HIMALAYAN INSTITUTE OF TECHNOLOGY DEHRADUN

(AFFILIATED TO H.N.B CENTRAL UNIVERSITY, SRINAGAR)



PROJECT REPORT

ON

**“HOSPITAL MANAGEMENT SYSTEM”**

SUBMITTED FOR PARTIAL FULFILLMENT OF

**BACHELOR OF COMPUTER APPLICATION**

**H.N.B GARHWAL CENTRAL UNIVERSITY, SRINAGAR**



# 2019-2022

SUBMITTED BY: SUBMITTED TO:

# AYUSH RAWAT MR.SACHIN JAIN

**BCA 6th SEM**

ENROLLMENT NO.**G192200120**

**HIMALAYAN INSTITUTE OF TCHNOLOGY**

**DEHRADUN**

(AFFILIATED TO H.N.B GARHWAL CENTRAL UNIVERSITY,SRINAGAR)

**CERTIFICATE**

This is certify that project entitled "**HOSPITALMANAGEMENT SYSTEM"**submitted by **AYUSH RAWAT** in the partial fulfillment of the requirement forthe award of the degree **"BACHELOR OF COMPUTER APPLICATION**" is a record of bona-fide work carried out in this organization under my supervisionhas not been submitted anywhere else for any other purpose.

**MR.SACHIN JAINProf. ARRCHANA JASOLA**

(Subject Incharge) (Director)

**ACKNOWLEDGEMENT**

I am grateful to my college **HIMALAYAN INSITUTE OF TECHNOLOGY,**Dehradun and Director **Prof. Arrchana Jasola** for giving me an opportunity to undergo training program which is a part of course curriculum in **BCA[BACHELOR OF COMPUTER APPLICATION]**. I have prepared a project entitled **"HOSPITAL MANAGEMENT SYSTEM"**.

I also grateful to my faculty **Mr.Sachin Jain** for guiding and supervising me to complete the project report.

**AYUSH RAWAT**

**BCA 6th SEM**

**DECLARATION**

I hereby declare that project report entitled, **"HOSPITAL MANAGEMENT SYSTEM",** has been written and submitted by me, under guidance of computer science faculty in my original work.

The finding in the report is based on the task done by me in the **"HIMALAYAN INSTITUTE OF TECHNOLOGY, DEHRADUN",** While preparing the report, I have not copied anything from any source or other project submitted for similar purpose.

**PLACE: DEHRADUN AYUSH RAWAT**

**DATE:**

**TABLE OF CONTENT**

**1. Introduction** 1-3

1.1 About Project

1.2 Aims,Objectives,Vision

**2. System Study** 4-5

2.1 System Objectives

2.2 Feasibiity Study

**3. System Design** 6-9

3.1 Software Hardware Requirement Specifications

**4. System Design** 10-17

4.1 E-R Diagram

4.2 Data Flow Diagram

**5. System Coding** 18-67

**6. Input/Output forms** 68-74

**7. Testing** 75-77

**8. Maintaineance** 77-80

**9. Conclusion** 81

**10.Future Scope** 82

**11.** **Reference** 83

## 

## 1. Introduction

Human Body is a very complex and sophisticated structure and comprises of millions of functions. All these complicated functions have been understood by man him, part-by-part their research and experiments. As science and technology progressed, medicine became an integral part of the research. Gradually, medical science became an entirely new branch of science. As of today, the Health Sector comprises of Medical institutions i.e. Hospitals, HOSPITALs etc. research and development institutions and medical colleges. Thus the Health sector aims at providing the best medical facilities to the common man.

**About Project**

Hospital Management Information System (HMIS) has been developed with the objective of streamlining the treatment flow of a patient in the hospital, while allowing doctors and other staff to perform to their peak ability, in an optimized and efficient manner. The HMIS developed by Easy Solution is modular, thus ensuring sustained benefits through changes in technology, protecting and providing optimal returns from the investment. It is modeled on a unique combination of a 'patient centric and medical staff centric' paradigm, beneficial to the recipients and the providers of healthcare. HMIS uses a network of computers to gather, process, and retrieve patient care and administrative information for all hospital activities to satisfy the functional requirement of the users. It also helps as a decision support system for the hospital authorities for developing comprehensive health care policies. The HMIS incorporates an integrated computerized clinical as well as financial information system for improved hospital administration and patient health care. It also provides an accurate, electronically stored medical record of the patient. A data warehouse of such records can be utilized for statistical requirements and for research. HIS is based on the exemplar of a centralized information system designed for quick delivery of operational and administrative information.The software is built around a highly optimized core library. Application modules are layered around this core and can be suitably customized for any user specific requirements.

**1.2 Aims**

Since Hospital is associated with the lives of common people and their day-to-day routines so I decided to work on this project.The manual handling of the record is time consuming and highly prone to error. The purpose of this project is to automate or make online, the process of day-to-day activities like Room activities, Admission of New Patient, Discharge of Patient, Assign a Doctor, and finally compute the bill etc. I have tried my best to make the complicated process Hospital Management System as simple as possible using Structured & Modular technique & Menu oriented interface. I have tried to design the software in such a way that user may not have any difficulty in using this package & further expansion is possible without much effort. Even though I cannot claim that this work to be entirely exhaustive, the main purpose of my exercise is perform each Hospital’s activity in computerized way rather than manually which is time consuming.I am confident that this software package can be readily used by non-programming personal avoiding human handled chance of error.

**Objectives**

Hospital are the essential part of our lives, providing best medical facilities to people suffering from various ailments, which may be due to change in climatic conditions, increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and other staff personals that keep the hospital running smoothly & successfully.But keeping track of all the activities and their records on paper is very cumbersome and error prone. It also is very inefficient and a time-consuming process Observing the continuous increase in population and number of people visiting the hospital. Recording and maintaining all these records is highly unreliable, inefficient and error-prone. It is also not economically & technically feasible to maintain these records on paper. Thus keeping the working of the manual system as the basis of our project. We have developed an automated version of the manual system, named as “Administration support system for medical institutions”.The main aim of our project is to provide a paper-less hospital up to 90%. It also aims at providing low-cost reliable automation of the existing systems. The system also provides excellent security of data at every level of user-system interaction and also provides robust & reliable storage and backup facilities.

**Vision**

The proposed software product is the Hospital Management system (HMS). The system will be used in any hospital, clinic, dispensary or pathology labs. Clinic, dispensary or pathology to get the information from the patients and then storing that data for future usages. The current system in use is a paper based system. It is too slow and cannot provide updated lists of patients within reasonable timeframe. The intention of the system is to reduce over-time pay and increase the number of patients that can be treated accurately. Requirement statements in these documents are both functional and non-functional.

**2.** **System Study**

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

The objective of this project is to develop hospital management software based on

Microsoft window application with structured Query language (T-SQL and SQL Server as a

database) as the back-end database hospital from file based system to a computer database

system. This software will help the company to be more efficient in handling the daily

activities and registration of their patients. The purpose of this project is to give a complete

requirement documentation, design, and implementation of the software. It also explains the

user interface, hardware and software and different models that could be used to develop

software such as this.

Hospital are the essential part of our lives, providing best medical facilities to people

suffering from various ailments, which may be due to change in climatic conditions,

increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep

9

track of its day-to-day activities & records of its patients, doctors, nurses, ward boys and

other staff personals that keep the hospital running smoothly & successfully

**2.1 System Objectives**

The objective of this project is to develop hospital management system based on Microsoft window application with structured Query language (MySQL and SQL Server as adatabase) as the back-end database hospital from file based system to a computer databasesystem. This software will help the company to be more efficient in handling the dailyactivities and registration of their patients. The purpose of this project is to give a completerequirement documentation, design, and implementation of the software. It also explains theuser interface, hardware and software and different models that could be used to developsoftware such as this. Hospital are the essential part of our lives, providing best medical facilities to peoplesuffering from various ailments, which may be due to change in climatic conditions,increased work-load, emotional trauma stress etc. It is necessary for the hospitals to keep track of its day-to-day activities & records of its patients, doctors, nurses, ward boys andother staff personals that keep the hospital running smoothly & successfully.

**2.2 Feasibiity Study**

**1-Technical Feasibility:** This is concerned with specifying equipment and software that will successfully satisfy the user requirement; the technical needs of the system may vary considerably, but might include:The facility to produce outputs in a given time:

* Response time under conditions.
* Ability to process a certain volume of transaction at a particular seep.
* Facility to communicate data to distant location.

**2-Operational Feasibility:** It is mainly related to human organization and political aspects. The points to be considered are:

* + - 1. What changes will be brought with the system?
      2. What organizational structures are distributed?
      3. What new skills will be required? Do the existing staff members have these skills? If not, can then the trained due course of time

**3-Economic Feasibility:** Economic analysis is the most frequently used technique for evaluating the effectiveness of a proposed system. More frequently known as cost/benefit system and compare them with costs. If benefits outweigh costs, a decision is taken to design and implement the system.

**4-Management Feasibility:** It is a determination of whether a proposed project will be acceptable to management. If does not accept a project of gives a negligible support to it; the analyst will tend to view the project as a no feasible one.

**5-Social Feasibility:** Social feasibility is a determination of whether the project will be acceptable to the people or not. This determination typically examines the probability of the project accepted by the group directly affected by the proposed system change.

**3.System Analysis**

System Analysis is a separation of a substance into parts for study and their implementation and detailed examination.

Before designing any system it is important that the nature of the business and the way it currently operates are clearly understood. The detailed examination provides the specific data required during designing in order to ensure that all the client's requirements are fulfilled. The investigation or the study conducted during the analysis phase is largely based on the feasibility study. Rather it would not be wrong to say that the analysis and feasibility phases overlap. High-level analysis begins during the feasibility study. Though analysis is represented as one phase of the system development life cycle (SDLC), this is not true. Analysis begins with system initialization and continues until its maintenance. Even after successful implementation of the system, analysis may play its role for periodic maintenance and up gradation of the system. One of the main causes of project failures is inadequate understanding, and one of the main causes of inadequate understanding of the requirements is the poor planning of system analysis.

**3.1 Software Hardware Requirements Specification**

* **HARDWARE SPECIFICATION**

RAM: 4gb

HARD DISK: 1gb

PROCESSOR: intel core i5

PRINTER: INK-JET PRINTER

* **SOFTWARE SPECIFICATIONS**

## Software used as front end

* PHP (CGI), HTML, CSS, javascript

## Software used as back end

* MySQL

## Operating System used

* Window 10

**INTRODUCTION TO PHP**

|  |
| --- |
| The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. |

PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994.

* PHP is a recursive acronym for "PHP: Hypertext Preprocessor".
* PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
* It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
* PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time.
* PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time.
* PHP is forgiving: PHP language tries to be as forgiving as possible.
* PHP Syntax is C-Like.

**Characteristics of PHP:**

Five important characteristics make PHP's practical nature possible:

* Simplicity
* Efficiency
* Security
* Flexibility
* Familiarity

**PHP Environment Setup:**

In order to develop and run PHP Web pages three vital components need to be installed on your computer system.

**Web Server -** PHP will work with virtually all Web Server software, including Microsoft's Internet Information Server (IIS) but then most often used is freely available Apache Server.

**Database -** PHP will work with virtually all database software, including Oracle and Sybase but most commonly used is freely available MySQL database. Download MySQL for free here: http://www.mysql.com/downloads/index.html.

**PHP Parser -** In order to process PHP script instructions a parser must be installed to generate HTML output that can be sent to the Web Browser. This tutorial will guide you how to install PHP parser on your computer.

**4. System Design**

Software design sits at the technical kernel of the software engineering process and is applied regardless of the development paradigm and area of application. Design is the first step in the development phase for any engineered product or system. The designer’s goal is to produce a model or representation of an entity that will later be built. Beginning, once system requirement have been specified and analysed, system design is the first of the three technical activities -design, code and test that is required to build and verify software.

