A project report on

MEDICARE

Submitted in partial fulfillment of the requirement
For the award of the degree of

MASTER OF COMPUTER APPLICATIONS

Of

Visvesvaraya Technological University
Belgaum,Karnataka

By

HARISH N

1CR18MCA62

CMR INSTITUTE OF TECHNOLOGY
132,IT Park Road, Kundalahalli, Bangalore-560037

2019-2020

A project report on

MEDICARE

Submitted in partial fulfillment of the requirement
For the award of the degree

MASTER OF COMPUTER APPLICATIONS

Of

Visvesvaraya Technological University
Belgaum, Karnataka

By

HARISH N

1CR18MCA62

CMR INSTITUTE OF TECHNOLOGY
132, IT Park Road, Kundalahalli, Bangalore-560037

2019-2020

A project report on

MEDICARE

Submitted in partial fulfillment of the requirement

For the award of the degree

MASTER OF COMPUTER APPLICATIONS
Of
Visvesvaraya Technological University
Belgaum, Karnataka

By

HARISH N

1CR18MCA62

Under the guidance of

Internal Guide   **External Guide**

Dr. A. Abdul Rasheed,   **Mr. Himanshu Mangaraj**
Professor,   Project Manager,
MCA Department   Real Time Signal Technologies,
CMR Institute of Technology.   Bangalore
Bangalore.

CMR INSTITUTE OF TECHNOLOGY
132, IT Park Road, Kundalahalli, Bangalore-560037

2019-2020

CMR INSTITUTE OF TECHNOLOGY

Department of Master of Computer Applications,
132, IT Park Road, Kundalahalli, Bangalore-560037
2018-2019

CERTIFICATE

*This is to Certify that **HARISH N** Has Completed His Final Semester Project Work Entitled "**MEDICARE**" as a partial fulfillment for the award of Master of Computer Applications degree, during the academic year 2020 under our joint supervision*

Signature of Internal Guide   **Signature of External Guide**

Dr. A. Abdul Rasheed   **Mr. Himanshu Mangaraj**
Professor,   Project Manager,
MCA Department   Real Time Signal Technologies,
CMR Institute of Technology.   Bangalore
Bangalore.

Head of the Dept.   **Principal**

DECLARATION

I, HARISH N, Student of 6th semester MCA, CMR Institute Of Technology, Bangalore, bearing USN 1CR18MCA62 hereby declare that the project entitled **"MEDICARE"** has been carried out by me under the supervision of external guide Mr. Himanshu Mangaraj, Project Manager and internal guide Dr. A. Abdul Rasheed, Dept. of Master of Computer Applications, CMR institute of technology, and this project work is submitted in the partial of the needed things for the award of the degree of Master of Computer Applications. The results included in this project have not been submitted to any other University or Institute for the award of any degree or diploma.

Place: **Bangalore**   **HARISH N**

 Date: **(1CR18MCA62)**

ACKNOWLEDGEMENT

Real Time Signals Technologies

CERTIFICATE

We hereby conform that Ms. **Harish N** of your collage **CMR Institute Of Technology** with USN: **1CR18MCA62** has successfully completed the Project at **Real Time Signals Technologies Pvt Ltd.** from January 27-2020 to March 09-2020,

The Project based on Web Development with " **Medicare**" under the guidance of **Mr. Himanshu**, Project Guide, **Real Time Signals Technologies Pvt. Ltd,**

Kind Regards,

Project Manager

REAL TIME SIGNALS TECHNOLOGIES PVT.LTD

Krishna Grand, Over Marthahalli Bridge, Bengaluru, Karnataka 560037

Ph: 080-42008777, 9686939421, Email info@realtimesig.com

Website www.realtimesig.com

CHAPTER 1
INTRODUCTION

1.1 ABSTRACT

The objective is to securely sharing of Personal Health Record (PHR) using encryption. The PHR is a kind of prosperity record where prosperity data and information related to the consideration of a patient has being kept by all patient only as it were. Patients control the wellbeing data in PHR and can go anyplace whenever with Internet get to. Individual wellbeing record makes it simple to accumulate and deal with the clinical data is one open and safty area. Conveying stored information of paper is a major downside since patients once in a while have stored information of papers whenever necessary. Individual wellbeing information frameworks will clear that issue by creating the individual wellbeing data available whenever by means of a Web-empowered gadget, for example, PC, telephone or tablet. Totally having an individual wellbeing record can be a lifeline. In crisis, patients can rapidly give individual fundamental data, for example, data about the sickness, meds and medication sensitivities each patient has the full control of their clinical records, different documents and can impart their wellbeing information to a wide scope of clients, including specialists, relatives or companions. To guarantee understanding driven security command over their own PHRs, it is fundamental to scramble the information before putting away. Fundamentally, the PHR proprietors themselves will conclude how to scramble their documents and to permit which set of clients to acquire access to each record. A PHR document should just be accessible to the clients who are given the relating decoding key and is secret to the remainder of the clients. Moreover, the patient will consistently hold the option to concede likewise renounce get to benefits when it is fundamental.

To make sure about the individual prosperity data set aside on a semi trusted in server, Attribute Based Encryption strategy is used. Utilizing ABE, documents are scrambled

-

under a lot of characteristics. Access strategies are communicated dependent of all the properties of all the clients data, which authorize all the patients to particularly share their health records among all clients.

1.2 PROJECT DESCRIPTION

A Personal Health Record organization grants patient to make them, and control their own prosperity data from any spot throughout web, which made the taking care of, recuperating, and also sharing of all the clinical information dynamically authenticate. Each patient has the full rights to control of their own clinical records as well as information, various reports and also give impact to their prosperity data to a large extent customers, involving authorities, family members or mates. Patients control the wellbeing data in PHR and can go anyplace whenever with Internet get to. Individual wellbeing record makes it simple to assemble and deal with the clinical data in one available and secure area. Truly having an individual wellbeing record can be a lifeline. In crisis, patients can rapidly give individual imperative data, for example, data about the ailment, prescriptions and medication hypersensitivities. The principle concern is all about whether the patients are really able prevent the sharing of all touchy individual wellbeing informations, particularly when all were put away in outsider backend programmers suppliers, which individuals can't completely trust. To guarantee tolerant driven security power over their own PHRs, it is fundamental to encode the information before putting away. The Persnol Health Record proprietors are conclude themselves that to encode all their documents and permit all types of clients that to acquire accessible to all record. PHR record should simply available for the customers who were giving the relating disentangling key and it is to mystery of rest of all customers.

-

1.3 COMPANY PROFILE

We are an ISO 9001 ensured Design Services organization in Embedded Systems Engineering and Digital Signal Processing from India. With our extraordinary mix of mastery in Embedded Hardware, Software, DSP and PCB structure, RealTimeSignals gives start to finish item configuration administrations for driving item organizations, specialist organizations and yearning new companies. Continuous Signals specialization incorporates Hardware Design Services, Firmware/OS customization, Device Drivers, Middleware, IP improvement and Open Source Module mix administrations.

RTS Knowledge is a piece of Real Time Signals Technology Pvt Ltd an organization associated with structure, improvement and assembling diverse electronic items providing food different applications in the market. Ongoing Signals Technology Pvt Ltd has a wide scope of implanted items and DSP surprisingly. The items are continually enhanced through ceaseless advancement and examination. RTS over the period has enhanced its activities, developed into one of the India's chief associations, creating advanced hey tech equipment and programming items, giving implanted arrangements, undertaking asset arranging, building answers for a fundamental specialist co-op/customer to a perplexing system/bunch of administration focuses, which has become the need of the day. A magnificent procedure system brings home the upside of conveying arrangements on schedule, without fail.

-

CHAPTER 2

LITERATURE SURVEY

2.1 EXISTING SYSTEM:

The existing system follows an unsecured storage of medical records. That system maintained manual records for storing the personal health records of each patient. They cannot share their data with other hospitals. A patient has to register separately in each hospital

In the existing system chance of loss of data is high. Each time when a patient arrives they have to search in their racks that are it is very time consuming to access each record as it follows file keeping method.. Also it's difficult for them to store the history of patient's previous visit. When more patients come, it is difficult for the authorities to search for the records.

The existing system has the following drawbacks:

- Time consuming
- Difficult to handle
- Difficult to make reports
- Decision making is also very difficult
- Existing system is a manual one and it has a lot of difficulties, limitations and requires more manpower and resources.
- Human errors may occur when collecting the information

2.1 PROPOSED SYSTEM:

We attempt to examine the patient driven, authenticate sharing of PHR put outside on half confided in servers, are implies to the confused is testing key administration problems. So for the individual wellbeing information put outside in semi confided in server, we receive property based on how information to the data (ABE) as the standard encryption unrefined. Using ABE, get to courses of action are conveyed reliant on the characteristics of customers or data, which enables a patient to explicitly share her PHR among a ton of customers by scrambling the archive under a great deal of qualities, without the need to know an all out overview of customers.

