Major Project Report on HOSPITAL MANAGEMENT SYSTEM

Submitted by

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Under the supervision and guidance of

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Internship Guide

In the partial fulfilment of requirements for the award of Degree in ***[Master of Computer Applications]*** Batch [2021-2022]

Submitted to the

SCHOOL OF INFORMATION TECHNOLOGY

SRM UNIVERSITY SIKKIM

TADONG, GANGTOK, EAST SIKKIM – 737102

DECLARATION

I hereby declare that the work recorded in this project report entitled "**HOSPITAL MANAGEMENT SYSTEM**" in partial fulfilment for the requirements for the award of Degree in **Master of Computer Applications** from SRM University Sikkim, is a faithful and Bonafede work carried out under the supervision and guidance of **Mr. Abhimanyu Sharma** Lecturer from May to August.

The results of this nvestingation reported in this project have so far not been reported for any other Degree / Diploma or other technical forum.

The assistance and help received during the course of the investigation have been duly acknowledged.

Name: Anisha Neopaney

Registration No: 20IT103022

CERTIFICATE OF ACCEPTANCE

This is to certify that **Ms. Anisha Neopaney** bearing Registration No. 20IT103022 of School of Information Technology, SRM University Sikkim has worked on the project entitled "**HOSPITAL MANAGEMENT SYSTEM**" under the supervision of **Mr. Abhimanyu Sharma** Lecturer School of Information Technology, Shri Ramasamy Memorial University Sikkim. The project was carried out from May 2022 to August 2022.

The project is hereby accepted by the School of information Technology, SRM University Sikkim, in partial fulfilment of the requirements for the award of Degree in Master of Computer Application.

Dr Om Prakash Sharma

HOD(IT)

School of Information Technology

SRM University Sikkim

HEAD OF DEPARTMENT
SCHOOL OF INFORMATION TECHNOLOGY
SRM UNIVERSITY SIKKIM

BONAFIDE CERTIFICATE

Certified that this project report titled "**HOSPITAL MANAGEMNET SYSTEM**" is the Bonafide work of **ANISHA NEOPANEY (20IT103022)** who carried out the research under my supervision. Certified further, that to the best of my knowledge the work reported herein is not part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion to this or any other candidate.

Submitted for the viva-voce examination held on 10th August 2022 to 23rd August 2022.

HOD- School of IT

HEAD OF DEPARTMENT
SCHOOL OF INFORMATION TECHNOLOGY
SRM UNIVERSITY SIKKIM

GUIDE

ASSOCIATE DEAN

INTERNAL EXAMINER

EXTERNAL EXAMINER

I would like to express my special thanks of gratitude to **"Mr. Abhimanyu Sharma"** as well as "**Mr. MAINAK**", for their able guidance and support in completing our project. We would also extend our gratitude to the HOD

"**Dr.OM PRAKASH**" and Director of SIKHARTHY INFOTECH PVT LTD

"**Miss SHILPI GOSHAL**" for giving me the opportunity to work as an intern and our project coordinator "**Miss SABNA SHARMA**" for providing us with all the facilities that was required.

INTERNSHIP CERTIFICATE

SIKHARTHY INFOTECH PVT. LTD.

ERGO Brilliant, EP & GP-95, 4th Floor, Module – 404A, Sector V, Salt Lake, Kolkata – 91

Recognized by STARTUP INDIA, NSDC, UTKARSH BANGLA, BOPT

Date: 01-07-2022

To Whom It May Concern

This letter certifies that ***Anisha Neopaney*** was entitled in the role of ***Software Developer Intern*** with ***Sikharthy Infotech Pvt. Ltd.*** during the period beginning from ***2nd May, 2022*** and ending ***2nd August, 2022***.

During her time with ***Sikharthy Infotech Pvt. Ltd***, ***Ms. Anisha Neopaney*** has remained dedicated to her work and responsibilities with our company. Her responsibilities included ***Hard work***, ***Dedication***, and ***Quick learning ability***.

She has done a typical job while in this role. ***Ms. Anisha*** has always maintained a professional and courteous attitude and appearance while with our company.

We wish her all the best in her future career opportunities.

Please contact us for any additional information.

Yours sincerely,

SHILPI GHOSHAL
Director
SIKHARTHY INFOTECH PRIVATE LIMITED

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ABSTRACT

Hospital Management System is an organized computerized system designed and programmed to deal with day-to-day operations and management of the hospital activities. The purpose of the project "**Hospital Management System**" is to computerize the front office management of hospital to develop software which is user friendly simple, fast and cost-effective. The main function of the system is approving the appointment placed by the patients and store their details, doctor details, and retrieve these details as and when required, also to manipulate these details meaningfully. Hospital Management System follows a authentication based system in which only the registered user can access the system. The system is built so to protect the user data and information.