The importance can be stated with a single word “Quality”. Design is the place where quality is fostered in software development. Design provides us with representations of software that can assess for quality. Design is the only way that we can accurately translate a customer’s view into a finished software product or system. Software design serves as a foundation for all the software engineering steps that follow. Without a strong design we risk building an unstable system – one that will be difficult to test, one whose quality cannot be assessed until the last stage.

During design, progressive refinement of data structure, program structure, and procedural details are developed reviewed and documented. System design can be viewed from either technical or project management perspective. From the technical point of view, design is comprised of four activities – architectural design, data structure design, interface design and procedural design.

### Database Design

Database design is the process of producing a detailed data model of database. This data model contains all the need logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database. A fully attributed data model contains detailed attributes for each entity.

The term database design can be used to describe many different part of the design of an overall database system. Principally, and most correctly, it can be thought of as the logical design of the base data structure used to store the data. In the relational model these are the tables and views. In an object database the entities and relationships map directly to object classes and named relationships. However, the term database design could also be used to apply to the overall process of designing, not just the base data structure, but also the forms and queries used as part of the overall database application within the database management system.

**4.1-E-R Diagram of Hospital Management System**

* The relation upon the system is structure through a conceptual ER-Diagram, which not only specifics the existential entities but also the standard relations through which the system exists and the cardinalities that are necessary for the system state to continue.
* An entity-relationship diagram (ERD) is an abstract and conceptual representation of data. Entity- relationship modeling is a database modeling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database, and its requirements in a top-down fashion.
* The set of primary components that are identified by the ERD are
* Data object
* Relationships
* Attributes
* Various types of indicators.

The primary purpose of the ERD is to represent data objects and their relationships.

**Patient**

**information**

**Admit**

**Hospital**

**Room**

**Patients**

**Doctor record**

**Doctor**

**Hospital**

**Hospital**

**On Line Appointment**

**Patient**

**Fig. 4.1: E-R Diagram**

### 4.2-Data Flow Diagram of Hospital Management System

A data flow diagram is graphical tool used to describe and analyse movement of data through a system. These are the central tool and the basis from which the other components are developed. The transformation of data from input to output, through processed, may be described logically and independently of physical components associated with the system. These are known as the logical data flow diagrams. The physical data flow diagrams show the actual implements and movement of data between people, departments and workstations. A full description of a system actually consists of a set of data flow diagrams. Each component in a DFD is labelled with a descriptive name. Process is further identified with a number that will be used for identification purpose. The development of DFD’S is done in several levels. Each process in lower level diagrams can be broken down into a more detailed DFD in the next level. The lop-level diagram is often called context diagram. It consists a single process bit, which plays vital role in studying the current system. The process in the context level diagram is exploded into other process at the first level DFD.

The idea behind the explosion of a process into more process is that understanding at one level of detail is exploded into greater detail at the next level. This is done until further explosion is necessary and an adequate amount of detail is described for analyst to understand the process.

Larry Constantine first developed the DFD as a way of expressing system requirements in a graphical from, this lead to the modular design.

A DFD is also known as a “bubble Chart” has the purpose of clarifying system requirements and identifying major transformations that will become programs in system design. So it is the starting point of the design to the lowest level of detail. A DFD consists of a series of bubbles joined by data flows in the system.

**DFD SYMBOLS:**

In the DFD, there are four symbols

1. A square defines a source(originator) or destination of system data
2. An arrow identifies data flow. It is the pipeline through which the information flows
3. A circle or a bubble represents a process that transforms incoming data flow into outgoing data flows.

Source or Destination of data

Data flow

Data Store

Process that transforms incoming data flow

**Fig 5.3.1 DFD SYSMBOLS**

Hospital Management

System

Appointment

Management

Login Management

Doctor

Management

System User Management

Staff

Management

Patient

Management

Admin

Management

**Zero Level DFD-Hospital Management System**

Generate

Doctor Report

Hospital

Management System

Login

Management

Check User Login

Details

Generate system User Report

Generate

Appointment Report

Appointment

Management

System User

Management

Patient Management

Generate

Patient Report

staff Management

Generate

Staff Report

Doctor

Management

Check All Details

Admin Management

First Level DFD - Hospital Management System

**5.System Coding**

**Database**

<?php

$servername = "localhost";

$username = "root";

$password = "";

$database = "new\_hms";

$connection = mysqli\_connect($servername,$username,$password,$database);

if(!$connection){

die("Error To Stablish Database:".mysqli\_error($connection));

}

?>

**Index Page**

**Header**

<?php

session\_start();

include 'database.php';

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Hospital Management System</title>

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@600&display=swap" rel="stylesheet">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css" integrity="sha512-9usAa10IRO0HhonpyAIVpjrylPvoDwiPUiKdWk5t3PyolY1cOd4DSE0Ga+ri4AuTroPR5aQvXU9xC6qOPnzFeg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js" integrity="sha512-894YE6QWD5I59HgZOGReFYm4dnWc1Qt5NtvYSaNcOP+u1T9qYdvdihz0PPSiiqn/+/3e7Jo4EaG7TubfWGUrMQ==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<div class="header">

<div class="header-content">

<img src="images/logo.png" width="75" height="auto">

<div class="navbar">

<ul>

<li><a href="index.php">Home</a></li>

<li><a href="about.php">About Us</a></li>

<li><a href="appointment.php">Appointment</a></li>

<li><a href="">Contact Us</a></li>

<?php

if(isset($\_SESSION['userid'])){

$userId = $\_SESSION['userid'];

$sql = "select \* from hms\_user where id='$userId'";

$userQuery = mysqli\_query($connection,$sql);

$userDataCount = mysqli\_num\_rows($userQuery);

if($userDataCount>0){

$userData = mysqli\_fetch\_assoc($userQuery);

$userRole = $userData['role'];

?>

<li><a id="dropdown">Hello <?php echo $userData['nickname'] ?><i id="dropDownIcon" class="fa-solid fa-caret-down"></i></a></li>

<div class="dropdown">

<?php if($userRole == 'Admin' || $userRole == 'Doctor' || $userRole == 'Staff'){

?>

<li><a href="dashboard.php">Dashboard</a></li>

<?php }

elseif($userRole == 'user') {?>

<li><a href="profile.php">Profile</a></li>

<?php } ?>

<li><a href="logout.php">Log Out</a></li>

</div>

<?php

}

}

else{

?>

<li><a href="Register.php">Register</a></li>

<li><a href="Login.php">Login</a></li>

<?php } ?>

</ul>

</div>

</div>

</div>

<script>

$('#dropdown').click(function(){

$('.dropdown').toggle();

$('#dropDownIcon').toggleClass("rotate");

})

</script>

<section class="section-1">

<div class="section-1-content">

<div class="content">

<h2>Hospital<br>Management<br>System</h2>

</div>

</div>

</section>

<section class="ourServices">

<h2>Our Services</h2>

<div class="first-row">

<div class="colums">

<i class="fa-solid fa-kit-medical"></i>

<h4>Consultation</h4>

</div>

<div class="colums">

<i class="fa-solid fa-heart-pulse"></i>

<h4>Dialysis</h4>

</div>

<div class="colums">

<i class="fa-solid fa-kit-medical"></i>

<h4>Emergency room</h4>

</div>

</div>

<div class="first-row">

<div class="colums">

<i class="fa-solid fa-heart-pulse"></i>

<h4>Insurance Schemes</h4>

</div>

<div class="colums">

<i class="fa-solid fa-kit-medical"></i>

<h4>Physiotherapy</h4>

</div>

<div class="colums">

<i class="fa-regular fa-clock"></i>

<h4>24X7 Services</h4>

</div>

</div>

</section>

<section class="aboutUs">

<h3>About Us</h3>

<p>Hospital management system was introduced with the cause for helping hospitals speed up their processes.<br>Hospital management system is a computer system that helps manage the information related to health care and aids in the job completion of health care providers effectively......</p>

<button class="aboutBtn"><a href="about.php">Read more</a></button>

</section>

**Footer**

<div class="footer">

<div class="first-footer">

<h2>Contact Us</h2>

<p>+91 7351352911

<br>+91 9068093262

</p>

</div>

<div class="first-footer">

<h2>Email</h2>

<p>ayush2002rawat@gmail.com</p>

</div>

<div class="first-footer">

<p>@copyright created by<br>Ayush Rawat</p>

</div>

</div>

</body>

</html>

**About Us Page**

<section class="aboutUs">

<h3>About Us</h3>

<p>Hospital management system was introduced with the cause for helping hospitals speed up their processes.</p>

</section>

<section class="about-page-content">

<p>

The Himalayan Institute Hospital Trust is a society registered under the Society Registration Act 1860. The Society was founded by the great yogi, H.H. Dr. Swami Rama, in the year 1989. Today, the Society (HIHT) is engaged in multifarious activities in the field of research, education, health care, social and outreach.<br>

</p>

<h4>The Main aims and objectives of the Society are:</h4><br>

<ul>

<li> To undertake activities and research programmes for the extension of knowledge in the fields of natural, social and applied sciences, holistic medicine, preventive medicine, science of breath, psycho-physiology, nutrition, stress management and cancer research & treatment.

</li>

<li>To set up a Charitable Hospital in a region between Rishikesh and Dehradun and/or elsewhere, so as to provide medical, surgical, pathological, radiological, ophthalmological and other specialized facilities of high standard to the general public.

</li>

<li>To run, own, manage and administer medical training centres, diagnostic centres, scan centres, nursing homes, hospitals, hostels, guest houses, clinics, dispensaries, maternity homes, child and family welfare centres, clinical pathological testing laboratories, x-ray and electrocardiogram, holistic health care facilities & medical research centres in India and abroad.

</li>

<li>To encourage regular visits by experts with various specialization from home and abroad.

</li>

<li>To organize conferences, workshops, study groups, seminars and medical & other camps.

</li>

<li>To organize exhibitions, lectures, seminars, conferences on the themes related to the field of education, culture, science, art and other cultural & educational activities.

</li>

<li>To launch/print any medical magazine, periodicals, pamphlets, books, monographs or posters considered necessary for the promotion of aims of the Society.

</li>

<li>To invite experts for lectures; on related and other themes, organize and conduct laboratory and field work in holistic, experiential learning and other educational, scientific, cultural or any other area of concern for the Society.

</li>

<li>To institute fellowships, studentships, grant assistance to similar organizations or individuals.

</li>

<li>To appoint necessary staff required for running the affairs of the Society.

</li>

<li>To create a core group faculty and other discussion groups and pay them the remuneration and provide the necessary facilities from time to time.

</li>

<li>To disseminate information and knowledge derived through research and experiential learning and the aims of the Society to larger audiences for the benefit of the people.

</li>

<li> To collaborate with other institutions, distinguished individuals and societies for promoting aims and objects of the Society.

</li>

<li>To establish Medical College, Nursing College, Ayurvedic College, Homeopathic College, College of Pharmacy, Dental College and other Medical Applied Technical Courses, Engineering College and other educational institutions, Schools and Colleges after taking permission from University, State Government/Central Government or any other competent authority.

</li>

</ul><br>

<h4>Educational Activities</h4><br>

<p>

Swami Rama Himalayan University (SRHU), a State University was established vide Uttarakhand Act No. 12 of 2013. The constituent colleges of SRHU are the Himalayan Institute of Medical Sciences, Himalayan College of Nursing, Himalayan School of Management Studies offering both undergraduate and post graduate programs, and Himalayan School of Engineering & Technology offering undergraduate courses in Civil, Mechanical and Electrical Engineering, Electronics and Communication, and Computer Sciences. SRHU also offers Ph.D. program in various specialties.

