KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

PROJECT REPORT ON HOSPITAL MANAGEMENT SYSTEM (PHP)

CSE 3100: Web Programming Laboratory

Project Name: Hospital Management System in PHP

Submitted By:

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Objectives:

1. Creating a hospital webpage named "Healthcare" for people to make doctor's appointment through online.
2. Design a system for better patient care.
3. Provide top management a single point of control.
4. Reduce hospital operating costs.
5. Scheduling the appointments of patients with doctors to make it convenient for both.
6. To promote awareness of health care among all sections of people.
7. To promote awareness among functionaries involved in Health and Hospital Management.
8. To promote the development of high quality hospital services and community health care.

Introduction:

The "Hospital Management System" project has been developed to reduce the problems prevailing in the practicing manual system. I have named this project as "Healthcare". This project is supported to eliminate the hardships faced by this existing manual system. This website is very easy to use. It is designed in a very simple way so that the users can save their time and make appointment to the hospital quickly. No formal knowledge is needed for the users to use this website. So, it is proved that the website is very user-friendly. It will take only 2 minutes to make appointment of doctors from this website. The aim is to automate its existing manual

system by the help of computer software. Basically, the project describes how to manage for good performance and better services for the users.

In this project, I have used HTML, CSS as frontend, PHP as backend and to add some functionality, JavaScript has been used. Moreover, I have user Visual Studio Code text editor to code. It is mainly database-oriented. I have used PHP MyAdmin , MySQL for this purpose. PhpMyAdmin is a free and open source administration tool for MySQL and MariaDB. As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services. The project includes SQL insert, select, delete operations. It has two different functionalities for admin and users. I have used session to maintain the security of the users' information and logged them in for the time being.

Detailed Description:

My project has both user and admin panel and some features which are described in details below:

1. **<u>User Panel:</u>**
   - When a user will open the website, a home page will appear before him/her.
   - In this page, user can see the about, service, reviews and some sections of the hospital.
   - If user has already an account, he/she can click into the login page directly and make appointment. But if he/she doesn't have an account, he/she has to register at first to make appointment.
   - If the user doesn't want to login or register, he/she can't make appointment but still can send message to the admin.
   - User can log out anytime.

2. <u>**Admin Panel:**</u>
   - In the admin panel section, the admin will see the list of all users and admins and also can delete them from the admin dashboard.
   - Admin can add doctors by proving some details of the doctors and can see the list of doctors which are added and also can delete the data.
   - Admin can check the appointments made by the users and can cancel them.
   - Admin can also see the messages sent by the users.
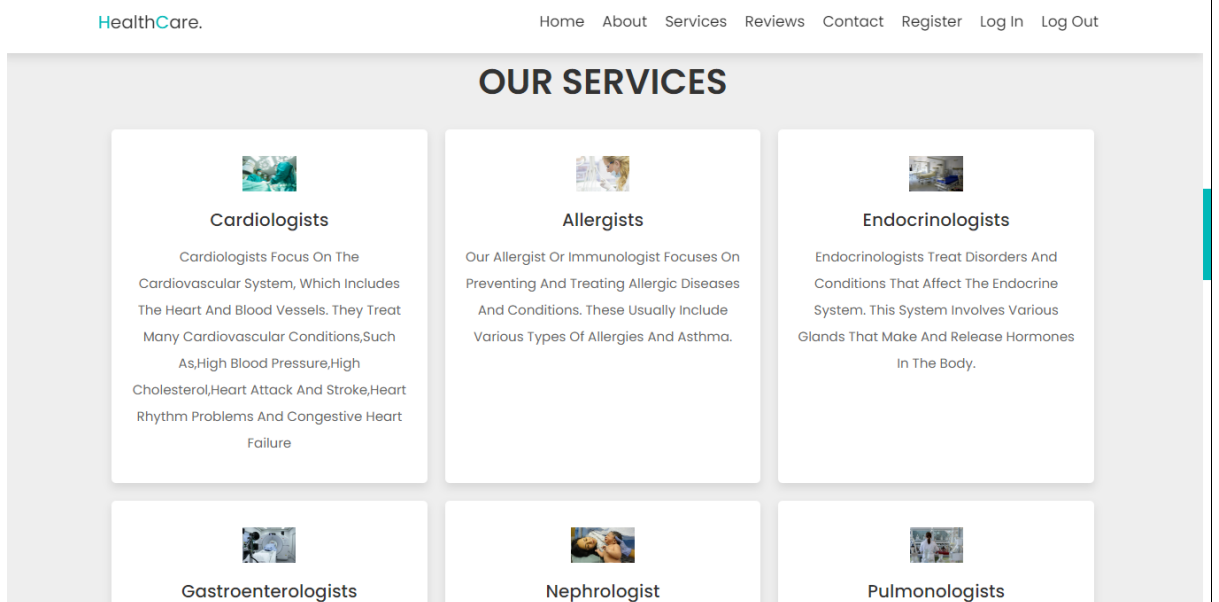   - Admin can log out anytime.

