicode < send_cbill br");
    print ("<div class = 'warning'> SMS notice has also been sent to your
patient </div>");
}
}
}

send_nonavail.php

<?php
if ($globalname == "") {
    print ("<html><head><meta http-equiv='refresh'
Content='0,URL=http://localhost/aschoms/index.php'></head></html>");
}
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
exit;
}
}

<html>

<head>
<title> [2005] wanzon aschoms </title>
<meta http-equiv = "Content-Type" content = "text/html, charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = " /pagestyle.css">
</head>

<body bgcolor = "F8FFA7">

<?php

//--
sends auto-generated sms containing the non-availability
..//
dates together with the reliever of the doctor
--//

include ' /connectdb.php';
$query = "SELECT doc_iname, doc_fname FROM doctor WHERE
doctor_id=' $reliever'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
$doctor = "Dr " . $row[1] . " " . $row[0];
$send_msg = "You'll be handled by " . $doctor . " " . $date . " MESSAGE
" . $notice;
$fileptr = fopen ("send_nonavail.txt", "w");
fwrite ($fileptr, $send_msg);
fclose ($fileptr);
$query = "SELECT patient_pcalinum FROM patient, account WHERE
doctor_id=' $doctor_id' AND patient_patient_id=account_username AND
account_status='A'";
$result = mysql_query ($query);
$check = 0;
while ($row = mysql_fetch_array ($result)) {
    $cseum = $row[0];
    if ($cseum != "") {
        $cseum = "63" $cseum;
        system ("mygnokii -sendsms \"$cseum\" -long 180 -unicode <
send_nonavail br");
        $check = 1;
    }
}
if ($check == 0) {
    print ("<div class = 'warning'> No patients to inform through SMS
</div>");
} else {
    print ("<div class = 'warning'> SMS notice has also been sent to your
patient(s) </div>");
}
}

send_pass.php

<?php
if ($globalname == "") {
    print ("<html><head><meta http-equiv='refresh'
Content='0,URL=http://localhost/aschoms/index.php'></head></html>");
}
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
exit;
}
}

<html>

<head>
<title> [2005] wanzon aschoms </title>

```

```

<meta http-equiv = "Content-Type" content = "text/html, charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = " /pagestyle.css">
</head>

<body bgcolor = "F8FFA7">

<?php
//--
sends the pre-generated password through sms to the newly
added doctor..//
$send_msg = "ASCHOMS username: $acct and password: $pass. You
can now login!";
$fileptr = fopen ("send_pass.txt", "w");
fwrite ($fileptr, $send_msg);
fclose ($fileptr);
$cseum = "63" $cseum;
system ("mygnokii -sendsms \"$cseum\" -long 180 -unicode <
send_pass br");
print ("<div class = 'warning'> The login information has been sent to the
doctor </div>");
}
}

</body>

</html>

send_svm.php

<?php
if ($globalname == "") {
    print ("<html><head><meta http-equiv='refresh'
Content='0,URL=http://localhost/aschoms/index.php'></head></html>");
}
<script language = "JavaScript"> alert ("You are not logged in"); </script>
<?php
exit;
}
}

<html>

<head>
<title> [2005] wanzon aschoms </title>
<meta http-equiv = "Content-Type" content = "text/html, charset = iso-
8859-1">
<link rel = "stylesheet" type = "text/css" href = " /pagestyle.css">
</head>

<body bgcolor = "F8FFA7">

<?php

//--
sends auto-generated sms containing the SVM record for
the day of a patient
--//