<br>

The Himalayan Institute of Medical Sciences runs undergraduate (M.B.B.S.) and postgraduate courses (M.D./M.S. and Diploma) in 18 disciplines. The medical faculty is also conducting paramedical degree courses in Medical Laboratory Technology, Radiology & Imaging Technology, Physiotherapy, Radiotherapy, Optometry, OT Technology, as well as Audiology and Speech Therapy.

<br>

</p>

<h4>Health Care Services</h4>

<br>

<p>Health care services are being provided through the Himalayan Hospital, a 750 bed, multi-specialty hospital established in 1994. It is the largest hospital in the State of Uttarakhand. The Hospital incorporates H.H. Dr. Swami Rama’s vision of integrating the best of Western medicine with traditional and alternative therapies. The hospital has a full range of super specialty, diagnostic modalities as well as alternative treatment modalities such as Ayurveda (Panchkarma Therapy), Homeopathy, Yoga, etc., all under one roof at affordable cost.

<br>

The Cancer Research Institute was established in the year 2006 and is the first of its kind in Uttarakhand. The Cancer Research Institute was inspired by the vision of our founder H.H. Shri Swami Rama. It will address all aspects of cancer control such as prevention, early detection and therapeutic facilities supported by research and education.

<br>

</p>

<h4>Social & Outreach Activities</h4><br>

<p>

In order to realize H.H. Swami Rama’s dream, the Society provides its Social & Outreach services through Rural Development Institute (RDI) and the Himalayan Hospital. The RDI is an outreach arm of the Himalayan Institute Hospital Trust. It is currently working in all the 13 districts of Uttarakhand with the rural community on issues related to Health, Education, Livelihood, Water and Sanitation, Tele-consultation and Adolescent Awareness issues. Over the years, it has benefited more than 10 lakh rural population residing in over 1100 villages in the far flung areas of the Himalayas. The Outreach Services are also provided through Health & Education Camps and Mobile Hospitals.

<br>

</p>

<h4>Charitable Activitie</h4><br>

<p>

The Society provides scholarships to the deserving poor and meritorious students of Uttarakhand every year for higher secondary and higher education levels. The Scholarship Fund varies between Rs. 25 to 40 lakhs every year.

<br>

Free Health Camps are organized regularly by the Society to take its services to the door steps of rural community, especially in the hard to reach areas. Most of the services provided in these camps are free of cost with surgical procedures and surgeries provided at a nominal cost. Patients coming from BPL (below poverty line) background are provided hospital services at most nominal rates or completely free of cost, as the case may demand. The Society also provides free food facilities to such poor patients.</p>

</section>

**Appointment Page**

<?php

session\_start();

include 'database.php';

if(isset($\_SESSION['userid'])){

include 'header.php';

$userLoginId = $\_SESSION['userid'];

if(isset($\_POST['submit'])){

$doctor = $\_POST['doctor'];

$date = $\_POST['date'];

$time = $\_POST['time'];

$userID = $\_POST['id'];

$Registersql = "insert into hms\_appointment(userid,doctor,date,time) values('$userID','$doctor','$date','$time')";

if(mysqli\_query($connection,$Registersql)){

echo "<script> alert('record created successfully');

location.replace('index.php'); </script>";

}

else{

echo "<script> alert('Error:".mysqli\_error($connection)."') </script>";

// ("Error:".mysqli\_error($connection));

}

mysqli\_close($connection);

}

?>

<div class="container">

<h2 class="text-center">Appointment</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

<div class="row">

<input type="hidden" name="id" value="<?php echo $userLoginId; ?>"/>

<div class="column3">

<label for="doctor">Doctor Name</label>

<input type="text" name="doctor" id="doctor" class="form-control" placeholder="Enter Doctor name" />

</div>

<div class="column3">

<label for="Date">Date</label>

<input type="date" name="date" id="date" class="form-control"/>

</div>

<div class="column3">

<label for="time">Time</label>

<input type="time" name="time" id="time" class="form-control" />

</div>

<div class="row horizontal-center">

<button type="submit" class="btn-register" name="submit">Submit</button>

</div>

</div>

</form>

</div>

<?php

}

else{

header('location:Login.php');

}

include 'footer.php';?>

**Register Page**

<?php

include 'database.php';

include 'header.php';

if(isset($\_POST['submit'])){

$firstname = $\_POST['firstname'];

$middlename = $\_POST['middlename'];

$lastname = $\_POST['lastname'];

$name = $firstname." ".$middlename." ".$lastname;

$email = $\_POST['email'];

$contact = $\_POST['contact'];

$password = $\_POST['password'];

$confirmPass = $\_POST['confirmPass'];

$gender = $\_POST['gender'];

$blood = $\_POST['blood'];

$address = $\_POST['address'];

$father = $\_POST['father'];

$mother = $\_POST['mother'];

$checkEmail = "select \* from hms\_user where email='$email'";

$query = mysqli\_query($connection,$checkEmail);

$checkEmailValidate = mysqli\_num\_rows($query);

if($checkEmailValidate>0){

echo "<script>alert('This email is already Registered.')</script>";

}

elseif($password === $confirmPass){

$pass = md5($password);

$Registersql = "insert into hms\_user(username,nickname,email,contact,password,gender,blood,address,father,mother) values('$name','$firstname ','$email','$contact','$pass','$gender','$blood','$address','$father','$mother')";

if(mysqli\_query($connection,$Registersql)){

echo "<script> alert('record created successfully');

location.replace('index.php'); </script>";

}

else{

echo "<script> alert('Error:".mysqli\_error($connection)."') </script>";

// ("Error:".mysqli\_error($connection));

}

}

else{

echo "<script>alert('Password is not same.')</script>";

}

mysqli\_close($connection);

}

?>

<div class="container">

<h2 class="text-center">Register Now</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

<div class="row">

<div class="column3">

<label for="firstname">First Name</label>

<input type="text" name="firstname" id="firstname" class="form-control" placeholder="Enter your first name" required/>

</div>

<div class="column3">

<label for="middlename">Middle Name</label>

<input type="text" name="middlename" id="middlename" class="form-control" placeholder="Enter your Middle name"/>

</div>

<div class="column3">

<label for="lastname">Last Name</label>

<input type="text" name="lastname" id="lastname" class="form-control" placeholder="Enter your Last name"/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="father">Father Name</label>

<input type="text" name="father" id="father" class="form-control" placeholder="Enter your Father Name."/>

</div>

<div class="column2">

<label for="mother">Mother Name</label>

<input type="text" name="mother" id="mother" class="form-control" placeholder="Enter your Mother Name."/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="email">Email</label>

<input type="email" name="email" id="email" class="form-control" placeholder="Enter your Email" required/>

</div>

<div class="column2">

<label for="contact">Mobile No</label>

<input type="number" name="contact" id="contact" class="form-control" placeholder="Enter your Mobile No" required/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="password">Password</label>

<input type="password" name="password" id="password" class="form-control" placeholder="Password" required/>

</div>

<div class="column2">

<label for="confirmPass">Confirm Password</label>

<input type="password" name="confirmPass" id="confirmPass" class="form-control" placeholder="Confirm Password" required/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="gender">Gender</label>

<select name="gender" class="form-select" id="gender">

<option value="male">Male</option>

<option value="female">Female</option>

<option value="other">Other</option>

</select>

</div>

<div class="column2">

<label for="blood">Blood Group</label>

<select name="blood" class="form-select" id="blood">

<option value="A+">A+</option>

<option value="A-">A-</option>

<option value="B+">B+</option>

<option value="B-">B-</option>

<option value="O+">O+</option>

<option value="O-">O-</option>

<option value="AB+">AB+</option>

<option value="AB-">AB-</option>

</select>

</div>

</div>

<div class="row">

<div class="column2">

<label for="address">Address</label>

<textarea type="text" name="address" id="address" class="form-control" rows="5" placeholder="Enter Your Address."></textarea>

</div>

</div>

<div class="row horizontal-center">

<p>If already registered <a href="Login.php">Login Now</a></p>

</div>

<div class="row horizontal-center">

<button type="submit" class="btn-register" name="submit">Submit</button>

</div>

</div>

</form>

</div>

<?php include 'footer.php';?>

**Login Page**

<?php

session\_start();

include 'database.php';

if(!isset($\_SESSION['userid'])){

include 'header.php';

if(isset($\_POST['login'])){

$username = $\_POST['username'];

$password = $\_POST['password'];

$pass = md5($password);

$user = "select \* from hms\_user where email='$username'";

$userQuery = mysqli\_query($connection,$user);

$count\_user = mysqli\_num\_rows($userQuery);

if($count\_user){

$userPassword = mysqli\_fetch\_assoc($userQuery);

$userPass = $userPassword['password'];

$userid = $userPassword['id'];

if($pass == $userPass){

$\_SESSION['userid'] = $userid;

header('location:index.php');

}

else{

echo"<script>alert('Password Incorrect')</script>";

}

}

else{

echo"<script>alert('invalid Email')</script>";

}

mysqli\_close($connection);

}

?>

<div class="container">

<h2 class="text-center">Login</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

<div class="row">

<div class="column2">

<label for="username">Username or Email</label>

<input type="text" name="username" id="username" placeholder="Enter your email." required/>

</div>

<div class="column2">

<label for="password">Password</label>

<input type="password" name="password" id="password" class="form-control" placeholder="Enter your password" required/>

</div>

</div>

<div class="row horizontal-center">

<a href="#">Forget Password</a>

</div>

<div class="row horizontal-center">

<p>Create New User <a href="Register.php">Sign Up</a></p>

</div>

<div class="row horizontal-center">

<button type="login" class="btn-register" name="login">Login</button>

</div>

</div>

</form>

</div>

<?php include 'footer.php';

}

else{

header('location:index.php');

}?>

**Logout**

<?php

session\_start();

session\_destroy();

header('location:index.php');

?>

include 'database.php';

**Patient Form**

<?php

if(isset($\_POST['patient'])){

$firstname = $\_POST['firstname'];

$middlename = $\_POST['middlename'];

$lastname = $\_POST['lastname'];

$name = $firstname." ".$middlename." ".$lastname;

$email = $\_POST['email'];

$contact = $\_POST['contact'];

$gender = $\_POST['gender'];

$birthdate = $\_POST['birthdate'];

$blood = $\_POST['blood'];

$address = $\_POST['address'];

$father = $\_POST['father'];

$mother = $\_POST['mother'];

$Patientsql = "insert into hms\_patient(username,email,contact,gender,blood,address,father,mother,birthdate) values('$name','$email','$contact','$gender','$blood','$address','$father','$mother','$birthdate')";

if(mysqli\_query($connection,$Patientsql)){

echo "<script> alert('record created successfully');

location.replace('index.php'); </script>";

}

else{

echo "<script> alert('Error:".mysqli\_error($connection)."') </script>";

// ("Error:".mysqli\_error($connection));

}

mysqli\_close($connection);

}

?>

<div class="container">

<h2 class="text-center">Patient Register</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

<div class="row">

<div class="column3">

<label for="firstname">First Name</label>

<input type="text" name="firstname" id="firstname" class="form-control" placeholder="Enter your first name" required/>

</div>

<div class="column3">

<label for="middlename">Middle Name</label>

<input type="text" name="middlename" id="middlename" class="form-control" placeholder="Enter your Middle name"/>

</div>

<div class="column3">

<label for="lastname">Last Name</label>

<input type="text" name="lastname" id="lastname" class="form-control" placeholder="Enter your Last name"/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="father">Father Name</label>

<input type="text" name="father" id="father" class="form-control" placeholder="Enter your Father Name."/>

</div>

<div class="column2">

<label for="mother">Mother Name</label>

<input type="text" name="mother" id="mother" class="form-control" placeholder="Enter your Mother Name."/>