2.2.1 Advantages of Proposed System:

> 1: User friendly
> 2: Cost Efficient
> 3: Efficient work

2.2 FEASIBILITY STUDY

At the point when the clients moves toward the association to get attractive item created, it thinks of unpleasant thought regarding what all capacities the product must perform and which all highlights are normal from the product. This achievability study is engaged towards objective of the association. This investigation examinations whether the product item can be for all intents and purposes appeared as far as usage, commitment of undertaking to association, cost imperatives and according to qualities and goals of the association. It investigates specialized parts of the task and item, for example, ease of use, practicality, and

-

profitability and coordination capacity. Three key contemplations accessible in the feasibility analysis are:

➤ Economic Feasibility

The economic analysis is just to determine the all benefits and savings with the current system and the proposed system that are compare with costs. The economically feasible systems means, as the association has the equipment and programming assets required for the working of the framework. In the event that any extra assets are required, can likewise be handily gained here. Proposed framework has been created with the accessible assets. Since the cost contribution for the product is nearly nil or less where the yield of the product is consistently a remaining parts benefit. Consequently Software is financially possible.

➤ Technical Feasibility

It focus on the current PC framework and how much it can bolster the proposed expansion. Since the base necessities of the framework and system like web association, web server in the server framework are met by any normal user.

➤ Operational Feasibility

The system operation of the Operation feasibility is the longest stage in the improvement life pattern of a framework. In this way, operational feasibility must be given as more importance to the particular system. The user clients of the application don't need thorough training on the system. It has a user-friendly interface.

-

2.3 TOOLS AND TECHNOLOGIES

Development tool is a PC program that product engineers use to create, debug, maintain, or otherwise support other different programs and applications.

1. Macromedia Dreamweaver MX

Macromedia Dreamweaver MX is a consolidated headway condition IDE from the Microsoft.MX is used and that make software programs for all Microsoft Windows and furthermore websites, web applications and administrations apart. Visual Studio uses the Microsoft programming improvement levels to be specific Windows related APIs, Forms, Windows Presentation Foundation, Windows Store and destinations, web applications and organizations are available. Visual studio uses Microsoft and software programming improvement levels to be explicit Windows APIs, forms, Presentation Foundation and also some are used that is windows store and microsoft silver light are the product advancement stages. It will give output of both local code as well as oversaw code Dreamweaver joins a code chief supporting IntelliSense similarly as code refactoring. The consolidated debugger fills in as a source level debugger and similarly as machine level debugger. A portion of the implicit devices which incorporate a structures fashioner are building a GUI , web specialist, class originator, and also database pattern architect. It recognizes modules that update the convenience of each and every level including support for source-control systems and including new toolsets like editors and visual makers for region unequivocal vernaculars or toolsets for various types of the point of view on programming improvement lifecycle.

-

2. HTML 5

HTML 5 is a hyper text markup language utilized for organizing and introducing content for all related to WWW, a center innovation towards internet now a days. It is mentioned as fifth correction in all the HTML standard and it is made in 1990 and normalized as HTML 5 out of 1997. Its center point is to improve the language with assistance for the most recent mixed media. Results, keeping it effectively discernible by people and reliably comprehended by PCs and gadgets (internet browsers, parsers and so forth). HTML5 is proposed and litrally relate to HTML4 and furthermore XHTML 1 and DOM level2 HTML. And HTML 5 is likewise cross-stage. It is intended to work in like manner whether you are utilizing a PC, or a Tablet, or Smartphone, or a keen TV.

3. CSS

CSS implies Cascading Style Sheet. It is a type of template language used by portraying clothing and also designing of a report has written in a html language. Where we lost again and again repeatedly used to styles and interfaces written on the HTML language and also XHTML, the language can be applied to make any sort of XML report, including the XML and SVG and XUL. CSS is an establishment specific of the web and for all intents and purposes all website pages use CSS formats to depict their introduction. And CSS causes web engineers that make a uniform look over a few pages of a site. We can utilize styles just a single time in the records, rather than characterizing the style of each table and each square of text inside a page's HTML. It very well may be utilized by any page and records which references the CSS where the style is characterized once enough. CSS has an extraordinary highlights of makes it simple to change styles over a few pages immediately.

-

4. JavaScript

JavaScript in short JS. JS is an undeniable unique programming language that, when applied to a HTML report, we can anticipate dynamic intuitiveness in sites. It was created by Brendan Eich, prime supporter of the Mozilla venture, the Mozilla Foundation, and the Mozilla Corporation. JS is unbelievably adaptable in nature. It begins little, with all merry go rounds, picture exhibitions in the framework, fluctuating designs, and reactions on click. With more experience we'll get ablity to make a few games, energized 3D illustrations and 2D, far reaching database-driven applications, and so forth.

JavaScript itself is genuinely reduced at this point entirely adaptable. Engineers have composed an enormous assortment of instruments supplementing the center JavaScript language, giving a lot of additional usefulness with least and most extreme exertion. These include:

1. Application Programming Interfaces (APIs) incorporated with internet browsers, giving usefulness like progressively making HTML and CSS styles, gathers and controls a video stream in the users webcam, or producing 3D designs and volume examples.

2. Third-party APIs to permit engineers to join helpfulness in their goals from other substance providers, for instance,

3. Third-party systems and libraries you can apply to your HTML to permit you to quickly develop destinations and applications.

-

5. MySQL

MySQL is an open wellspring of (RDBMS) Relational Database Management System. It depends on the Structured Query Language (SQL), which is utilized for including, evacuating and changing data in the database. Standard SQL orders are as per the following ADD, DROP, INSERT and UPDATE can be utilized with MySql

2.4 HARDWARE AND SOFTWARE REQUIREMENTS

2.4.1 Hardware Requirements

Hardware type	Specification
Computer processor	Intel Core i3 (equivalent or greater)
Computer Hard disk	80 GB (Recommended)
Computer RAM	8 GB – or greater
Speed	3.20 GHz or higher
Monitor	15 CRT, or LCD monitor
Keyboard	Any Compatible
Mouse	Any Compatible

2.4.2 Software Requirements

Operating System–OS	Windows 7 and above
Tools	PHP ,HTML,CSS,JavaScript
Back End Software	MySql DataBase
IDE	Macromedia Dreamweaver
Framework	PHP 5.3.1
Web Server	Internet Explorer, Mozilla Fire fox, Google chrome

-

CHAPTER 3

SOFTWARE REQUIREMENTS SPECIFICATION

3.1 USERS

The user means client. The client of the proposed framework necessitates that the created programming ought to be easy to use, have security get to, and guarantee the protection of the User's photograph. The clients are not much of the time presented to the framework, so the framework interface to the client must be straightforward and reasonable. The website pages must be easy to use and simple to utilize style. The client must have the option to recognize and utilize effectively and switch among different I/O screens. The item is all around structured with the goal that it tends to be utilized effectively by the clients who are beginners to the framework. The UI ought to be as intelligent and ought to be responsive. On the off chance that easy to understand interface is given, the client can without much of a stretch connect with the framework and fathom things in a faster and simpler manner.

3.2 FUNCTIONAL REQUIREMENTS

Functional requirements explicitly characterize functionalities of the framework, conduct of the framework and the objectives to accomplish it. Capacities that portray the conduct of the framework are considered as conduct prerequisites and will be appeared as use cases. The significance and depiction of practical prerequisites are clarified in beneath given table:

FR	SIGNIFICANCE	DESCRIPTION
Security	Must Needed	User confirmation is required..
Web Interface	Must Needed	Provides connection among client and database
Database	Must Needed	Stores Users and arrangements subtleties.
Search	Must Needed	To search fare, user and deals

3.3 NON FUNCTIONAL REQUIREMENTS

Non-functional requirements were also known as nature of a framework. Consequently it gives us information in regards to the tasks rather than conduct or functionalities, negating with the practical prerequisites in the way. Non-useful prerequisites portrayed in the framework design helping us to accomplish the quality objectives and improve the functionalities of the framework. Non-useful prerequisites are clarified in the roar given table:

NON-FR	SIGNIFICANCE	DESCRIPTION
Performance	Must Needed	Performance of system should be adequate and fast.
User Friendly Environment	Must Needed	Framework interface ought to be basic and easy to understand
Application Maintenance	Must Needed	Support of framework and documentation ought to be done altogether

Paging	Must Needed	Framework ought to be equipped for parting enormous measure of information utilizing information paging to introduce data in an easy to use way
Application Scalability	Must Needed	System should be flexible and extra for sometime later
Platform Independence	Must Needed	System should be capable to work in any condition

CHAPTER 4

SYSTEM DESIGN

4.1 SYSTEM PERSPECTIVE

The software development process can be defined as a collection of phases portraying the various procedures in the development process. System perspective involves the performance and functionalities of the system which would describe the system.

This can be defined as an initial step for identifying the solution from the start of the problem. The design can be defined as an intermediary between the stages of implementation. The output at this stage is a design of the document. In the view of a system one should not consider the system as an isolated entity.