ANISHA NEOPANEY (20IT103022)

MCA IV SEMESTER

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CHAPTER: 1

INTRODUCTION

1.1 overview

The project Hospital Management system includes appointment booking, registration of

patients, doctor, and storing their details into the system. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. The project can be entered using a username and password. Where User can search various services available, Book appointment, view doctor details and Doctor can view their appointments and patient detail using their id. It is accessible either by an admin or staff. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. Hospital Management System is Powerful, Flexible and easy to use and is designed and developed to deliver real conceivable benefits to hospitals, clinics tec.

This system has four modules.

- Admin
- Staff
- Doctor

- Patient

1.2 Company Profile

Sikharthy Infotech Private Limited is the best Web Development Company in Kolkata. We provide Website Development, Website Designing, Content Development, and Digital Marketing services in Kolkata. Sikharthy Infotech has a dedicated and highly-skilled team of resources for all kinds of assistance.

Sikharthy Infotech Private Limited has a Skill Development wing where students and freshers are getting skilled to join the IT sector. Today, many of our trained candidates are working with different MNCs like TCS, CTS, ITC Infotech, and many more.

We aim to:

- Build you perfect for Corporate World
- Make you capable to handle the regular work flow of client
- Fulfill the difference between theoretical knowledge and practical knowledge

1.3 Training Undergone

- Learned to use Bootstrap, PHP MySQL.
- Researched how to access database using Code-Igniter 3 ○ Researched how to manage the patient's appointment.
- Researched how staff handles both doctor and patients.

CHAPTER:2

LITERETURE REVIEW

2.1 Introduction

An extremely important area which is the backbone for any research as it provides the entire information pertaining to the problem and objectives. Reviews consisting to antecedents of the App pertaining to the trust of customer and the digital mode of retention of flow in digital era service quality, customer trust, satisfaction, and commitment in Digital mediating to customer retention.

2.2 Existing Systems

2.2.1. Developing Effective Hospital Management Information Systems. Dr. Christopher Bain MBBS (2019).

Methodology:

It focusses on Technology Ecosystem Perspective and the needs of hospital manager and the ecosystem in which he/she operates.

Problems:

These paper highlights the internal and external environment shaping factor ESF's that bear an impact on daily hospital activities and decision-making process that the hospital manager has to go through in each situation.

2.2.2 A hospital resource and patient management system, Musa, A. Lancashire UK (2015).

Methodology:

Based on real time data capture facilitates real time tracking of hospital assets, patient as they move through pre ser procedures as part of daily activities of the hospitals.

Problems:

This paper highlights limitations of existing systems and proposes a RFID (Radio Frequency ID) and wireless sensor based, location and information management framework

1.4 Problem Definition

The Problems are:

- Lack of immediate retrievals.
- Lack of Immediate Information storage.
- Lack of Prompt Updating
- Preparation of accurate and prompt reports.

1.4 Objective

- Keeping information about various diseases and medicines available to cure them.
- To improve the management faciality of hospitals.
- Recording information about the Patients that come and recording information related to diagnosis given to patients.
- Eliminate any chances of Manual Error.

CHAPTER:3

METHODOLOGY

3.1 Introduction

Systems are designed keeping in mind an issue that is to be solved. Every system is designed in its unique keeping in mind the requirement of the problem or the issue. Our system solves the problem of searching for the good that the customer's needs.

System design involves the design of overall architecture, based on which we design components, modules and interfaces. The beginning of any system architecture is by decomposing it into smaller fragments. Decomposition and binding of components makes the architecture easy to understand and makes it easier to understand.

Our system uses algorithm for collecting data which will collect the data of user and we have data analysing algorithm which will analyse and highlight the needs of user.

3.2 ARCHITECTURE DIAGRAM

An architectural diagram is a diagram of a system that is used to abstract the overall outline of the software system and the relationships, constraints, and boundaries between components. It is an important tool as it provides an overall view of the physical deployment of the software system and its evolution roadmap.