</div>

</div>

<div class="row">

<div class="column2">

<label for="email">Email</label>

<input type="email" name="email" id="email" class="form-control" placeholder="Enter your Email" required/>

</div>

<div class="column2">

<label for="contact">Mobile No</label>

<input type="number" name="contact" id="contact" class="form-control" placeholder="Enter your Mobile No" required/>

</div>

</div>

<div class="row">

<div class="column3">

<label for="birthdate">DOB</label>

<input type="date" name="birthdate" id="birthdate" />

</div>

<div class="column3">

<label for="gender">Gender</label>

<select name="gender" class="form-select" id="gender">

<option value="male">Male</option>

<option value="female">Female</option>

<option value="other">Other</option>

</select>

</div>

<div class="column3">

<label for="blood">Blood Group</label>

<select name="blood" class="form-select" id="blood">

<option value="A+">A+</option>

<option value="A-">A-</option>

<option value="B+">B+</option>

<option value="B-">B-</option>

<option value="O+">O+</option>

<option value="O-">O-</option>

<option value="AB+">AB+</option>

<option value="AB-">AB-</option>

</select>

</div>

</div>

<div class="row">

<div class="column2">

<label for="address">Address</label>

<textarea type="text" name="address" id="address" class="form-control" rows="5" placeholder="Enter Your Address."></textarea>

</div>

</div>

<div class="row horizontal-center">

<button type="submit" class="btn-register" name="patient">Submit</button>

</div>

</div>

</form>

</div>

<?php include 'footer.php';?>

**Patient Details**

<?php

session\_start();

include 'database.php';

include 'header.php';

if(isset($\_SESSION['userid'])){

$auth = $\_SESSION['userid'];

$authProfilesql = "select \* from hms\_user where id='$auth'";

$authquery = mysqli\_query($connection,$authProfilesql);

$authProfile = mysqli\_fetch\_assoc($authquery);

$userLoginId = $\_GET['id'];

$userProfilesql = "select \* from hms\_patient where id='$userLoginId'";

$profileQuery = mysqli\_query($connection,$userProfilesql);

$profileDataCount = mysqli\_num\_rows($profileQuery);

if($profileDataCount>0){

$profileData = mysqli\_fetch\_assoc($profileQuery);

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor' || $profileData['role'] == 'Staff'){

?>

<div class="container">

<a href="dashboard.php">Back to Dashboard</a>

<form>

<div class="row user-detail">

<div class="column2">

<label>Username</label>

<input value="<?php echo $profileData['username'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Email</label>

<input value="<?php echo $profileData['email'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>D.O.B.</label>

<input value="<?php echo $profileData['birthdate'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Father Name</label>

<input value="<?php echo $profileData['father'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Mother Name</label>

<input value="<?php echo $profileData['mother'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Contact</label>

<input value="<?php echo $profileData['contact'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Gender</label>

<input value="<?php echo $profileData['gender'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Blood Group</label>

<input value="<?php echo $profileData['blood'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Address</label>

<textarea rows="5" disabled><?php echo $profileData['address'] ?></textarea>

</div>

</div>

</form>

</div>

<?php }

else{

header('location:Login.php');

}

}

else{

?>

<div>

<p>NO Data Found</p>

</div>

<?php

}

}

else{

header('location:Login.php');

}

include 'footer.php';

?>

**Profile**

<?php

session\_start();

include 'database.php';

include 'header.php';

if(isset($\_SESSION['userid'])){

$userLoginId = $\_SESSION['userid'];

$userProfilesql = "select \* from hms\_user where id='$userLoginId'";

$profileQuery = mysqli\_query($connection,$userProfilesql);

$profileDataCount = mysqli\_num\_rows($profileQuery);

if($profileDataCount>0){

$profileData = mysqli\_fetch\_assoc($profileQuery);

?>

<div class="profile">

<h2>Profile</h2>

<div class="row">

<p class="heading">Id:</p>

<p class="content"><?php echo $profileData['id'] ?></p>

</div>

<div class="row">

<p class="heading">Name:</p>

<p class="content"><?php echo $profileData['username'] ?></p>

</div>

<div class="row">

<p class="heading">Email:</p>

<p class="content"><?php echo $profileData['email'] ?></p>

</div>

<div class="row">

<p class="heading">Father Name:</p>

<p class="content"><?php echo $profileData['father'] ?></p>

</div>

<div class="row">

<p class="heading">Mother Name:</p>

<p class="content"><?php echo $profileData['mother'] ?></p>

</div>

<div class="row">

<p class="heading">Mobile NO:</p>

<p class="content"><?php echo $profileData['contact'] ?></p>

</div>

<div class="row">

<p class="heading">Gender:</p>

<p class="content"><?php echo $profileData['gender'] ?></p>

</div>

<div class="row">

<p class="heading">Blood Group:</p>

<p class="content"><?php echo $profileData['blood'] ?></p>

</div>

<div class="row">

<p class="heading">Address:</p>

<p class="content"><?php echo $profileData['address'] ?></p>

</div>

<div>

<?php

}

else{

?>

<script>alert("No Data Found.")</script>

<?php

}

}

else{

header('location:Login.php');

}

**User Details**

<?php

session\_start();

include 'database.php';

include 'header.php';

if(isset($\_SESSION['userid'])){

$auth = $\_SESSION['userid'];

$authProfilesql = "select \* from hms\_user where id='$auth'";

$authquery = mysqli\_query($connection,$authProfilesql);

$authProfile = mysqli\_fetch\_assoc($authquery);

$userLoginId = $\_GET['id'];

$userProfilesql = "select \* from hms\_user where id='$userLoginId'";

$profileQuery = mysqli\_query($connection,$userProfilesql);

$profileDataCount = mysqli\_num\_rows($profileQuery);

if($profileDataCount>0){

$profileData = mysqli\_fetch\_assoc($profileQuery);

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor' || $profileData['role'] == 'Staff'){

?>

<div class="container">

<a href="dashboard.php">Back to Dashboard</a>

<form>

<div class="row user-detail">

<div class="column2">

<label>Username</label>

<input value="<?php echo $profileData['username'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Email</label>

<input value="<?php echo $profileData['email'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Role</label>

<input value="<?php echo $profileData['role'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Speciality</label>

<input value="<?php echo $profileData['speciality'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Father Name</label>

<input value="<?php echo $profileData['father'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Mother Name</label>

<input value="<?php echo $profileData['mother'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Contact</label>

<input value="<?php echo $profileData['contact'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Gender</label>

<input value="<?php echo $profileData['gender'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Blood Group</label>

<input value="<?php echo $profileData['blood'] ?>" class="form-control" disabled/>

</div>

<div class="column2">

<label>Address</label>

<textarea rows="5" disabled><?php echo $profileData['address'] ?></textarea>

</div>

</div>

</form>

</div>

<?php }

else{

header('location:Login.php');

}

}

else{

?>

<div>

<p>NO Data Found</p>

</div>

<?php

}

}

else{

header('location:Login.php');

}

include 'footer.php';

?>

**Dashboard**

<?php

session\_start();

include 'database.php';

if(isset($\_SESSION['userid'])){

$userLoginId = $\_SESSION['userid'];

$userProfilesql = "select \* from hms\_user where id='$userLoginId'";

$allDoctor = "select \* from hms\_user where role='Doctor'";

$allUser = "select \* from hms\_user where role='user'";

$allStaff = "select \* from hms\_user where role='Staff'";

$allPatient = "select \* from hms\_patient where 1";

$allAppointment = "select \* from hms\_appointment where 1";

$profileQuery = mysqli\_query($connection,$userProfilesql);

$profileDataCount = mysqli\_num\_rows($profileQuery);

if($profileDataCount>0){

$profileData = mysqli\_fetch\_assoc($profileQuery);

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor' || $profileData['role'] == 'Staff'){

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Hospital Management System</title>

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@600&display=swap" rel="stylesheet">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css" integrity="sha512-9usAa10IRO0HhonpyAIVpjrylPvoDwiPUiKdWk5t3PyolY1cOd4DSE0Ga+ri4AuTroPR5aQvXU9xC6qOPnzFeg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js" integrity="sha512-894YE6QWD5I59HgZOGReFYm4dnWc1Qt5NtvYSaNcOP+u1T9qYdvdihz0PPSiiqn/+/3e7Jo4EaG7TubfWGUrMQ==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

<link rel="stylesheet" href="css/dashboard.css">

</head>

<body>

<div class="dashboard">

<div class="sidebar">

<ul>

<li id="user-count">Dashboard</li>

<?php if($profileData['role'] == 'Admin'){ ?>

<li id="doctors">Doctors</li>

<li id="staff">Staff</li>

<li id="Patient">Patient</li>

<li id="users">Users</li>

<li id="appointment">Appointment</li>

<?php

}

elseif($profileData['role'] == 'Doctor'){

?>

<li id="staff">Staff</li>

<li id="Patient">Patient</li>

<li id="users">Users</li>

<li id="appointment">Appointment</li>

<?php

}

elseif($profileData['role'] == 'Staff'){

?>

<li id="Patient">Patient</li>

<li id="users">Users</li>

<li id="appointment">Appointment</li>

<?php

}

?>

<li><a href="logout.php">Log Out</a></li>

</ul>

</div>

<div class="dash-board-content">

<div class="back-to-home">

<a href="index.php">Back to home</a>

</div>

<div id="user-count-data">

<?php if($profileData['role'] == 'Admin'){

?>

<div class="user-data-card">

<p class="userRole">Doctors:</p>

<p class="userCount"><?php

$doctorQuery = mysqli\_query($connection,$allDoctor);

$doctorCount = mysqli\_num\_rows($doctorQuery);

echo $doctorCount;

?>

</p>

<a href="member.php">ADD Doctor</a>

</div>

<?php

}

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor'){

?>

<div class="user-data-card">

<p class="userRole">Staff:</p>

<p class="userCount"><?php

$staffQuery = mysqli\_query($connection,$allStaff);

$staffCount = mysqli\_num\_rows($staffQuery);

echo $staffCount;

?>

</p>

<a href="member.php">ADD Staff</a>

</div>

<?php

}

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor' || $profileData['role'] == 'Staff'){

?>

<div class="user-data-card">

<p class="userRole">Users:</p>

<p class="userCount"><?php

$userDataQuery = mysqli\_query($connection,$allUser);

$userDataCount = mysqli\_num\_rows($userDataQuery);

echo $userDataCount;

?>

</p>

</div>

<div class="user-data-card">

<p class="userRole">Patient:</p>

<p class="userCount"><?php

$patientDataQuery = mysqli\_query($connection,$allPatient);

$patientDataCount = mysqli\_num\_rows($patientDataQuery);

echo $patientDataCount;

?>

</p>

<a href="patient.php">ADD Patient</a>

</div>

<div class="user-data-card">

<p class="userRole">Appointmets:</p>

<p class="userCount"><?php

$appointmentDataQuery = mysqli\_query($connection,$allAppointment);

$appointmentDataCount = mysqli\_num\_rows($appointmentDataQuery);

echo $appointmentDataCount;

?>

</p>

</div>

<?php

}

?>

</div>

<?php if($profileData['role'] == 'Admin'){

?>

<div id="doctors-data">

<a class="addPatient" href="member.php">Add Doctor</a>

<table>

<tr>

<th>Sr.No</th>

<th>Dr. Name</th>

<th>Dr. Speciality</th>

<th>Dr. Contact</th>

<th>Action</th>

</tr>

<?php

$i = 1;

while($doctorsData = mysqli\_fetch\_assoc($doctorQuery)){

?>

<tr>

<td><?php echo $i ?></td>

<td><?php echo $doctorsData['username']; ?></td>

<td><?php echo $doctorsData['speciality']; ?></td>

<td><?php echo $doctorsData['contact']; ?></td>

<td><button><a href="userDetails.php?id=<?php echo $doctorsData['id']; ?>">View</a></button></td>