The system perspective defines the functionalities and relationships between the environment and the system. It defines how each module in the system communicates interactively to produce a complete solution to the problem which was identified.

The main goal of SDLC is identifying and upgrading the requirement of a system in to code. Here we basically define how different modules of a system communicate and what the dependencies between each modules of the system are.

4.2 CONTEXT DIAGRAM/ DATA FLOW DIAGRAM

Context Diagram can be explained as a high level diagram or which indicates the relationship among the system and its foreign entities. Context diagram is also called as Context.
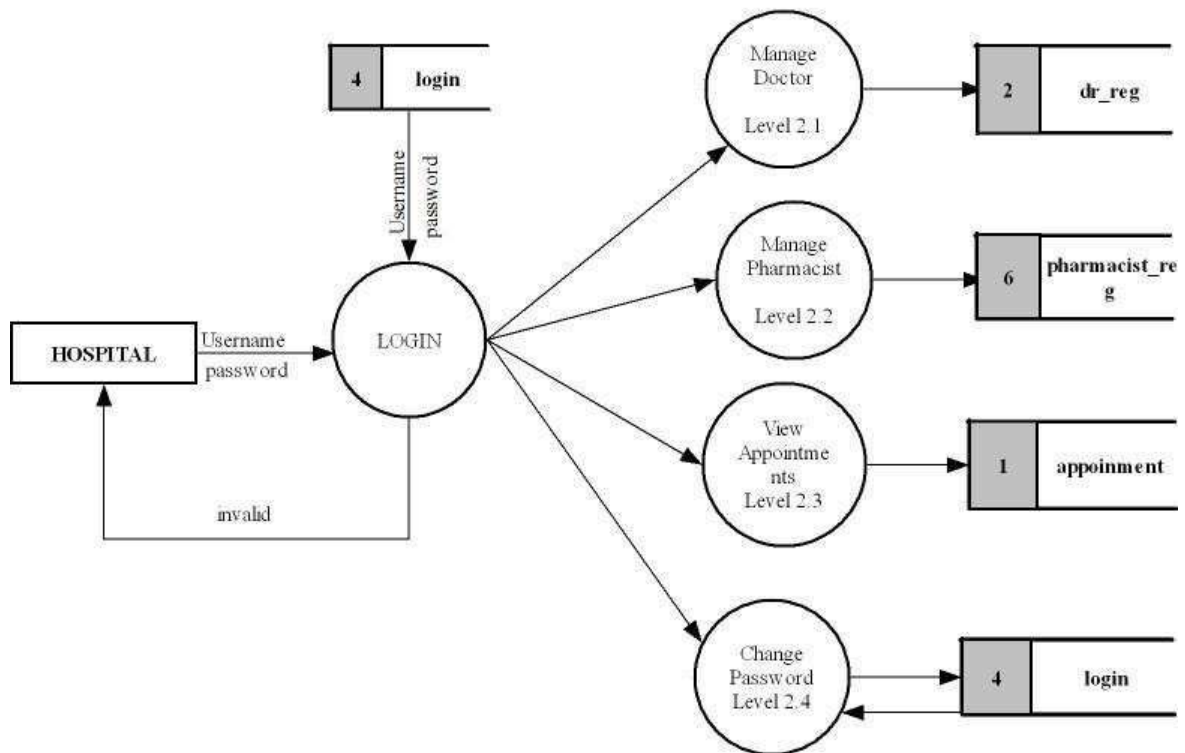
Level Data Flow Diagram. It gives a graphical perception of the progression of data, between the framework and other outside elements. It defines the inputs and output of the system and where data will be stored. A DFD is an often used as first step to create an overview of the system.
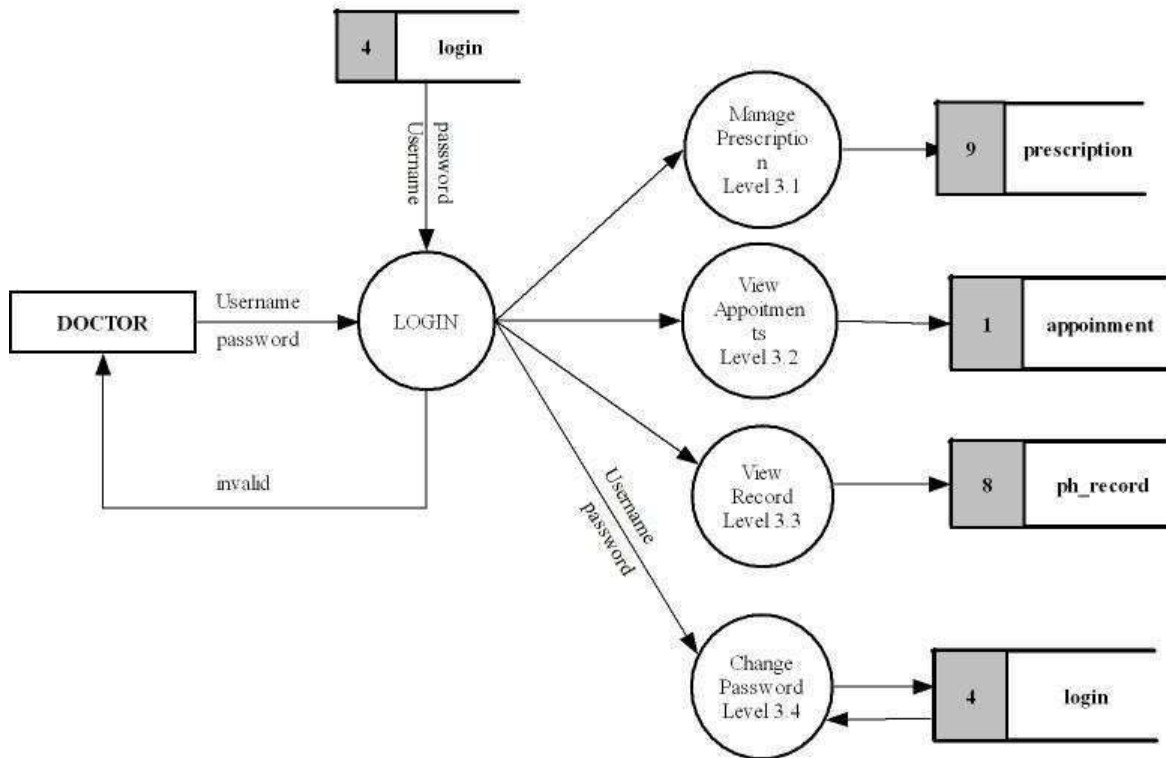
LEVEL 1. ADMIN
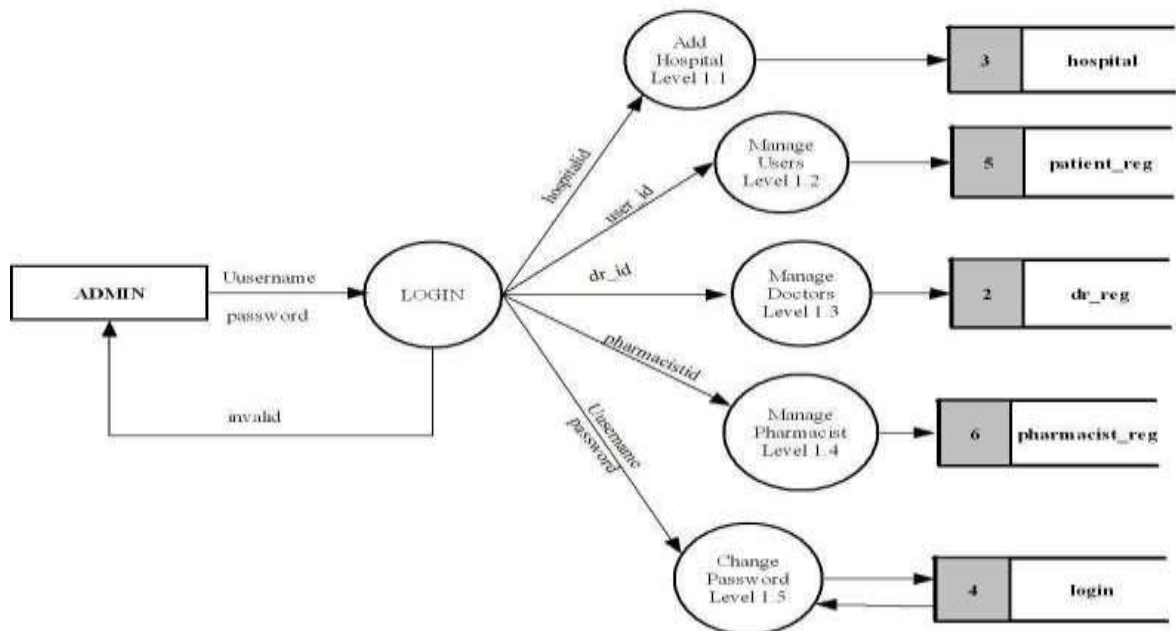
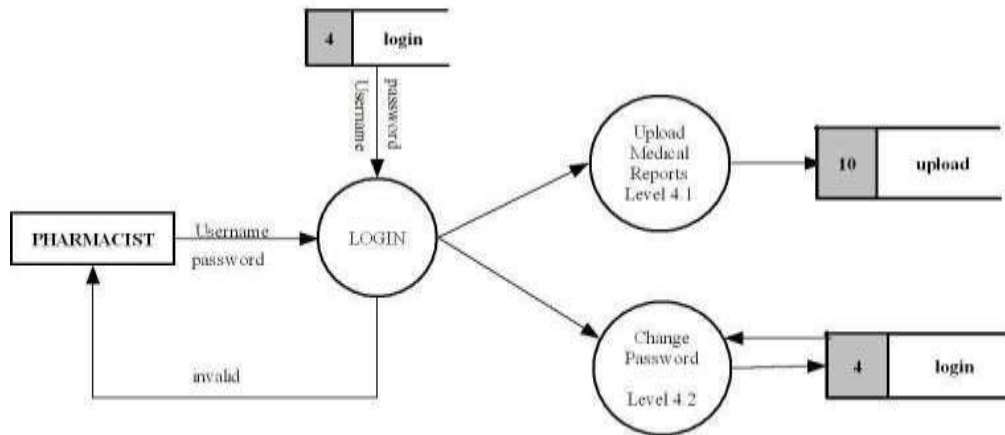**4.2(a) DFD diagram for Admin**