include ' /connectdb.php';
$query = "SELECT pat_iname, pat_fname FROM patient WHERE
patient_id=' $patient_id'";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
$patient = $row[1] . " " . $row[0];
$send_msg = $patient_id . " " . $patient . " SVM for " . date("Y-m-d") .
" " . $svm;
$fileptr = fopen ("send_svm.txt", "w");
fwrite ($fileptr, $send_msg);
fclose ($fileptr);
$query = "SELECT doctor_docinum FROM patient, doctor WHERE
patient_id=' $patient_id' AND patient_doctor_id=doctor_doctor_id";
$result = mysql_query ($query);
$row = mysql_fetch_array ($result);
$cseum = $row[0];
$cseum = "63" $cseum;
system ("mygnokii -sendsms \"$cseum\" -unicode < send_svm br");
print ("<div class = 'warning'> SMS notice has been sent to your doctor
</div>");
}
}

```

ACKNOWLEDGEMENT

It has been four years and yet I still can't find the appropriate single word that can describe my college life. There are moments of loud laughter, silent sadness, frustrating anger, cramming nights, sleepless days, and most of all blissful minutes. But there is only one word that I can offer to everyone and everything I have experienced in these years... heart-felt gratitude...

My life and all of these blessings, I lift up to my Creator, God the Father. I give back all the praises to Him. God has been my guiding light and my companion since I was brought into this wonderful world. My faith had been tested several times but I continued to hold on to Him and became a stronger follower of Him. I may have astray in life at times but I backtrack again to find my right path with His presence. I am very much grateful that I recognized Him early in my life.

The unconditional love I receive from you, my parents, makes me the person I am now. You have showed me the importance of a family. All the values in life that I have treasured and the traits I acquired are your greatest gifts to me. Because of your dedication to parenthood, you had molded me to be a good follower of God, which opened my heart and mind on how to view life at any angle. You had brought out the best in me. To show my appreciation to all your hardships and sacrifices for me and my elder sister, I also unconditionally love you. My love and high respect says it all...

To my elder sister Cielo Marie, who has been my idol ever since, I thank you for your love, care and concern. We may have some differences, but we have managed to compromise in any possible way. We never had a fight and I never wanted to have one in the future because I very much respect you. You have inspired me to do my best in everything and never doubted my capabilities. You may not have a clue, but your trust in me makes strive harder.

To the sister of my Dad, Tita Coring, who has always been there to support me and willingly help me in any way, I also would like to thank you. You had been a believer of my strengths and a critic of my weaknesses. I appreciate everything you have contributed to my growth in life.

This project would not be possible without the trust of people around me. To my adviser, Dr. Vincent Peter C. Magboo, I appreciate all the time and effort you had spent for this project. Thank you for your valuable advices that completed this SP. Throughout this process, you have showed me determination, perseverance, patience, dedication and compassion, which inspired me to finish my project on time. To the panelists, I understood why you rejected my first proposal. You believed in my capabilities and made me realize that I can come up with a better project and this is it! Thank you for your constructive criticisms that made me realized my strengths in times of trials and pressures.

For all the people whom I have met before college and have touched my life in one way or another, I thank you for all the memories we have shared. Those memories, whatever it is, will remain in my heart because it had taught me to value any kind of relationship. You have inputs in my life that had positively affected me in many ways. You are one of the building blocks in my life. I would have been a different person if our paths never crossed. Always remember that precious encounters are not measured by duration, but by the quality of those times...

My college years would not have been complete if I did not meet a wonderful bunch of people. You have been a part of my crazy four years here at UP, and we enjoyed it in spite of all the hardships... I learned a lot from you guys... Because of your presence, I became more compassionate and sensitive to the feelings and needs of others; I realized my blessings much more and learned to share more of what ever I have. In these years I have grown more mature because of our sharing of personal experiences, which taught me to value life more and the people around.

To all of my professors, you have taught me the concepts I need to learn for my chosen field of study... Not only academically, you have also instilled life lessons I need to be equipped in facing the real world... Thank you very much!

To the great people I met at Navitaire International, LLC. during my practicum, I thank them for being nice and accommodating... They warmly welcomed me to their team ... They have showed me and let me experience even for just two months what is it like working... The accepted and appreciated me for who I am and what I can offer...

To Ate Eden and Ate Shula, thank you for being nice to me... and for everything!

To my sis, Mara, who trusts me, cares for me, believes in me, and has always been there for me... I am very much grateful that I knew you since the first day of our college life... Thank you for the wonderful friendship we have... I will always treasure the memories we have shared together and will forever be your good friend...

To Karen and Daiz, my best buddies, I will never forget the things we have shared... You are great friends worth treasuring... To Karen, thank you for all the dances we had, for all the stories you have told and for just being the person you are... You made my college life alive! To Daisy, thank you for trusting me with some of your personal stories... You are a great honest person... We might have been friends since SOEP if I was much more approachable then... It's ok, we still became close friends!

To Rai and Mike, I thank you for the moments of laughter and seriousness, companionship, heart-to-heart talks, joking times, tutoring hours before exams, working in group MPs, and especially for the sincere friendship...

To Cy, who had helped me a lot in my SP proposal, I thank you for the short time we have shared together... In that time period, we have known each other pretty well and instantly became close friends... Thank you for believing in me... I really appreciated your great help during the times of cramming for my proposal...

To Ronx and Aris, I thank you for being the Mr. Nice Guys of the block... You are always willing to extend a hand or even both hands, for anyone who needs help... Keep it up!

To James and Erwin, thanks for making our PI classes alive and enjoyable... We should be thankful to our PI class, since it paved the way for us to be good friends... I knew more about you because of that class!

To Johanna and Harold, thanks for the good times we have shared and for the friendship we started in the early days of college life... To Johanna, thanks for seeking for and listening to my advices... To Harold, you are a true 'gentleman' to the girls in the block...

To everyone in the 'original' block and the shiftees, thank you for everything we have shared ... You may not be enumerated like the others, you still took a big part in my life... You will always be remembered and forever kept in my heart...

To the people I am about to meet in the future, I thank you now, because I know you will affect me in any way soon. You will make me a better and stronger person than I am today.

All of you are the reason why I enjoy my life and progress in life. You make me realize everyday that life would not have a sense if we just live because we are simply breathing. The essence of living a life is to happily live with continuous learning and understanding accompanied by a simple purpose.

From the bottom of my heart, thank you very much! God bless us!