Detailed visualization:

   - **Home page:** This page is visible for both admin and users.
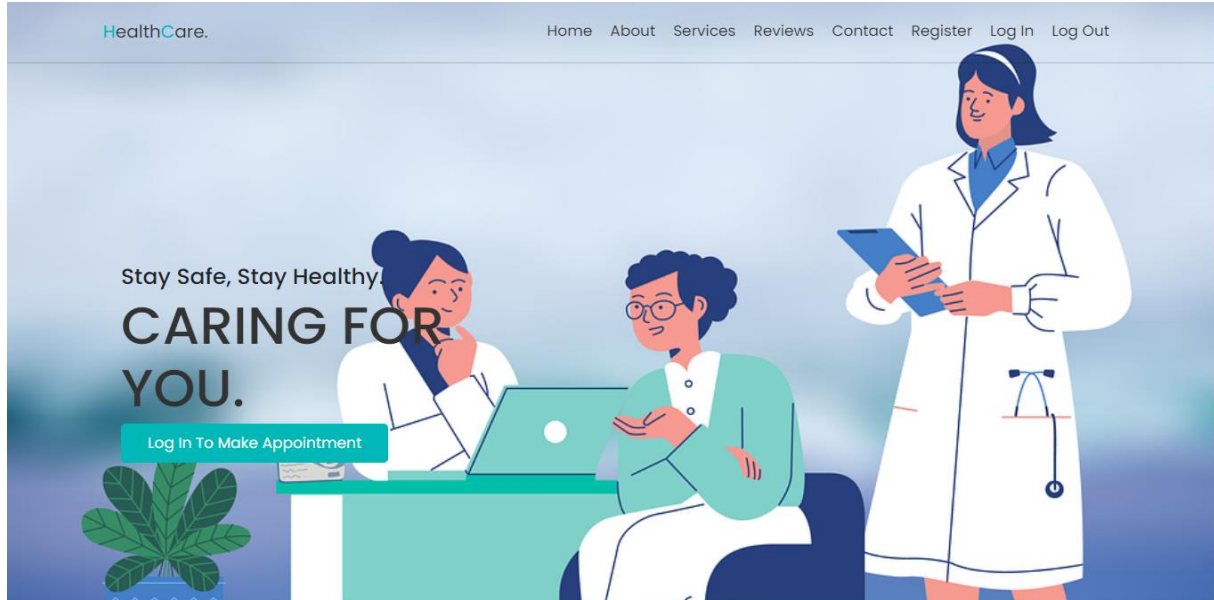
- **About section:** This page is about the information of the hospital.
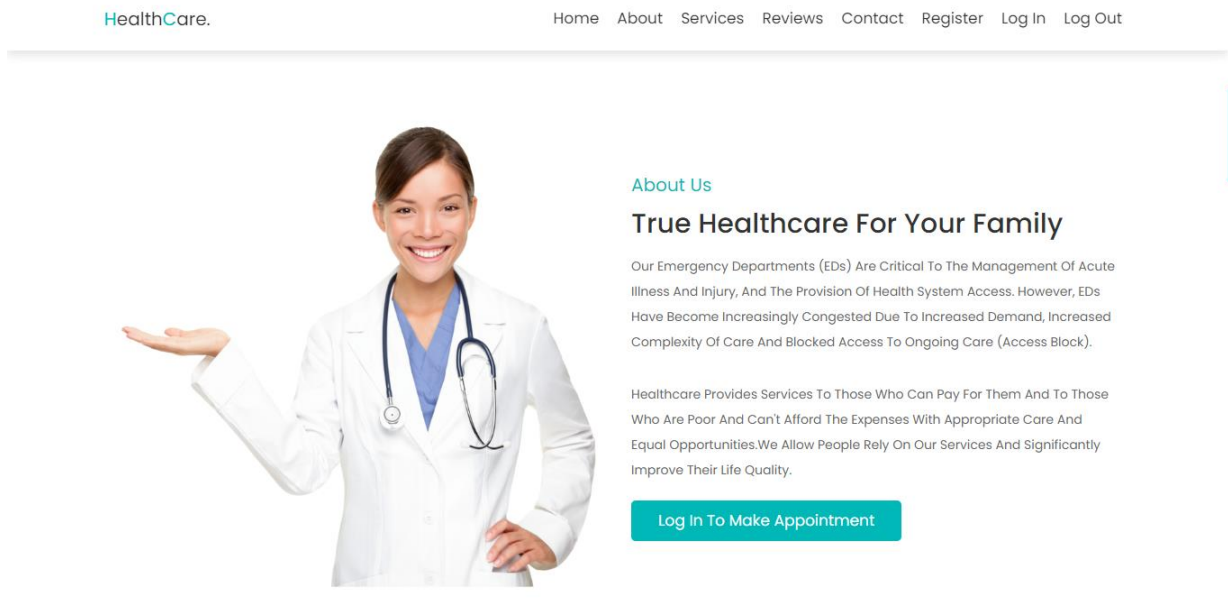
- **Services section:** This section is about the services the hospital authority provides.