LEVEL -2 HOSPITAL

4.2(b) DFD diagram for Hospital

LEVEL-3 DOCTOR

**4.2(c) DFD diagram for Doctor**

LEVEL-4 PHARMACIST

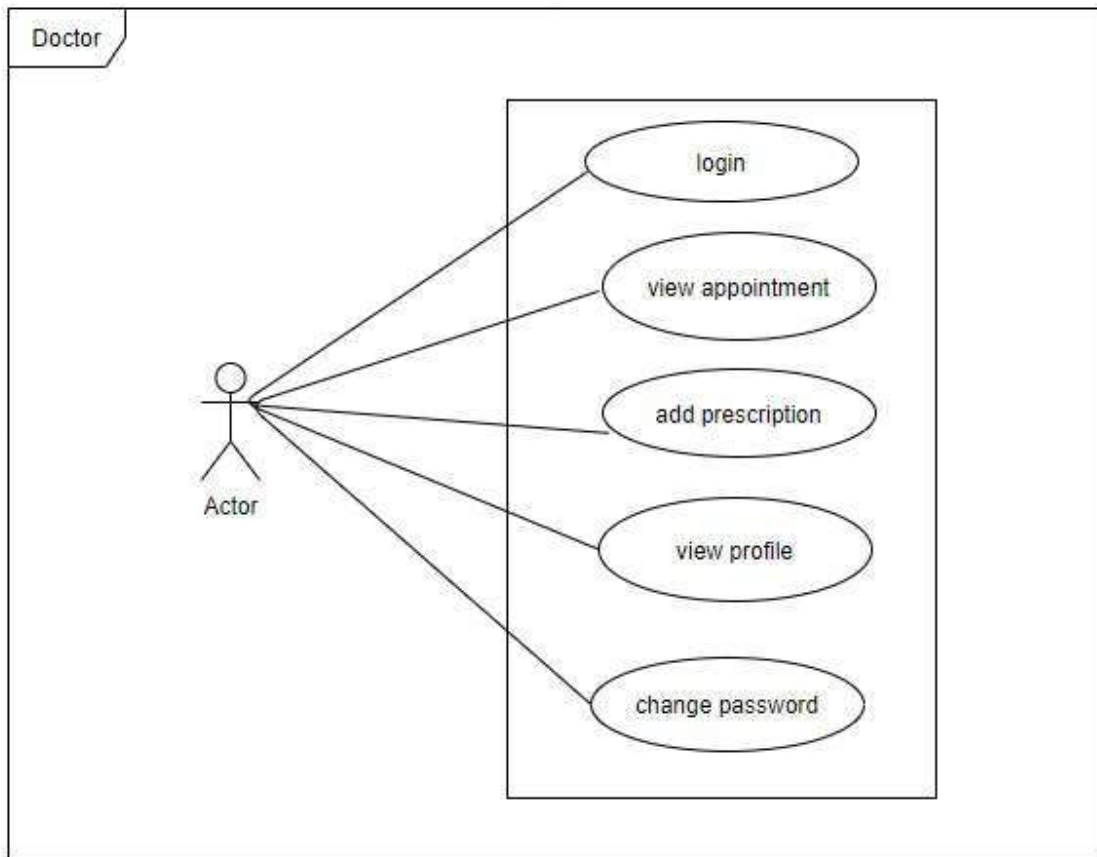**4.2(d) DFD diagram for Pharmacist**

CHAPTER 5

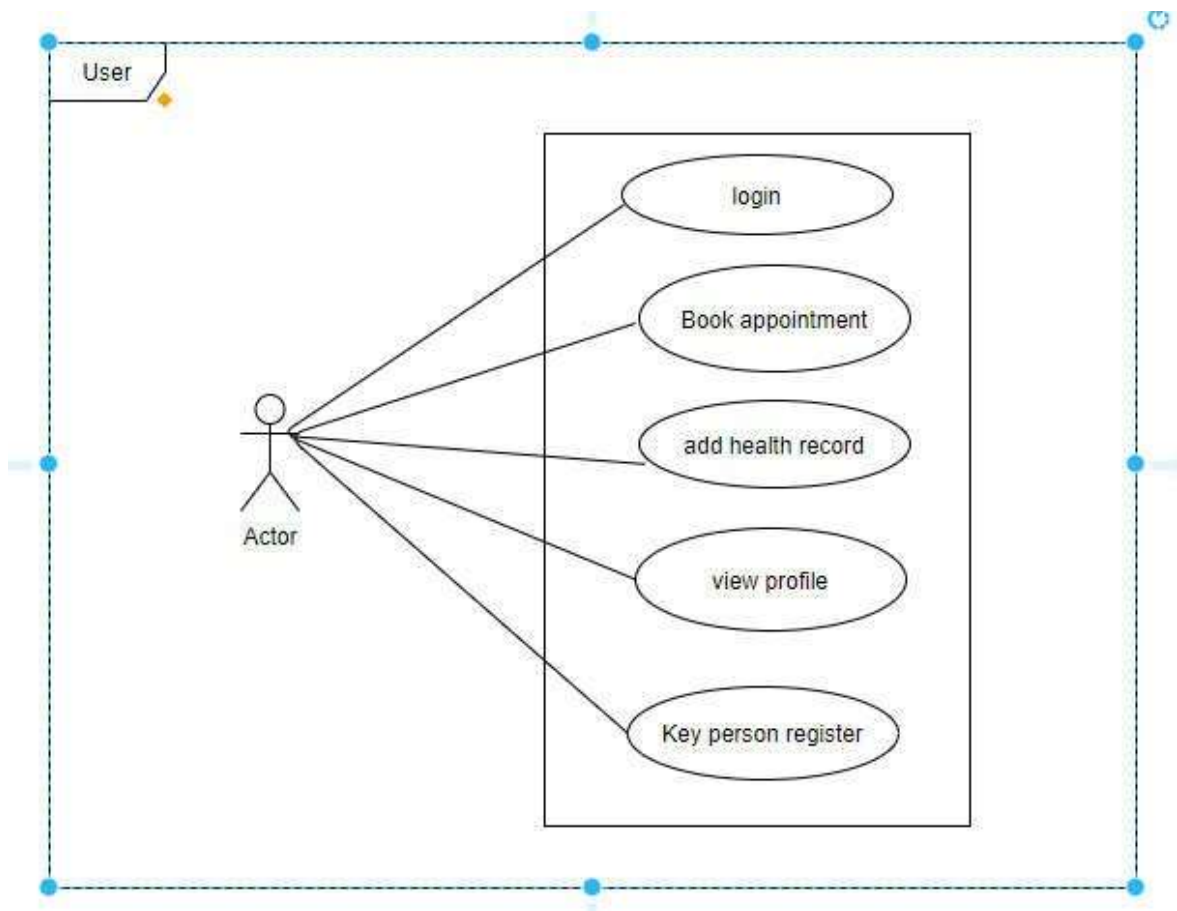# DETAILED DESIGN

5.1 USE CASE Diagrams

It defines relationship among the user and the system. It mentions the use cases where the user is to be involved, they are used to gather requirements of a system. With the help of this diagram the requirements of a system are observed and recognized.
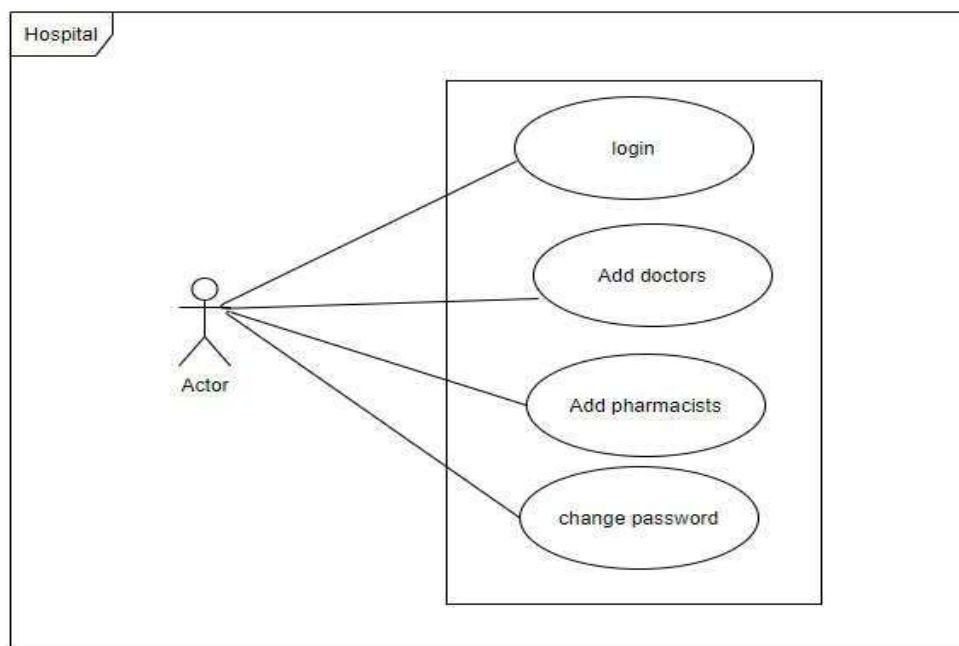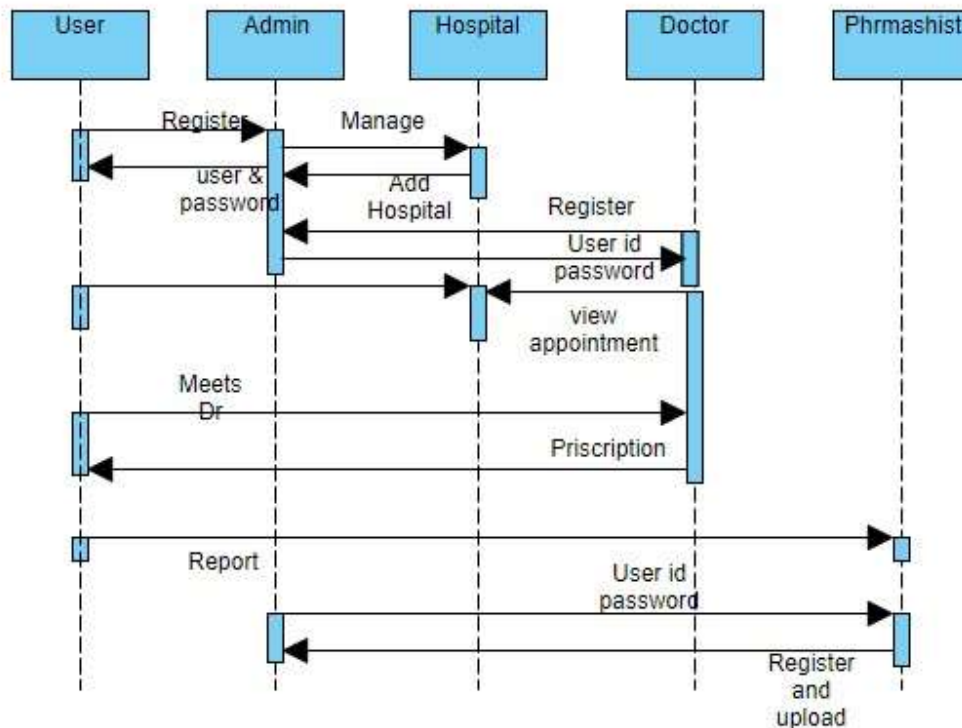

5.1(a) Use case diagram for Medicare

5.1(b) Use case diagram for Medicare

5.1(c) Use case diagram for Medicare

5.2 Sequence Diagram

It's far the diagram which represents the flow of interest in a sequential way. The interplay of the objects are being illustrated. The diagram represents the sequential waft of the messages which is being exchanged from one object to the alternative.
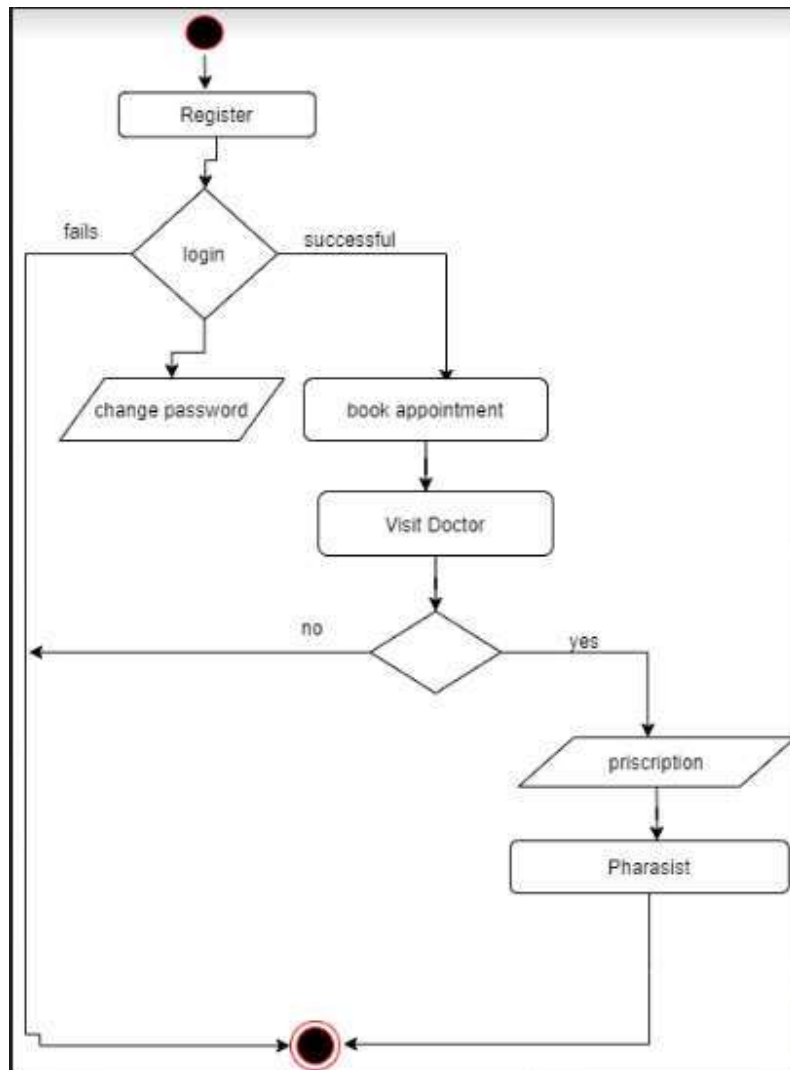

5.2 sequence diagram for Medicare

5.3 ACTIVITY DIAGRAM

Activity diagram may be described as a flowchart which depicts the glide from one pastime to every other pastime. It essentially defines the sequence of steps that's followed to perform an activity.

- Diamond symbol represents the action