</tr>

<?php

$i++;

}

?>

</table>

</div>

<?php

}

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor'){

?>

<div id="staff-data">

<a class="addPatient" href="member.php">Add Staff</a>

<table>

<thead>

<tr>

<th>Sr.No</th>

<th>Name</th>

<th>Speciality</th>

<th>Contact</th>

<th>Action</th>

</tr>

</thead>

<tbody>

<?php

$i = 1;

while($staffData = mysqli\_fetch\_assoc($staffQuery)){

?>

<tr>

<td><?php echo $i ?></td>

<td><?php echo $staffData['username']; ?></td>

<td><?php echo $staffData['speciality']; ?></td>

<td><?php echo $staffData['contact']; ?></td>

<td><button><a href="userDetails.php?id=<?php echo $staffData['id']; ?>">View</a></button></td>

</tr>

<?php

$i++;

}

?>

</tbody>

</table>

</div>

<?php

}

if($profileData['role'] == 'Admin' || $profileData['role'] == 'Doctor' || $profileData['role'] == 'Staff'){

?>

<div id="users-data">

<table>

<thead>

<tr>

<th>Sr.No</th>

<th>Name</th>

<th>Email</th>

<th>Contact</th>

<th>Action</th>

</tr>

</thead>

<tbody>

<?php

$i = 1;

while($usersData = mysqli\_fetch\_assoc($userDataQuery)){

?>

<tr>

<td><?php echo $i ?></td>

<td><?php echo $usersData['username']; ?></td>

<td><?php echo $usersData['email']; ?></td>

<td><?php echo $usersData['contact']; ?></td>

<td><button><a href="userDetails.php?id=<?php echo $usersData['id']; ?>">View</a></button></td>

</tr>

<?php

$i++;

}

?>

</tbody>

</table>

</div>

<div id="patient-data">

<a class="addPatient" href="patient.php">Add Patient</a>

<table>

<thead>

<tr>

<th>Sr.No</th>

<th>Name</th>

<th>Email</th>

<th>Contact</th>

<th>Action</th>

</tr>

</thead>

<tbody>

<?php

// continue from here

$i = 1;

while($patientData = mysqli\_fetch\_assoc($patientDataQuery)){

?>

<tr>

<td><?php echo $i ?></td>

<td><?php echo $patientData['username']; ?></td>

<td><?php echo $patientData['email']; ?></td>

<td><?php echo $patientData['contact']; ?></td>

<td><button><a href="patientDetails.php?id=<?php echo $patientData['id']; ?>">View</a></button></td>

</tr>

<?php

$i++;

}

?>

</tbody>

</table>

</div>

<div id="appointment-data">

<table>

<thead>

<tr>

<th>Sr.No</th>

<th>userid</th>

<th>Dr. With</th>

<th>Date</th>

<th>Time</th>

</tr>

</thead>

<tbody>

<?php

// continue from here

$i = 1;

while($appointmentData = mysqli\_fetch\_assoc($appointmentDataQuery)){

?>

<tr>

<td><?php echo $i ?></td>

<td><?php echo $appointmentData['userid']; ?></td>

<td><?php echo $appointmentData['doctor']; ?></td>

<td><?php echo $appointmentData['date']; ?></td>

<td><?php echo $appointmentData['time']; ?></td>

</tr>

<?php

$i++;

}

?>

</tbody>

</table>

</div>

<?php

}

?>

</div>

</div>

<script>

$(document).ready(function(){

$("#user-count-data").css("display","flex");

})

$("#user-count").click(function(){

$("#user-count-data").css("display","flex");

$("#doctors-data").css("display","none");

$("#staff-data").css("display","none");

$("#users-data").css("display","none");

$("#patient-data").css("display","none");

$("#appointment-data").css("display","none");

})

$("#doctors").click(function(){

$("#user-count-data").css("display","none");

$("#doctors-data").css("display","block");

$("#staff-data").css("display","none");

$("#users-data").css("display","none");

$("#patient-data").css("display","none");

$("#appointment-data").css("display","none");

})

$("#staff").click(function(){

$("#user-count-data").css("display","none");

$("#doctors-data").css("display","none");

$("#staff-data").css("display","block");

$("#users-data").css("display","none");

$("#patient-data").css("display","none");

$("#appointment-data").css("display","none");

})

$("#Patient").click(function(){

$("#user-count-data").css("display","none");

$("#doctors-data").css("display","none");

$("#staff-data").css("display","none");

$("#users-data").css("display","none");

$("#patient-data").css("display","block");

$("#appointment-data").css("display","none");

})

$("#users").click(function(){

$("#user-count-data").css("display","none");

$("#doctors-data").css("display","none");

$("#staff-data").css("display","none");

$("#users-data").css("display","block");

$("#patient-data").css("display","none");

$("#appointment-data").css("display","none");

})

$("#appointment").click(function(){

$("#user-count-data").css("display","none");

$("#doctors-data").css("display","none");

$("#staff-data").css("display","none");

$("#users-data").css("display","none");

$("#patient-data").css("display","none");

$("#appointment-data").css("display","block");

})

</script>

</body>

</html>

<?php

}

}

else{

?>

<script>alert("NO Data Found")</script>

<?php

}

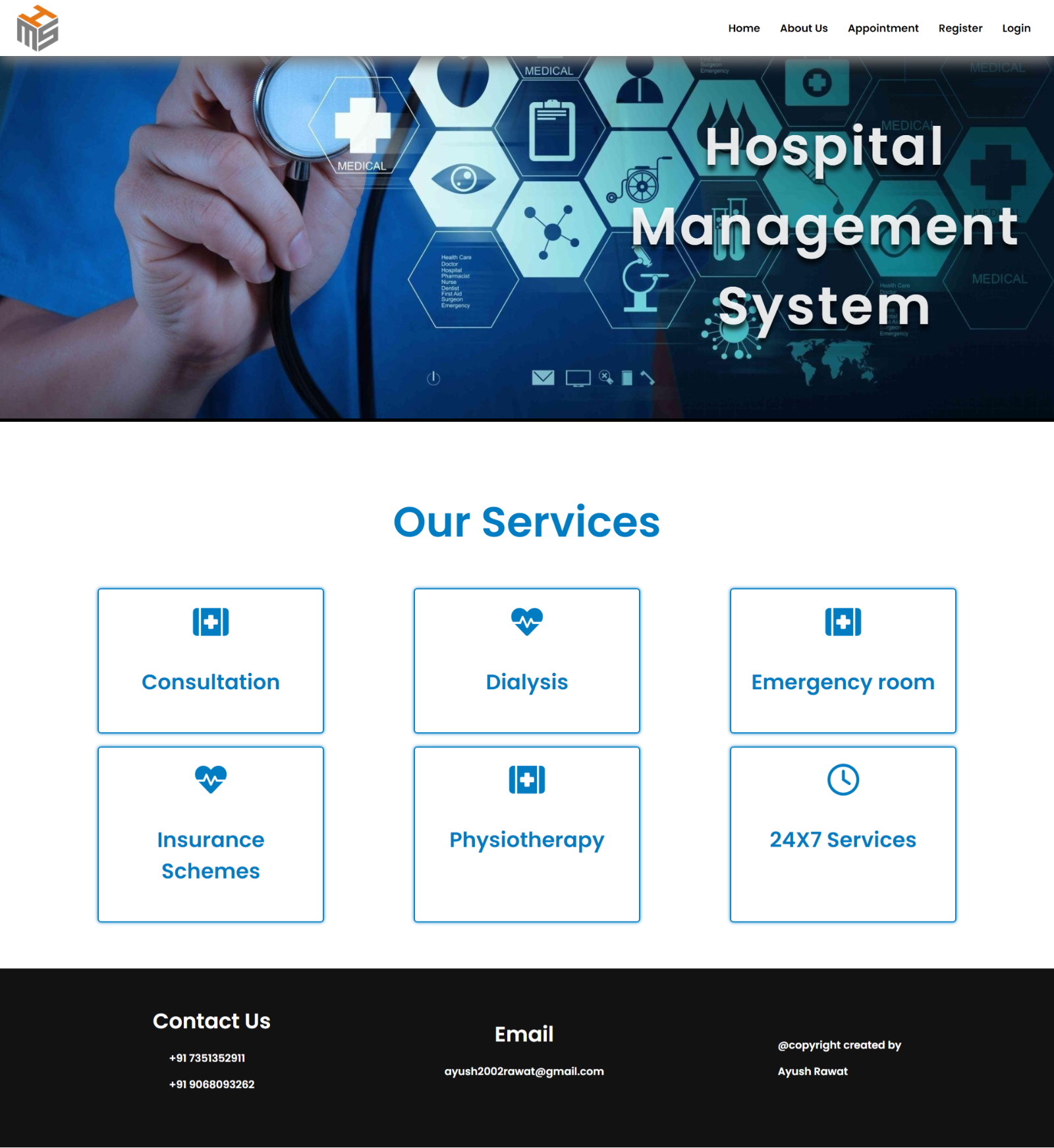
}

else{

header('location:Login.php');