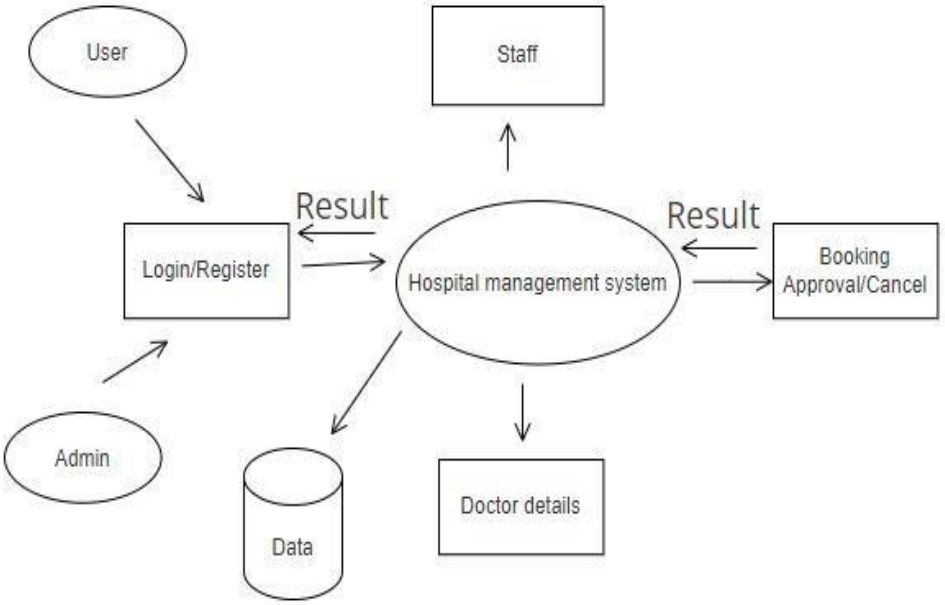

Fig1: Architectural Diagram

3.3 Use Case Diagram

A use case diagram in the Unified Modelling Language (UML) is a type of behavioural diagram defined by and created from a use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases.