WORK PROCESS

Congenital Heart Disease

Heart Disease Is Any Disorder That Affects The Heart's Ability To Function Normally. The Most Common Cause Of Heart Disease Is Narrowing Or Blockage Of The Coronary Arteries, Which Supply Blood To The Heart Itself. This Happens Slowly Over Time.

Pediatric Dentistry

Pediatric Dentistry Is The Branch Of Dentistry Dealing With Children From Birth Through Adolescence. The Specialty Of Pediatric Dentistry Is Recognized By The American Dental Association, Royal College Of Dentists Of Canada, And Royal Australasian College Of Dental Surgeons.

Red Eye

Eye Redness Is Where There Is A Lack Of Sufficient Moisture In The Eye And Large Dilated Blood Vessels On The Surface Of The Eye.

- **Reviews section:** This page is about the reviews of the users.

SATISFIED CLIENTS

This Place Is Trustworthy For People.

★★★★☆

Arham Ahmed

Jan 5, 2019

Highly Recommended

★★★★☆

Jannatul Ferdous Esha

Jan 7, 2020

You Won't Be Dissatisfied<

★★★★★

Saifan-Al-Areez

Jan 10, 2022

TELL US SOMETHING

- **Contact section:** This page is about the contact section. From this section, user can send message to the admin.
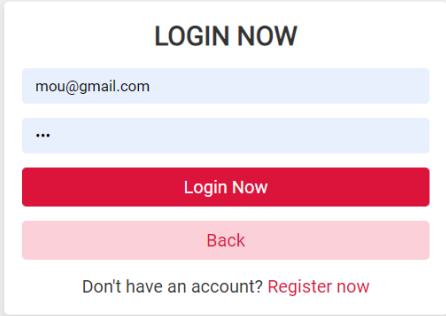
- **Register page:** This is the register page. Here, one can register as a admin or a user.

- **Login page:** This is the login page.

- **Make appointment section :** If user is logged in, this page will appear. It is same as the home page. But in here, user can make appointments by clicking on contact or Make appointment.

- **Admin-Dashboard:** If admin email, password is provided it will bring to this page named admin dashboard.
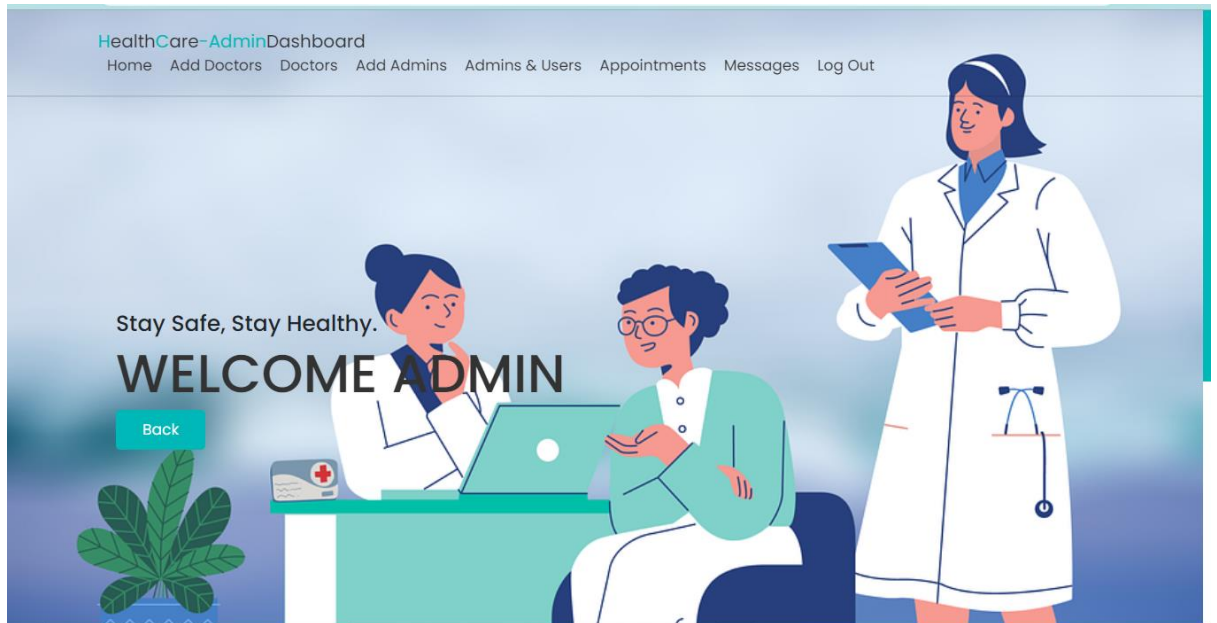
- **Add doctors section:** Here, admin can add doctors.