}

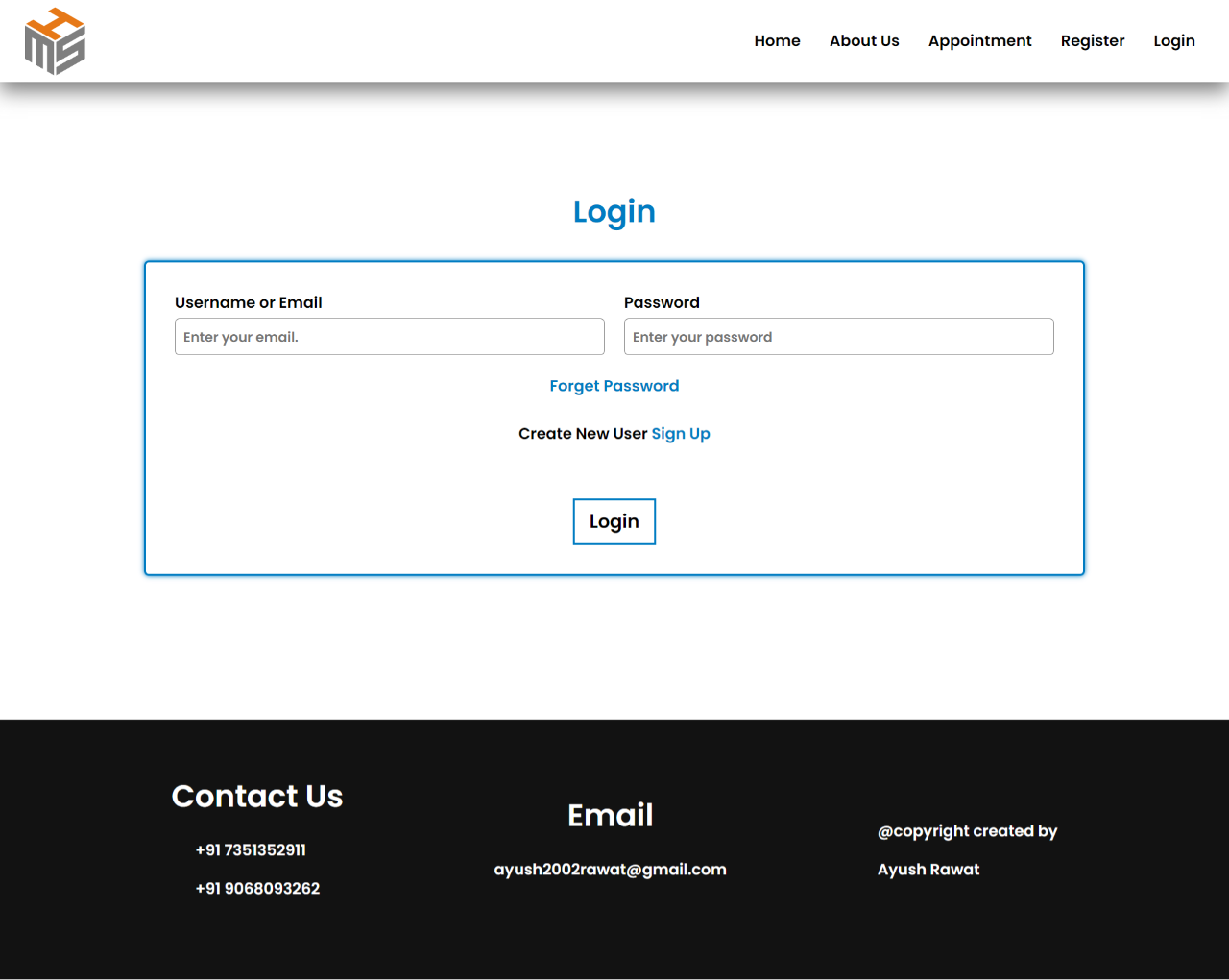
**6.Input/Output Forms**

**Home Page** 

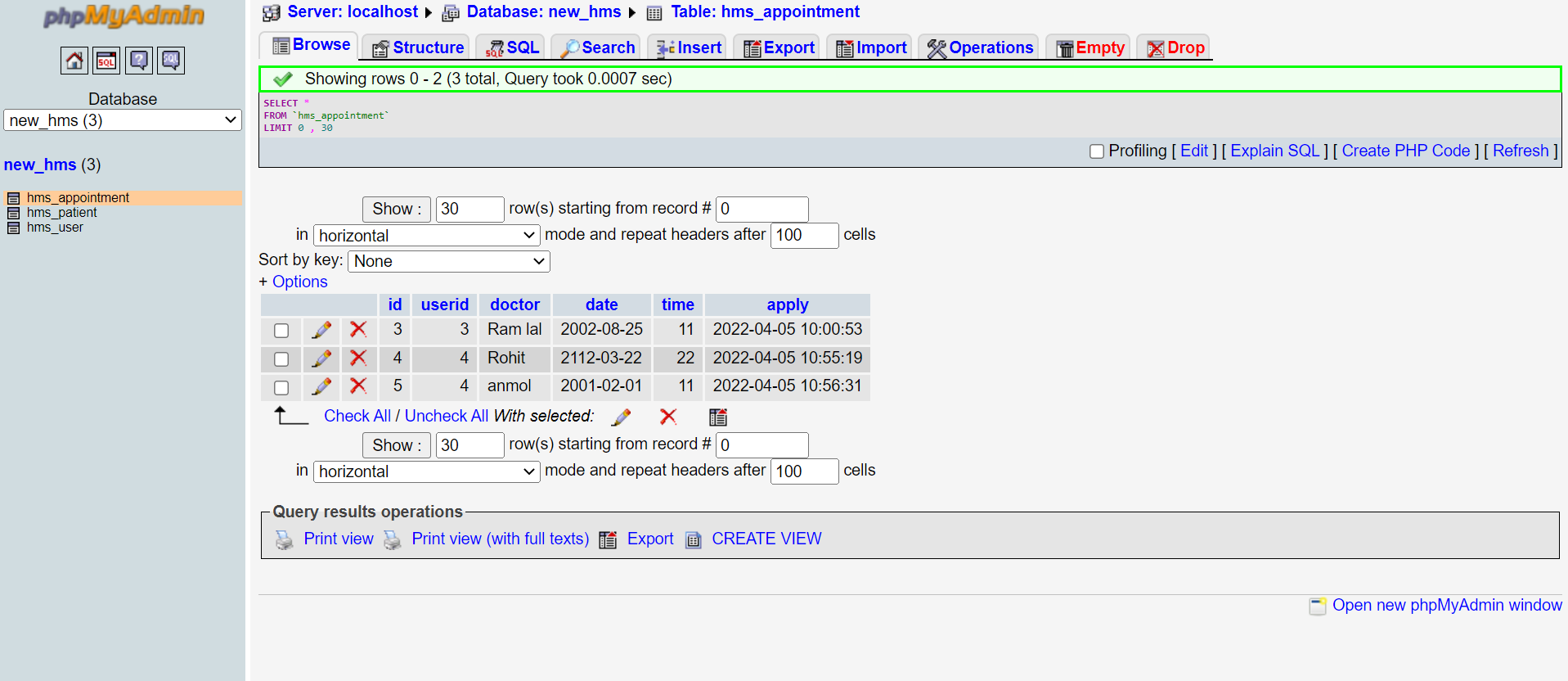
**About Us Page**

****

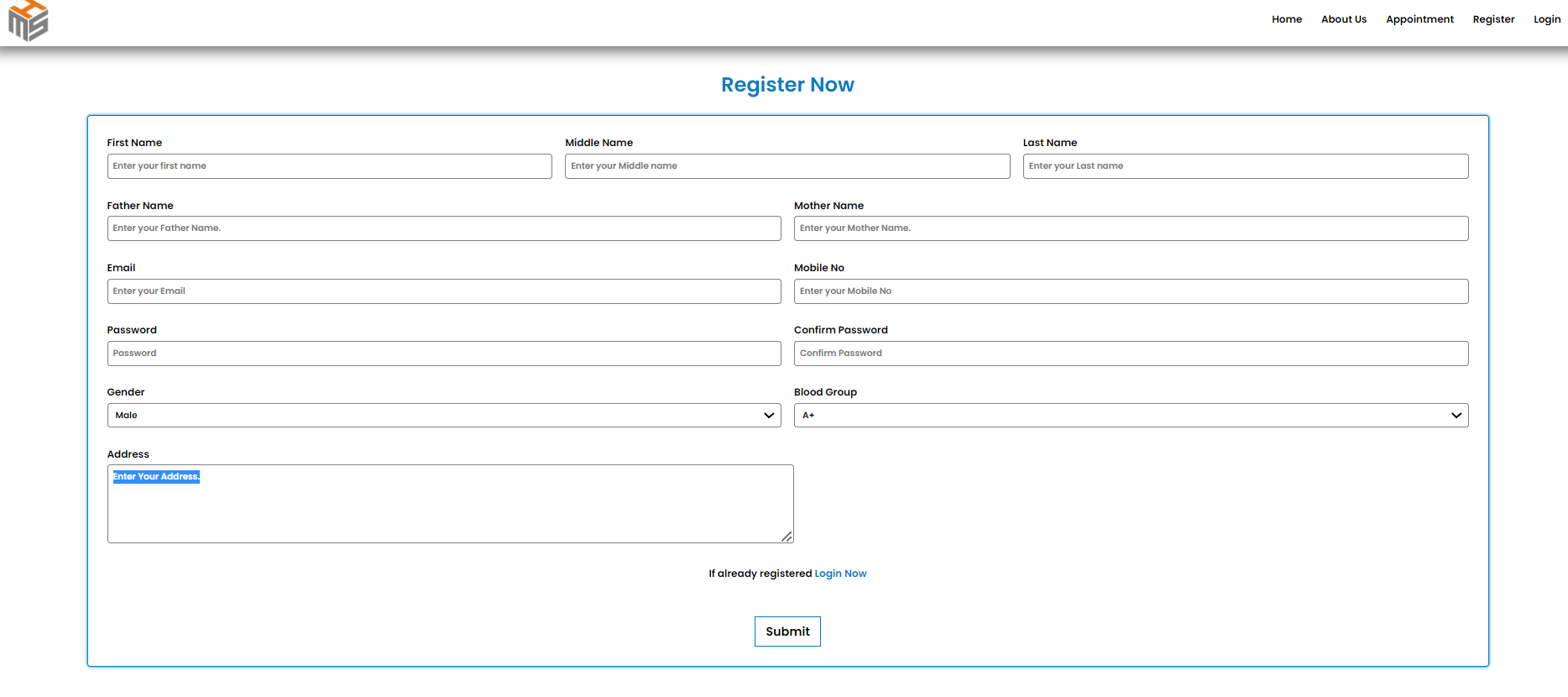
**Appointment Page**

****

**Appointment History**

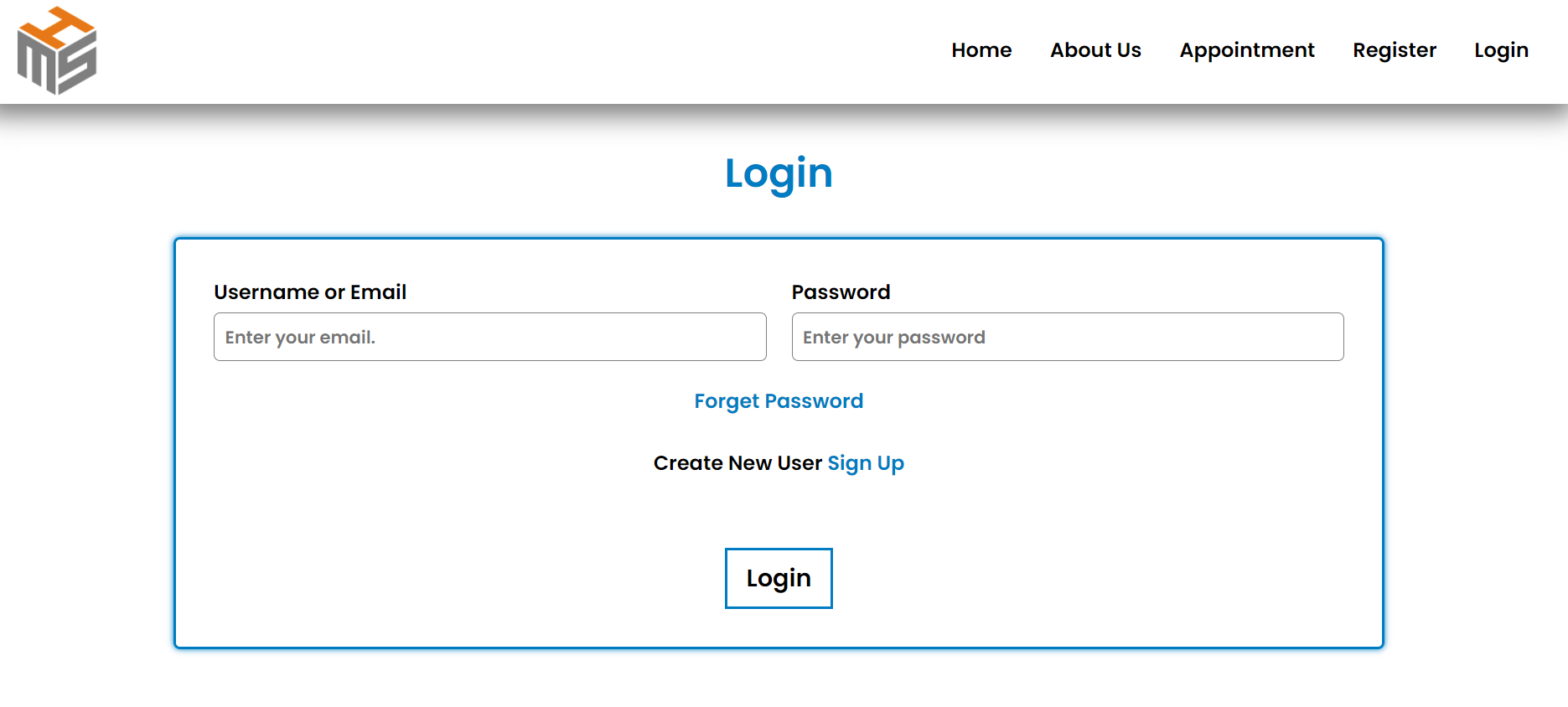


**Register Page**

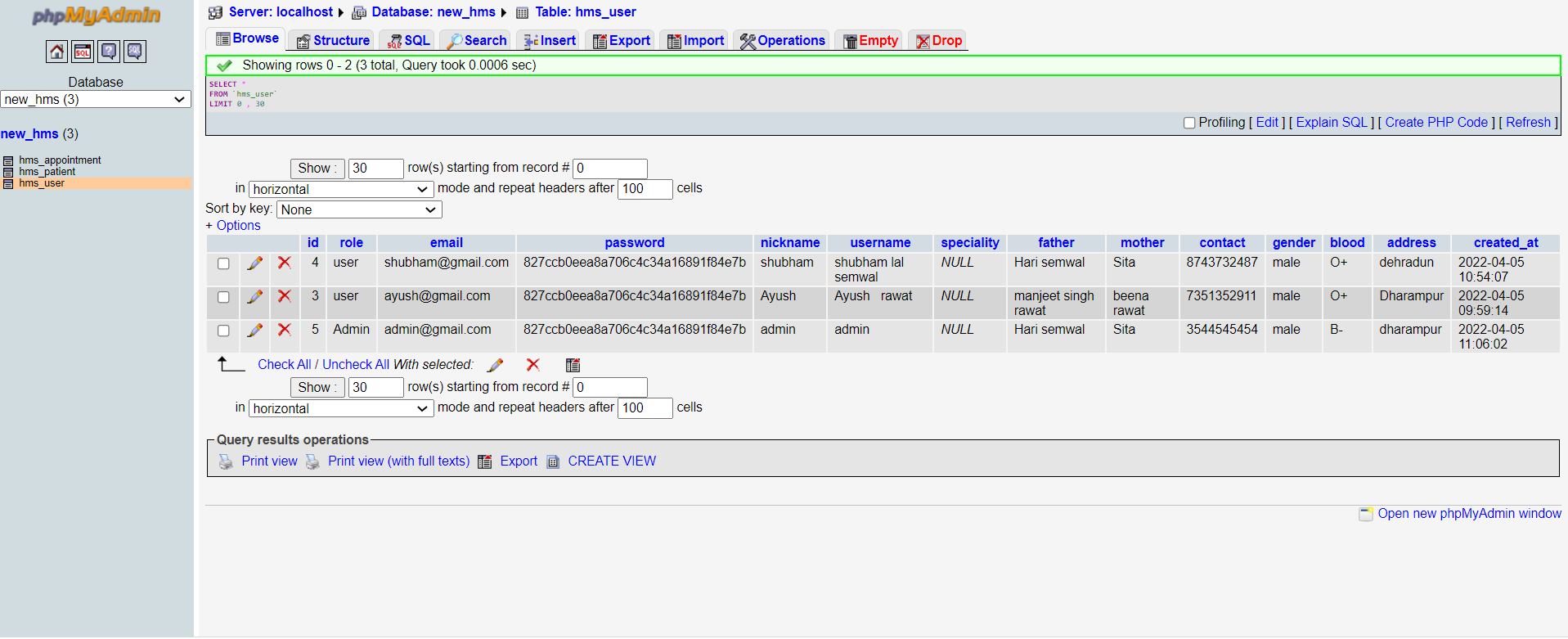


**Register Form**

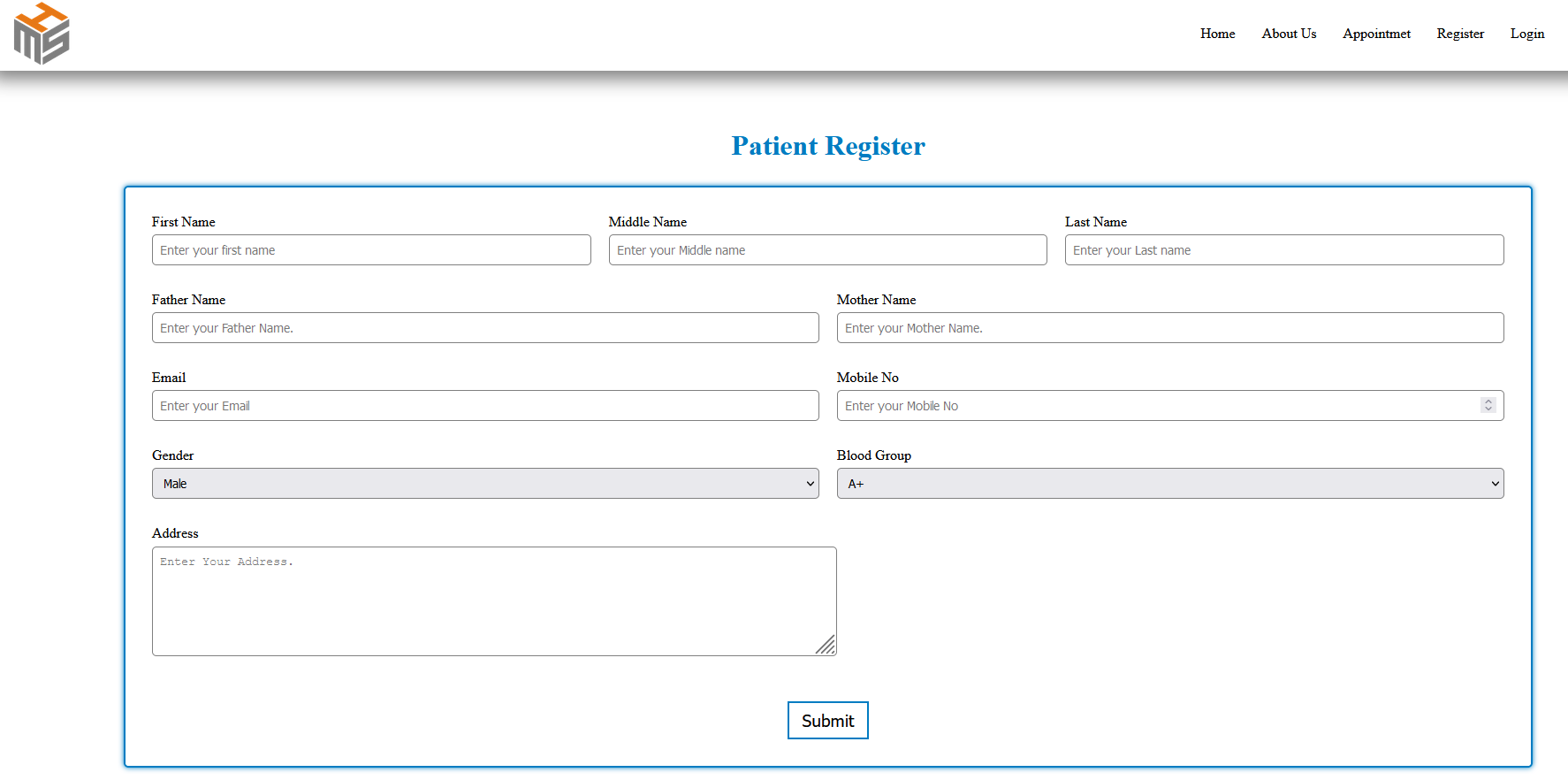
**Login Page**



**Login History**

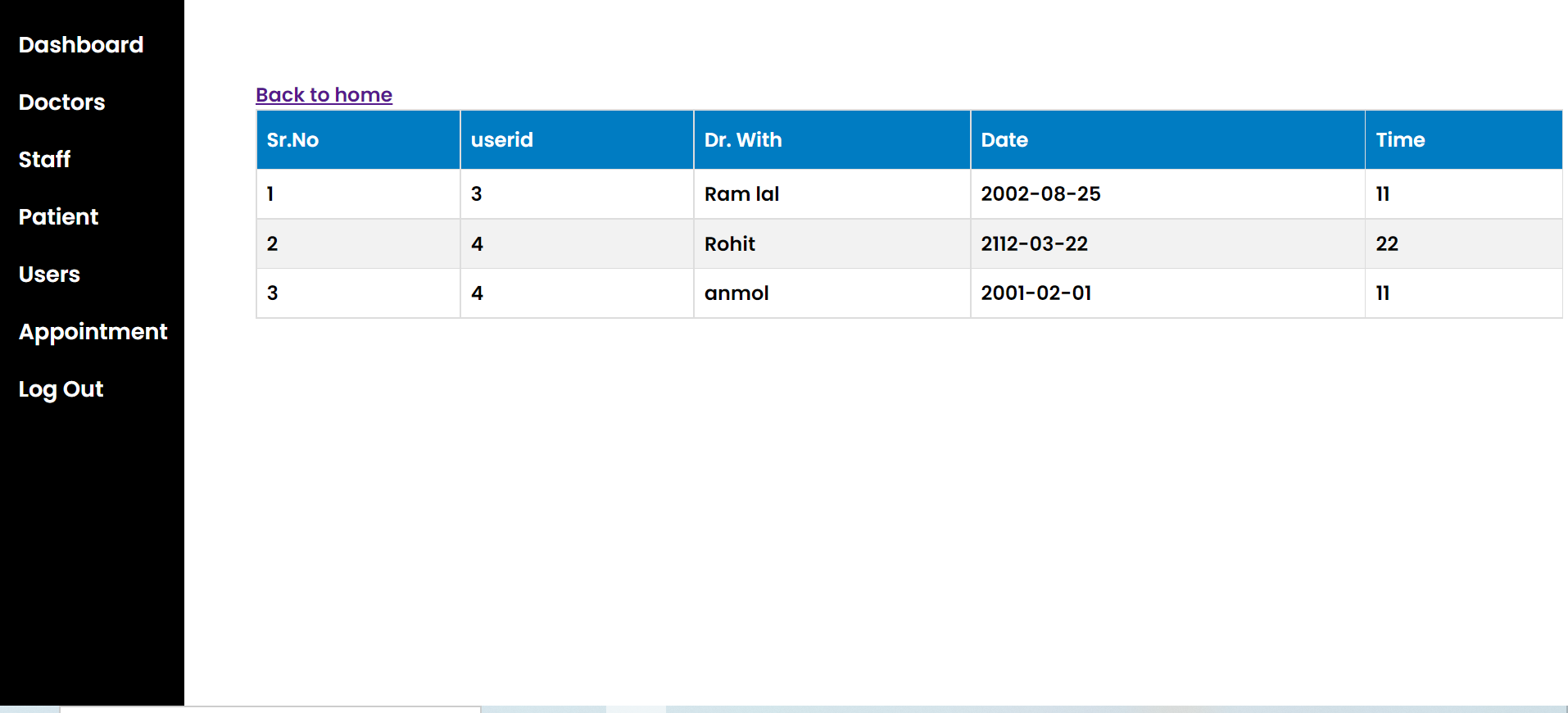


**Patient Form**

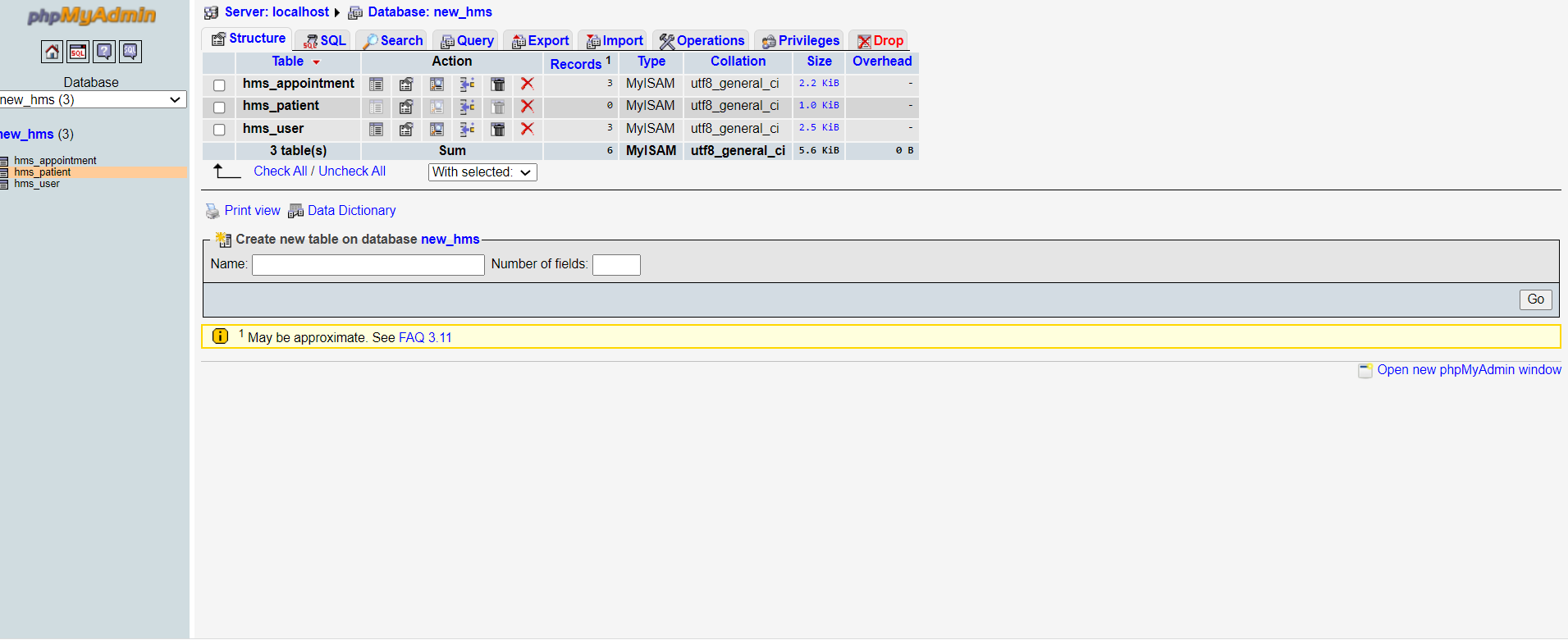


**Patient Form Format**

**Dashboard**

****

**User Details Page**

****

**Database**

**7.Testing**

### Integration Testing

Integration testing done before, during and after integration of a new module into the main software package. This involves testing of each individual code module. One piece of software can contain several modules which are often created by several different programmers. It is crucial to test each modules effect on the entire program model. After integration testing the project works successfully.

### Unit Testing

Unit testing performed on each module or block of code during development. Unit testing is normally done by the programmer who writes the code.

### System Testing

System testing done by a professional testing agent on the completed software product before it is introduced to the market**.**

### Acceptance Testing

Acceptance testing is a beta testing of the product done by the actual end user.

### Recovery Testing

Recovery testing is done to demonstrate a software salutation is reliable, trustworthy and can successfully recoup form possible crashes.

### 

### Functional Testing

Functional Testing also known as functional completeness testing. Functional Testing involves trying to think of any possible missing functions. Testers might make a list of additional functionalities that a product could to improve it during functional testing.

### Hardware/Software Testing

IBM refers to Hardware/Software testing as “HW/SW Testing”. This is when the tester focuses his/her attention on the interactions between the hardware and software during system testing.

### Security Testing

Security Testing is a variant of Software Testing which ensures, that system and applications in an organization, are free from any loopholes that may cause a big loss. Security testing of any system is about finding all possible loopholes and weaknesses of the system which might result into a loss of information at the hands of the employees or outsiders of the Organization

### Advantages

The software helps to handle the entire administration of hospitals and healthcare facilities. Typically, such a software includes various modules that help doctors manage their assignments and schedules, carry out patient registration, maintain store inventory records, keep track of medicine, administration, maintain blood bank (with available blood type) details, individual record of patients with their test reports, nursing and housekeeping service details, financial information, including final billing & payments, insurance details and much more. After the customized software is implemented and integrated into the system, patient care and hospital administration becomes an easy job.

**8.Maintenance**

1. Hospital Information system is essentially a computer system that can manage all the information to allow health care providers to do their jobs effectively. • These systems have been around since they were first introduced in the 1960s and have evolved with time and the modernization of healthcare facilities. • The staff used them primarily for managing billing and hospital inventory. • All this has changed now, and today hospital information systems include the integration of all clinical, financial and administrative applications.
2. • As hospital information system covers all hospital operations and management, and its compositions contains - Software - Hardware - Network and other subsystems • Management and maintenance workload is very important and difficult, and some of the major components of healthcare Information system which have to be maintained periodically are: 1. Server maintenance 2. Data backup 3. User management and 4. Network security and maintenance.