- Begin of the manipulate go with the flow is indicated by means of the stable Circle.
- Strong circle inside the whole circle represents the termination of the control Flow.
- Arrow is used as connector among collection of activities.

5.3 Activity diagram for Medicare

5.4 DATABASE DESIGNING

➤ Table design

Every database has some fields, which store the required data. Each field belongs to a data.
The most common used data types are:

• Smallint and Bigint

• Double PrecisionSerial and Character Varying

• Date and Time

• Timestamp and Boolean

1. Table for patient_register

Field Name	Data Type	Constrains
Patientid	int(10)	Primary Key
Firstname	varchar(20)	NOT NULL
Lastname	varchar(20)	NOT NULL
Dob	Date	NOT NULL
Gender	varchar(10)	NOT NULL
marge_status	varchar(20)	NOT NULL
Nationality	varchar(20)	NOT NULL
Phnno	varchar(10)	NOT NULL
Email	varchar(20)	NOT NULL
Address	varchar(20)	NOT NULL
Username	varchar(20)	NOT NULL
Status	varchar(20)	NOT NULL

2. Table for appointment

Field Name	Data Type	Constrains
Id	int(10)	Primary Key
Patientname	varchar(20)	NOT NULL
Gender	varchar(10)	NOT NULL
Dob	Date	NOT NULL
Hospitalname	varchar(20)	NOT NULL
Doctorname	Varchar(20)	NOT NULL
Problem	varchar(20)	NOT NULL
currnt_status	Varchar(20)	NOT NULL
appointment_date	Date	NOT NULL

3 Table for upload

Field Name	Data Type	Constrains
Id	int(10)	Primary Key
Patientname	varchar(30)	NOT NULL
File	varchar(200)	NOT NULL