- **Doctor's list section:** Admin can see the list of doctors.

DOCTORS LIST

Id	Name	Email	Speciality	Action
1807101	Susmita	susmita@gmail.com	Allergist	Delete

Back

Log Out

- **Add admins section:** Admin can add other admins.

ADD ADMINS

Enter admin name

Enter admin email

Enter admin password

Confirm admin password

User

Add Now

Back

Already have an account? Login now

- **Admins and users section:** Admin can see the list of users and doctors.

ALL THE USERS

Name	Email	User type	Action
Mou	mou@gmail.com	admin	Delete
Arham	arham@gmail.com	user	Delete
auyshe	auyshe@gmail.com	user	Delete
rity	rity@gmail.com	admin	Delete
nusrat	nusrat@gmail.com	admin	Delete
Tuli	tuli@gmail.com	admin	Delete

Back

Log Out

- **Appointments section:** Admin can see the appointments and also can cancel them if it is necessary.

ALL THE APPOINTMENTS

Name	Email	Phone number	Date & Time	Action
Mou	mou@gmail.com	12473893	2022-07-15 11:31:00	Cancel
Mou	mou@gmail.com	12473893	2022-07-15 11:31:00	Cancel
Arham	arham@gmail.com	63478905	2022-07-18 11:44:00	Cancel
Eva	eva@gmail.com	1234567890	2022-07-18 09:00:00	Cancel
Asif	asif@gmail.com	123456789000	2022-07-18 11:40:00	Cancel
masum	masum@gmail.com	123456789	0000-00-00 00:00:00	Cancel

Back

Log Out

- **Messages section:** Admin can see the messages.

ALL THE MESSAGES

Name	Message	Action
Tanisha	nice service	Delete

Back   Log Out
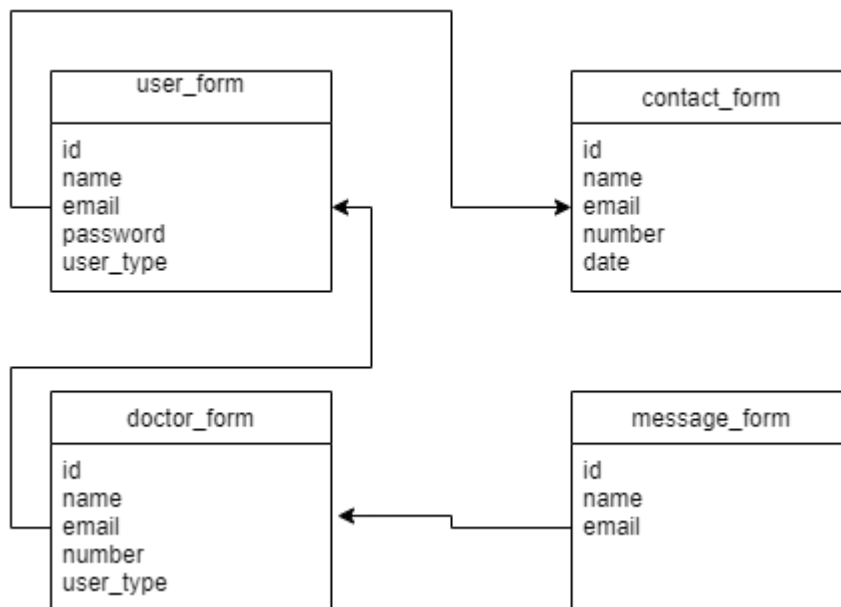
- If admin or user log out from the website, they will return to the home page.