3. **Software Maintenance:** It stands for all the modifications and updations done after the delivery of software product. There are number of reasons, why modifications are required, some of them are briefly mentioned below: • Market Conditions - Policies, which changes over the time, such as taxation and newly introduced constraints like, how to maintain bookkeeping, may trigger need for modification. • Client Requirements - Over the time, customer may ask for new features or functions in the software. • Host Modifications - If any of the hardware and/or platform (such as operating system) of the target host changes, software changes are needed to keep adaptability. • Organization Changes - If there is any business level change at client end, such as reduction of organization strength, acquiring another company, organization venturing into new business, need to modify in the original software may arise.
4. [.](https://image.slidesharecdn.com/maintenaceofhis-180806164121/95/maintenance-of-hospital-information-system-5-638.jpg?cb=1533573930)**• Types of Maintenance:**

* In a software lifetime, type of maintenance may vary based on its nature. It may be just a routine maintenance tasks as some bug discovered by some user or it may be a large event in itself based on maintenance size or nature. Following are some types of maintenance based on their characteristics: • Corrective Maintenance - This includes modifications and updations done in order to correct or fix problems, which are either discovered by user or concluded by user error reports. • Adaptive Maintenance - This includes modifications and updations applied to keep the software product up-to date and tuned to the ever changing world of technology and business environment. • Perfective Maintenance - This includes modifications and updates done in order to keep the software usable over long period of time. It includes new features, new user requirements for refining the software and improve its reliability and performance. • Preventive Maintenance - This includes modifications and updations to prevent future problems of the software. It aims to attend problems, which are not significant at this moment but may cause serious issues in future.

1. **Cost of Maintenance** A study on estimating software maintenance found that the cost of maintenance is as high as 67% of the cost of entire software process cycle. Factors affecting Maintenance Cost: • The standard age of any software is considered up to 10 to 15 years. • Older software's, which were meant to work on slow machines with less memory and storage capacity cannot keep themselves challenging against newly coming enhanced software's on modern hardware. 67% 15% 8% 7% 3% Software Maintenance Maintenance Testing Design Implementation Requirement.
2. As technology advances, it becomes costly to maintain old software. • Most maintenance engineers are newbie and use trial and error method to rectify problem. • Often, changes made can easily hurt the original structure of the software, making it hard for any subsequent changes. • Changes are often left undocumented which may cause more conflicts in future. • Maintenance Activities:
3. **Hardware Maintenance**:

1. Server Maintenance: • Server maintenance focuses on software maintenance, including regular or occasional monitoring of memory, disk space monitoring, security access control, computer virus checking and so on. • The network administrator usually does this, and it is crucial to the performance of the business. Without a proper IT service plan, the application software will never run as expected. • Server maintenance is such a big deal. Just like you go to the doctor for regular check-ups to make sure everything is healthy and whole, servers also need to be regularly monitored to ensure that all parts are working optimally.

**8.DATA BACKUP:**

• Data backup is a process of duplicating data to allow retrieval of the duplicate set after a data loss event. • These day’s, there are many kinds of data backup services that help enterprises and organizations ensure that data is secure and that critical information is not lost in a natural disaster, theft situation or other kind of emergency. Some of the methods of data backup are - Disks or tape backup - Direct-to-cloud backup - Hybrid cloud backup.