4 Table for login

Field Name	Data Type	Constrains
log_id	int(10)	Primary Key
Username	varchar(20)	NOT NULL
Password	varchar(20)	NOT NULL
Role	varchar(20)	NOT NULL
Status	varchar(20)	NOT NULL

5   Table for doctor_registration

Field Name	Data Type	Constrains
Id	int(10)	Primary Key
Firstname	varchar(20)	NOT NULL
Lastname	varchar(20)	NOT NULL
Dob	Date	NOT NULL
Gender	varchar(10)	NOT NULL
marge_status	varchar(20)	NOT NULL
Nationality	varchar(20)	NOT NULL
Phnno	varchar(10)	NOT NULL
Email	varchar(20)	NOT NULL
Address	varchar(20)	NOT NULL
Qualification	varchar(20)	NOT NULL
join_date	varchar(20)	NOT NULL
hospital_name	varchar(20)	NOT NULL
Timings	varchar(20)	NOT NULL
Specialist	varchar(20)	NOT NULL
Username	varchar(20)	NOT NULL
Status	varchar(20)	NOT NULL

CHAPTER 6

IMPLEMENTATION

The implementation stage of the undertaking is the place the hypothetical structure is fixed on working framework. At this stage the primary remaining task at hand, the best up recuperate and significant effect or existing practices movements to the client office. In this manner it tends to be viewed as the most basic stage in accomplishing a cherryful new frameworks and will giving the clients sureness that the new system will work and be incredible.

The execution stage incorporates mindful organizing, assessment of the current system and its goals on use, design of method to achieve the change, training of staff in the changeover procedures and evaluation of the changeover method. The change over may be achieved in a number of ways.

Making programming is a certain something and the usage of the made programming is something else. The way toward executing programming is a lot of troublesome when contrasted with the undertaking of making the task. First we need to execute the product from a more minor perspective for evacuating the bugs and different mistakes in the undertaking and in the wake of expelling them we can actualize the product for a huge scope. Before we consider executing the Software on an enormous premise, we should consider the Hardware prerequisites as compulsory.

At whatever point create programming or venture, a specific equipment and programming is being utilized by the developer for building up the task. Developer utilized the equipment and programming for building up the undertaking. With the end goal that it would bring about the improvement of an undertaking, which would fulfill all the essential requirements for which the undertaking has been made by the developer. The Hardware

ought to be to such an extent that cost limitations of the Client ought to likewise be considered without influencing the exhibition.

6.1 SCREEN SHOTS

6.1(a) Home Page of Medicare
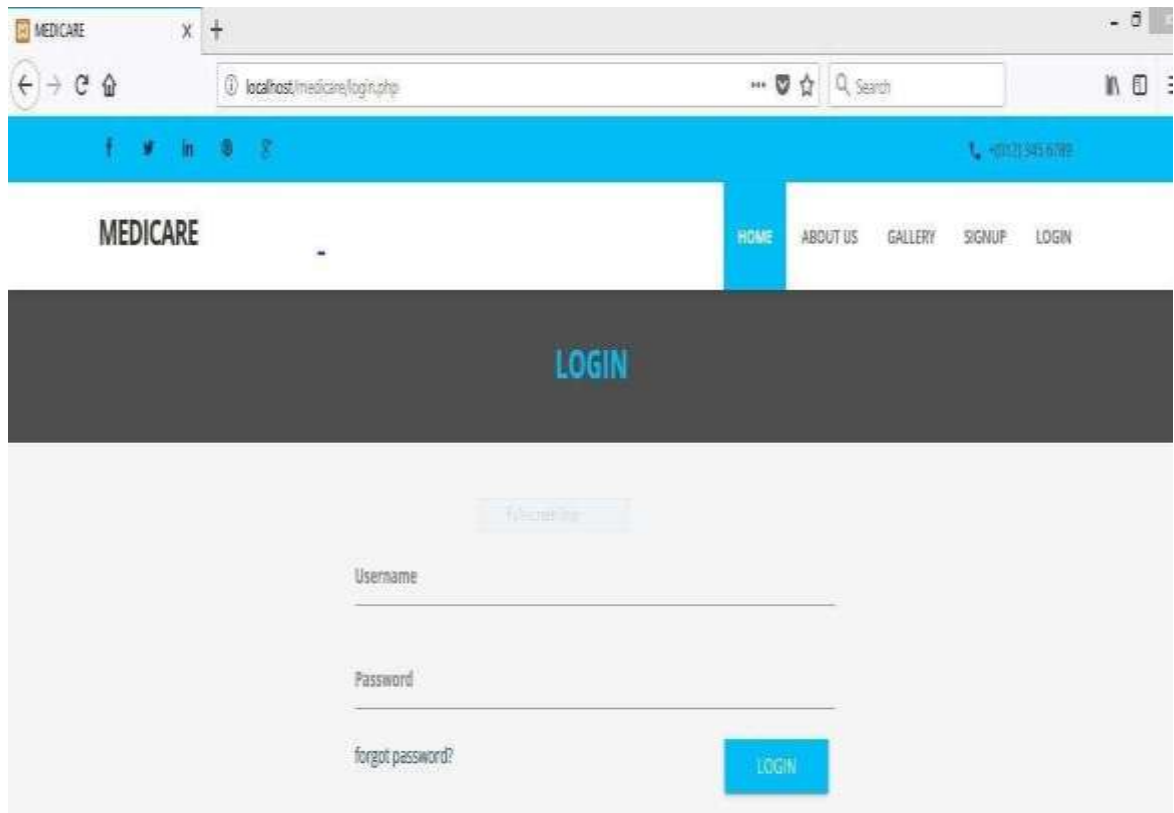
6.1(b) Login Page of Medicare

6.1(c) Registration Page of Medicare
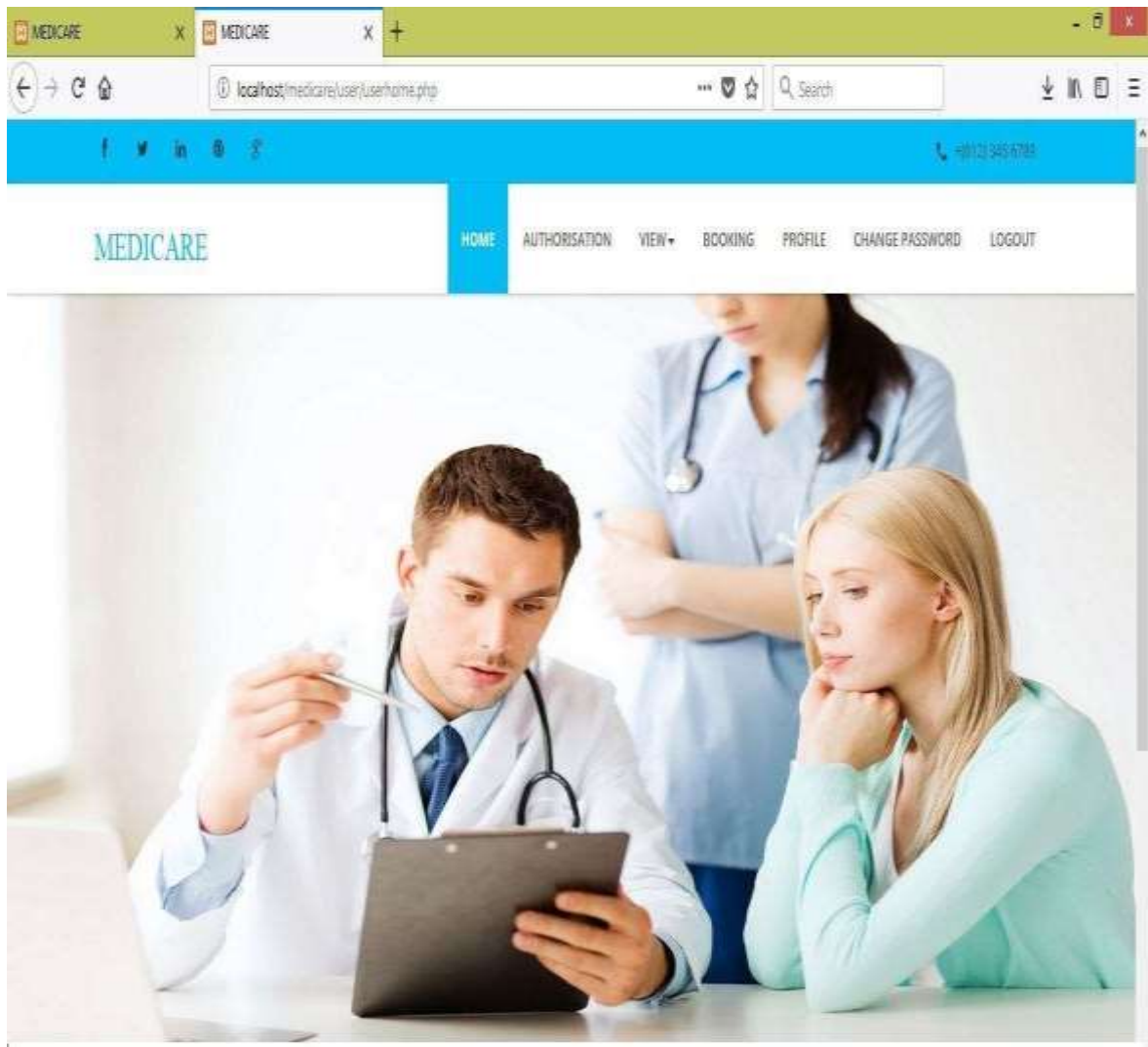
6.1(d) USER Home Page of Medicare