Flow chart:
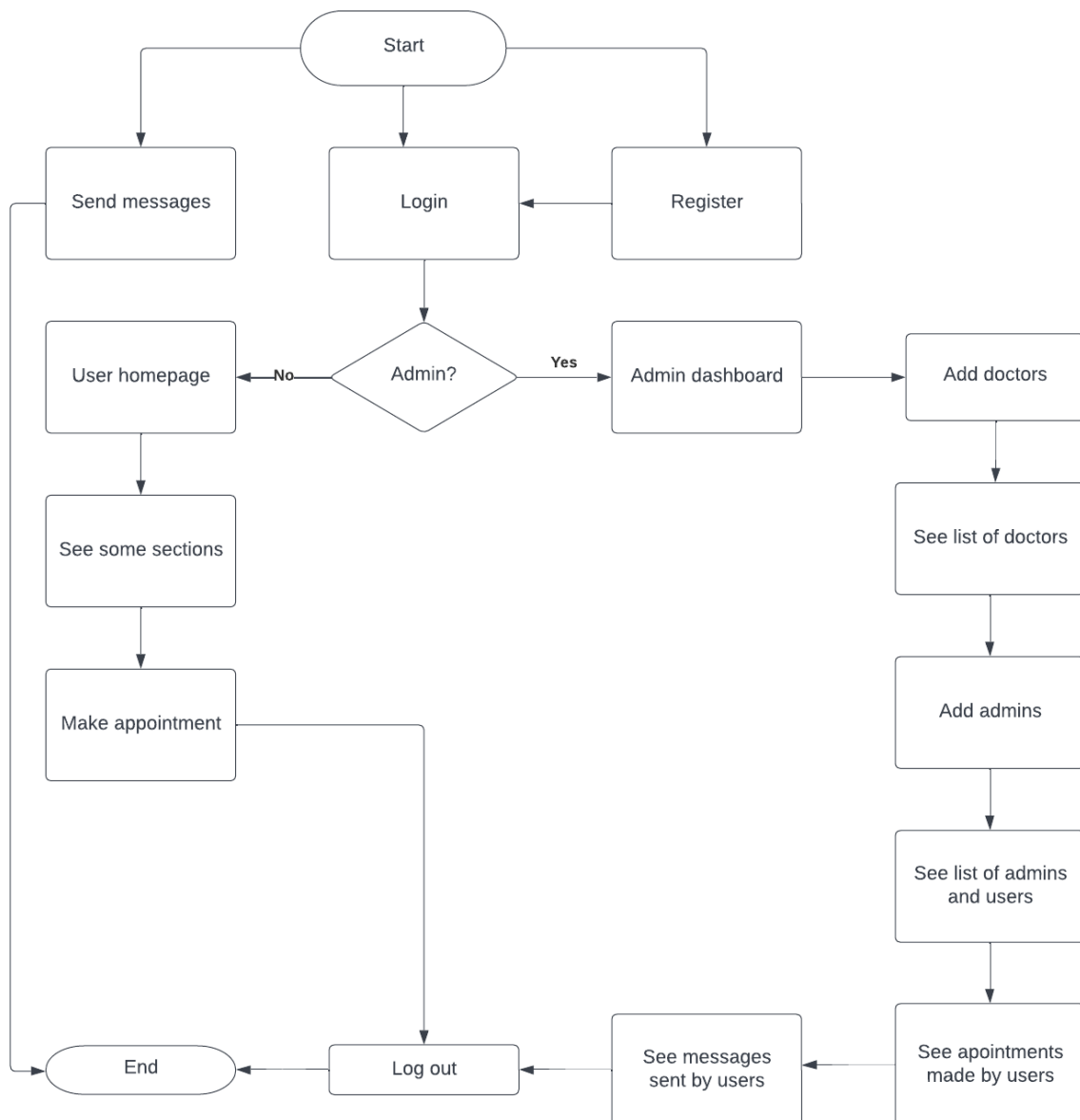
Schema Diagram:

In total I have used four tables to store my data.

Target and accomplishment:

I tend to make a better user-page for users. I wanted to let the users know if their appointment is confirmed or not. But the process includes so much paperwork. So I couldn't make this feature. Moreover I intended to make a chat system, but due to time inefficiency, I couldn't do that. Otherwise, everything went fine.

Discussion and conclusion:

The project is basically for building a user-friendly hospital management system. I used PHP mysql database management system, Visual Studio code for text editor, DRAW SQL for designing the database and lucid chart for making the flow chart of the website. The xampp control panel denied its access for once. That's the one issue I faced while making the project into reality. Otherwise I worked fine