**9.User Maintenance:**

• User management describes the ability for administrators to manage user access to various IT resources like systems, devices, applications, storage systems, networks, and more. • User management is a core part to any directory service and is a basic security essential for any organization • User management enables admins to control user access and on-board and off-board users to and from IT resources and maintenance requires regular updating, backup of data and maintaining privacy. • Recent innovations in cloud technology have sparked a revolution in cloud Infrastructure-as-a-Service (IaaS) such as Azure, and Google Cloud Platform among others. Coupled with web applications, users have more IT resources available at their fingertips than ever before.

**10.Network Security and Maintenance:**

• Network security is any activity designed to protect the usability and integrity of the network and data. • It includes both hardware and software technologies. Effective network security manages access to the network. It targets a variety of threats and stops them from entering or spreading on your network. e.g., Wiretapping, Port scanner, Encryption, Virus, Buffer overflow, Cross site scripting, cyber attack.

### 

### 9.Conclusions

This project has been a rewarding experience in more than one way. The entire project work has enlightened us in the following areas.

1. We have gained an insight into the working of the HOSPITAL. This represents a typical real world situation.
2. Our understanding of database design has been strengthened this is because in order to generate the final reports of database designing has to be properly followed.
3. Scheduling a project and adhering to that schedule creates a strong sense of time management.
4. Sense of teamwork has developed and confidence of handling real life project has increased to a great extent.
5. Initially, there were problem with the validation but with discussions, we were to implement validations.

### 9.1 Limitations of the system

* + - Online payment is not available at this version.
    - Data delete & edit system is not available for all section.
    - User account not verified by Mobile SMS not available in this system.
    - Loss of data due to mismanagement.

### 9.2 Future plan

* + - Diagnostics billing system.

### 10.Future Scope

Hospitals and healthcare centers have undergone a change for its betterment. The administrations of healthcare sector are opting IT solutions for the better management and patient care in their hospital campus. Have a look at some salient features of hospital management software.

Daily functions like patient registration, monitoring blood bank, managing admission and overall management of various departments can be easily performed with higher accuracy after the installation of [hospital software](http://www.hospitalerpsoftware.in/).

The modules of hospital management software are user-friendly and easy to access. It has a common user friendly interface having several modules. The officials can utilize these modules in their processes without any hassle and make the best possible use of hospital management system.

Since, every hospital has some or the other points of worth those vary in comparison with to its competitors. Hence, most of the IT companies give on-demand solutions or feature of customization. It further implicates that hospital information management software can be customized by specifying personal requirements of the campus.

The automated functions of [online hospital software](http://www.hospitalerpsoftware.in/) make productivity effective. This web based IT solution has automated operations and permit officials to continue with their work in a swift manner. It further implicates that complete automation of the hospital software makes productivity easily obtainable. All in all, this enhances the infrastructure of hospital administration.

This tool is a comprehensive solution that integrates all the departments by creating a common platform. In brief, hospital management system has all the modules that serve purpose of all the departments of healthcare institute. In fact, these modules have been competitively designed to make all the operations simplified.

**11.References**

1. W. Jason Gilmore “Beginning PHP 5 and MySQL 5 from Novice to Professional SECOND EDITION”, Jul 9, 2008.100-150 pp.
2. Abraham Silberschatz, Henry F. Korth and S. Sudarshan “Sixth Edition Database System Conceptsreleased”, January 28, 2010. 206-253 pp.
3. HTML &CSS [https://www.w3schools.com/,](https://www.w3schools.com/)
4. Bootstrap[http://getbootstrap.com/,](http://getbootstrap.com/)
5. https://stackoverflow.com/