6.1(e) Booking Appointment page of Medicare

6.1(f) DOCTOR Home Page of Medicare

6.1(g) Prescription Page of Medicare
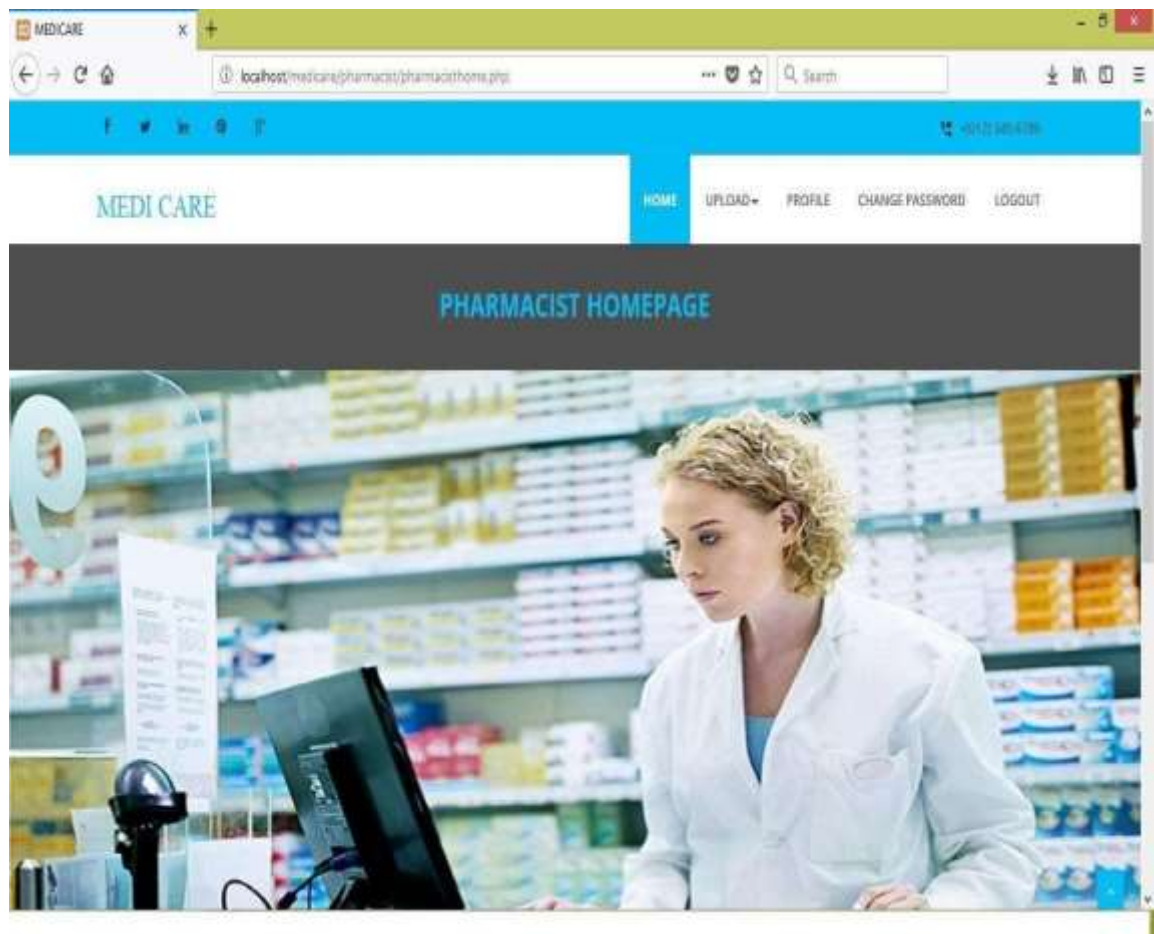
6.1(h) PHARMACHIST Home Page of Medicare
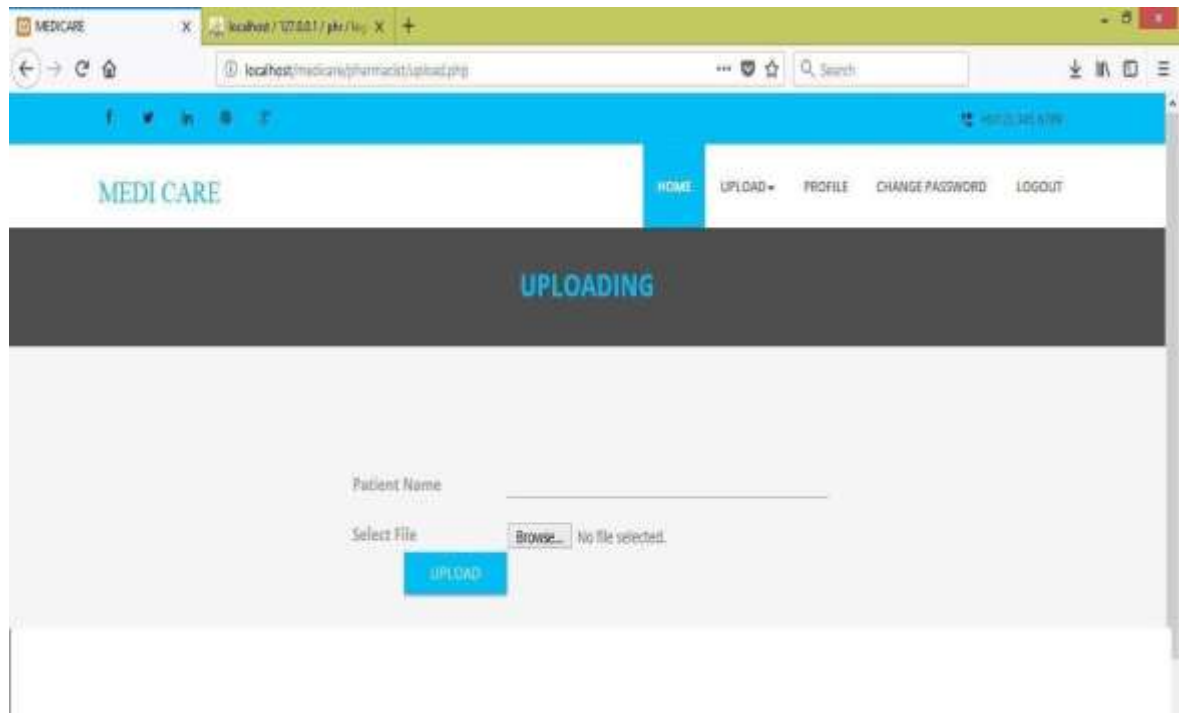
6.1(i) Upload Report Page of Medicare

CHAPTER 7
SOFTWARE TESTING

7.1 SOFTWARE TESTING

Software testing is a procedure of method of hoping to outfit accomplices with information about the idea of the thing or organization under test. Programming testing can in like manner give's a things they are sans objective viewpoint on the item to allow the business to recognize and grasp the perils of programming execution. Test techniques are fused, anyway are not limited to, the path toward executing a program or application with the objective of finding programming bugs (blunders or different deformities).

Software testing is explained by the way toward approving and confirming that a product program:

1. meets the prerequisites that suggested its plan and advancement;

2. works as predicted;

3. Can be executed with similar qualities.

    Software testing is a trying, contingent upon the testing technique used, can be executed at a specific time in the improvement procedure. Nonetheless, the majority of the testing exertion happens after the necessities have been characterized and the coding procedure has been finished. As the procedure of the test is administered by the product advancement philosophy embraced.

    Distinctive programming advancement models will focus on the test exertion at various focuses in the improvement procedure. Never advancement models, for example, Agile, frequently utilize test driven turn of events and spot an expanded segment of the testing in the possession of the designer, before it arrives at a proper group of analyzers. In other

customary model, the vast majority of the test execution happens after the necessities are characterized and the coding procedure is finished.

Testing can't be capable totally distinguish all the deformities inside programming. Rather, it decides an analysis or correlation that looks at the state and conduct of the item against prophet - standards or instruments by which somebody may be recognize an issue. These prophets may incorporate yet they are not constrained in particulars, contracts, practically identical items and past variants of a similar item, inductions about proposed or anticipated reason, client or client desires and pertinent principles and appropriate laws and so on or other standards.

Each product item has an intended interest group. Model, the crowd for computer game programming is totally unique in relation to banking and security related programming. So here when an association creates or in any case puts resources into building a product item, it can ready to evaluate that whether the product item will be satisfactory to its end clients, they are its intended interest group and its buyers, and different partners and so on. Programming testing is the way toward endeavoring to make this examination.

7.1.1 Integration testing

Integration testing an efficient testing that can be done with sample data. The need for the integration test is to find the overall system performance. The way toward consolidating numerous modules efficiently for leading tests so as to discover blunders in the interface between modules is called 'integration testing'. Integration testing is done after successful completion of unit testing.

The major form in this project is the registration of a third party to the site where he/she can add properties as well as edit the properties. Only the registered third parties can logon to the site, ie every registered third party's are given a userid and password for login. If it is provided userid & password by third party is correct they can logon to their page where they can add the properties as well as edit their properties

7.1.2 Validation testing

Validation testing can be characterized the same number of, however a solitary definition is that validation succeeds when the product capacities in a way that can be sensible excepted by the client. After approval test have been directed one of the two potential conditions exists.

The capacity or execution attributes are satisfactory and affirmed to particular. A choice from detail is revealed and characterizing list is made. Framework approval checks the nature of programming in both reproduced and live condition. The product experiences a stage where blunders and disappointments dependent on recreated client necessities are confirmed and considered. All the approvals of this venture are working effectively.

7.1.3 Unit Testing

Unit testing is a trial of a straightforward bit of code – for our situation a subroutine, a capacity, an occasion. In formal terms it is the littlest bit of code testable. It is the trying of every module and the combination of the general framework is finished. Unit testing becomes confirmation, an exertion on the littlest unit of programming in the module. This is known as "Module testing". Segment level testing is the following level testing from unit testing it implies unique. A part can have genuinely straight forward usefulness, yet it is sufficiently perplexing to warrant separating the real usage into a few littler units. In this mode of testing each and every input and output form was been tested in order to check whether they could run successfully. The software worked as expected and no bug

had blocked the execution of the test. Distinct outputs were generated for each input. Erroneous yield was handily distinguished.

Interior errors were naturally distinguished through self-testing mechanism.

7.1.4   User Acceptance Testing

Client acknowledgment of a framework is the important factor for all the achievement of every some framework. The framework viable as been tried for client acknowledgment by continually staying in contact with required framework that will be tried. After the engineers total the framework testing effectively client acknowledgment testing has being done at the client side. It is the client or the end customer that knows the plans of the experiments. In this kind of testing accentuation is on the ease of use of the item. Acknowledgment testing as been upheld maintained through alpha testing as well as beta testing.

Alpha testing will complete when all product is made operational just because to tried by the clients in designer's site. So lpha testing is conceivable this it may make part of changes in the program code. Beta testing always follows alpha testing only yet now the testing will make at the client's site that approves all item subsequent to utilizing it for scarcely any days. At this stage hardly any progressions when contrasted with alpha testing would be made to the item. Here a third party was allowed to run this project. He could run this project by himself without any help from others, because the graphical user interface of this project was very much user friendly.

7.1.5 White Box Testing

Structural testing can explained by chiefly experiment plan technique that utilized for the control structure of the procedural structure to drive experiments. Utilizing white box testing techniques it was ensured that the vast majority of the free ways inside modules had been practiced in any event once, all consistent choice on their actual and bogus sides, executed all circles at their limits and practiced interior information structures to guarantee their information legitimacy. All codes in my undertaking were effectively checked for mistakes and guaranteed that there were no blunders.

7.1.6 Black Box Testing

Although tests are intended to reveal errors, they are additionally used to exhibit that the product capacities are operational, input is appropriately acknowledged and yield is accurately created and that the respectability of outer data is kept up. A discovery test looks at some of major parts of a framework with little respect for the inward legitimate structure of the product.

All input screens were thoroughly tested for data validity and smoothness of data entry operations. Test cases were so formulated to verify whether the system works properly in rare conditions also. Error conditions were checked. Data entry operations are to be user friendly and smooth. Care was taken to make data entry as smooth as possible. Flow of object was made convenient to the data entry operations.

7.2 TEST PLAN

The test plan describes the testing scope, approach, resources and schedule of intended activity. Among many of test items it identifies the features to be tested, and assigning which will do what task, how independent the tester is, the environment in which the test is going to be done, what are the design techniques that are to be used section and leave

measures to be utilized, and the the risks involving contingency planning. In general, it defines the test planning process.

7.2.1 Test Data

Testing Data is the one which can used for testing the qualities? Test data is used to perform testing.

7.2.2 Test Report

Test Report is wanted to estimate the consequences in a formal way. It's miles a record that records information were given from an assessment strive in a composed manner, depicts the natural or running conditions, and demonstrates the examination of check comes approximately with take a look at targets.

Test 1: Sign Up / Sign in Test These following test cases are mainly used in this project.

1. USER REGISTRATION

Prepared by:	Naveena C P	
Tested by:	Naveena C P	Date:
Execution Time:	15 minutes	Date:
Category:	Description:	
Prerequisite(s)/Test:		
Test Objective:	To ensure that a fields are checked before adding into the System	

Procedures:	1. Select registration form
	2. Input the information as listed
	3. For email address, key in a wrong email address 4.Leave name blank 5. Leave username and password
Expected Resulted:	Every of the errors above should not allow the advisor to Continue
Actual Result:	As expected
Test Status:	Pass: √	Fail**:**
Comments	

2. LOGIN

Login Check

Prepared by:	Naveena C P	
Tested by:	Naveena C P	Date:
Execution Time:	15 mins	Date:

Category:	Description:	
Prerequisite(s)/Test:	Login form should be displayed	
Test Objective:	To ensure that Username and Password is valid before logging in.	
Procedures:	1. Key in an invalid Username 2. Key in an invalid Password	
Expected Results:	The system should display "User name and Password mismatch"	
Actual Results:	As expected	
Test Status:	Pass: √	Fail:
Comments:		

User Login

Prepared by:	Naveena C P	
Tested by:	Naveena C P	Date:

Execution Time:	15 mins	**Date:**
Category:	Description:	
Prerequisite(s)/Test:	Login form should be displayed	
Test Objective:	To ensure that User name and Password is valid before logging in.	
Procedures:	**5** Key in a valid User name **6** Key in a valid Password	
Expected Results:	The system should display "Login success" in the login form and the User main page	
Actual Results:	As expected	
Test Status:	Pass: √	Fail:
Comments:		

3. View User Details

Prepared by:	Naveena C P	
Tested by:	Naveena C P	**Date:**
Execution Time:	15 mins	**Date:**
Category:	**Description:**	
Prerequisite(s)/Test:	1. User should be logged into the system.	
Test Objective:	To ensure that all User details should be displayed on the screen.	
Procedures:	1. Selects View 2. Display the current User details.	
Expected Results:	The result should display "User Details".	
Actual Results:	As expected	
Test Status:	Pass: √	Fail:
Comments:		

4. LOGOUT

- Confirm Logout

Prepared by:	Naveena C P	
Tested by:	Naveena C P	Date:
Execution Time:	15 mins	Date:
Category:	Description:	
Prerequisite(s)/Test:	User should already be logged in the system	
Test Objective:	To ensure that User can logout from the system	
Procedures:	1. Select "Logout".	
Expected Results:	The system should display the home page once user selects Logout	
Actual Results:	As expected	
Test Status:	Pass: √	Fail:
Comments:		

CHAPTER 8

CONCLUSION

This scheme endeavors to study the patient-centric secure sharing of PHRs stored on semi trusted servers, and focus on addressing the complicated and challenging key management issues. A Personal Health Record (PHR) is the patient maintains a health record where health data and information related to the care of a patient. Patients control the health information in PHR and can get it anywhere at any time with Internet access. According to me having a personal health record can be a lifesaver to people. To protect the personal health data stored on a semi-trusted server, Attribute-Based Encryption (ABE) method is used. Using ABE, files are encrypted under a set of attributes. Access policies are expressed based on the attributes of users or data, which enables patients to selectively share their PHR among a set of users. The proposed system features is a low computation cost and confidentiality of the training set. Future enhancement can be done by using extended futures of open source APIs in more efficient privacy training set and real time.

CHAPTER 9

FUTURE ENHANCEMENT

In the new web application more security should be provided. In future, make it as more secure than the present system. The system can be further enhanced and more user friendly by adding more features. The system can be made more user friendly so that it is easy for both the hospital and user to interact.

APPENDIX A

BIBLIOGRAPHY

REFERENCE BOOKS:

- Beginning PHP and MYSQL,W.Jason Gilmore,Apress,2010,4E

- PHP6 and MYSQL,Steve Suehring,Tim Converse and Joyee Park,

    o Wiley India 2010,2E

- HTML4,E.Stephen Mask,Janan Platt BPB Publications,1E 1998.

REFERENCE BOOKS:

http://wikipedia.org/
http://www.tutorialspoint.com/

https://www.geeksforgeeks.org/

****