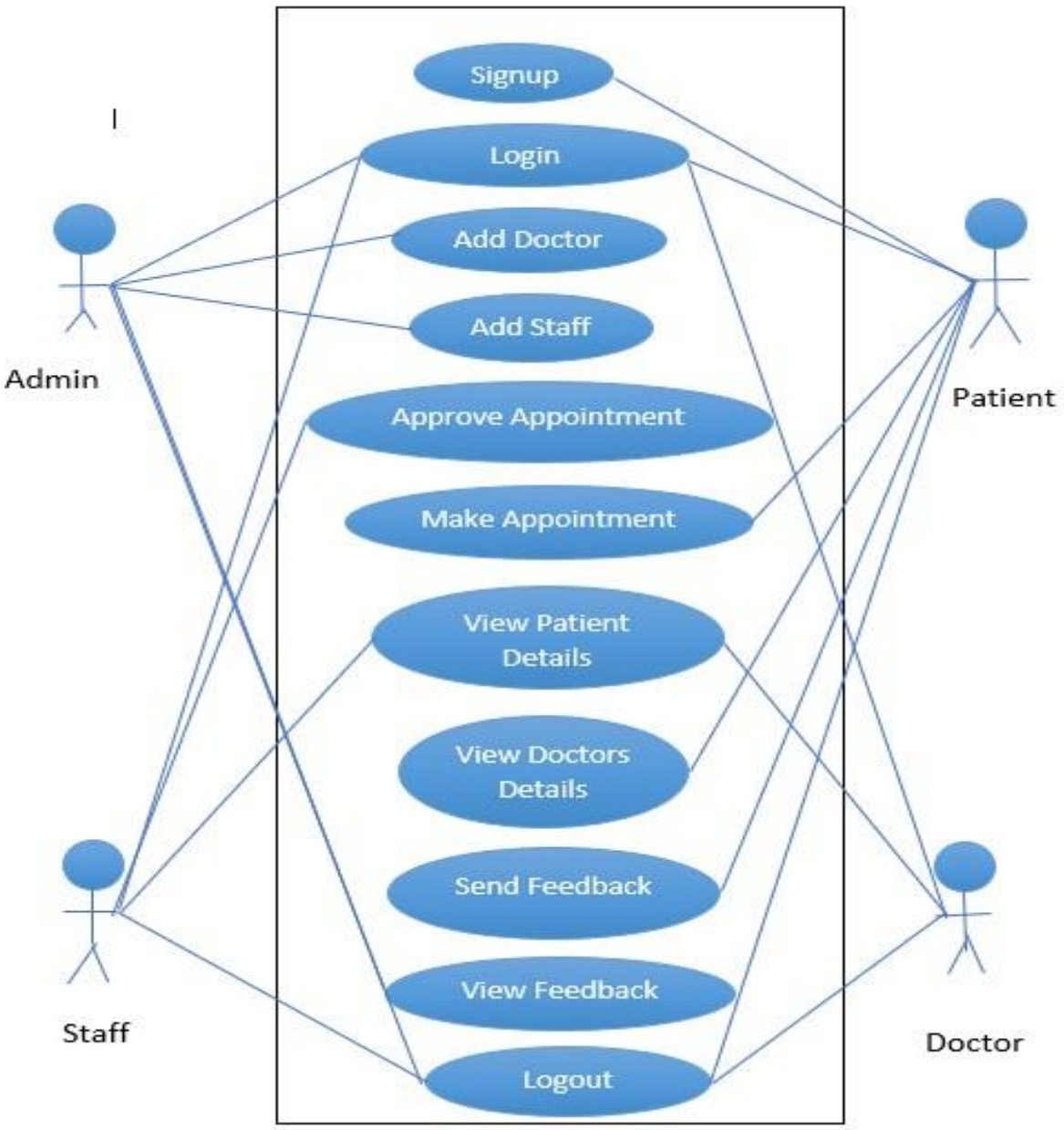

Fig 2: Use Case Diagram

3.4 Introduction to Tools used in Project

3.4.1 Introduction of Html

Hyper-Text Mark-up Language (HTML) is a simple mark-up system used to create hypertext documents that are portable from one platform to another.

HTML documents are SGML documents with generic semantics that are appropriate for representing information from a wide range of applications. HTML mark-up can represent hypertext news, mail, documentation, and hypermedia; menus of options; database query results; simple structured documents with in-lined graphics; and hypertext views of existing bodies of information. **Advantages of Html**

1 It is widely used.

2 Every browser supports HTML language.

3 Easy to learn and use.

4 It is by default in every window so we don't need to purchase extra software.

3.4.2 Introduction of CSS

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

Advantages of CSS

1. Greater consistency in design.
2. Ease of presenting different styles to different viewers.

3.4.3 About PHP:

PHP: Hypertext Pre-processor is a widely used, general-purpose scripting language that was originally designed for web development to produce dynamic web pages. For this purpose, PHP code is embedded into the HTML source code and can be interpreted but a web server with PHP processor module, which helps to generate web page document. PHP is a generalpurpose scripting language that is especially suited to server-side web development where PHP generally runs

on a web server. It can also be used for command line scripting and client- side GUI application. Many operating system and platforms, can be used with many relational database management systems. It is also free of charge.

3.4.4 Working with PHP:

When a client requests web page containing PHP code from the server, then the requested PHP pages are passed under PHP environment and interaction with database is made if required. After server-side processing, the resulting HTML pages are passed to client and displayed on the browser. In this way the working of PHP is complete.

3.4.5 Connecting PHP Application with MySQL Database

- Make a connection variable with the database:

```
$conn =
mysql_connect("localhost","servername","password");
```

Here $conn is a connection variable to database.

- Select a database over that connection variable:

```
$db=mysqli_select_db("databasename"
,"$conn");
```

- Prepare a sql query to execute:

```
$query = Select * from databasename;
```

- Run the sql query:

```
$result = mysqli_query ($query);
```

- Iterate over the result:

```
while ($row = mysqli_fetch_array($result)
{
    //statements
```

}

3.4.6 Introduction to MySQL:

MySQL is a Relational Database Management System (RDBMS) that runs as a server providing multi-user access to a number of databases. MySQL is pronounced ("My S-Q-L")

MySQL development project has made its source available under the terms of General Public License. MySQL is owned and sponsored by a single for profit firm, the Swedish company MySQL AB, now owned by Sun Microsystem, a subsidiary of Oracle

Corporation.
MySQL works on many different system platforms including AIX, BSD i, FreeBSD, HPUX, i5/OS, Linux, Mac OS X, Net BSD, Novell NetWare, Open BSD, Open Solaris, e com Station , OS/2 Wrap, QNX, IRIX, Solaris, Symbian, SunOS, SCO Open Server, SCO Unix Ware, Sano's, Tru64 and Microsoft Windows. A port of MySQL to Open VMS also exits. All major programming languages with language-specific APIs include Libraries for accessing MySQL database.

3.4.7 Introduction to APACHE SERVER

In this project Apache server is user to parse and execute PHP pages, before deploying websites on the server, the website should be tested at the developer's side to get a feel of how the website will work on actual server. Therefore, Apache server is like a local server on the developer side, Apache server should be informed about the environment on which it should work. In our project Apache server is configured to work with PHP, in this way all the PHP pages are parsed and executed by the server.

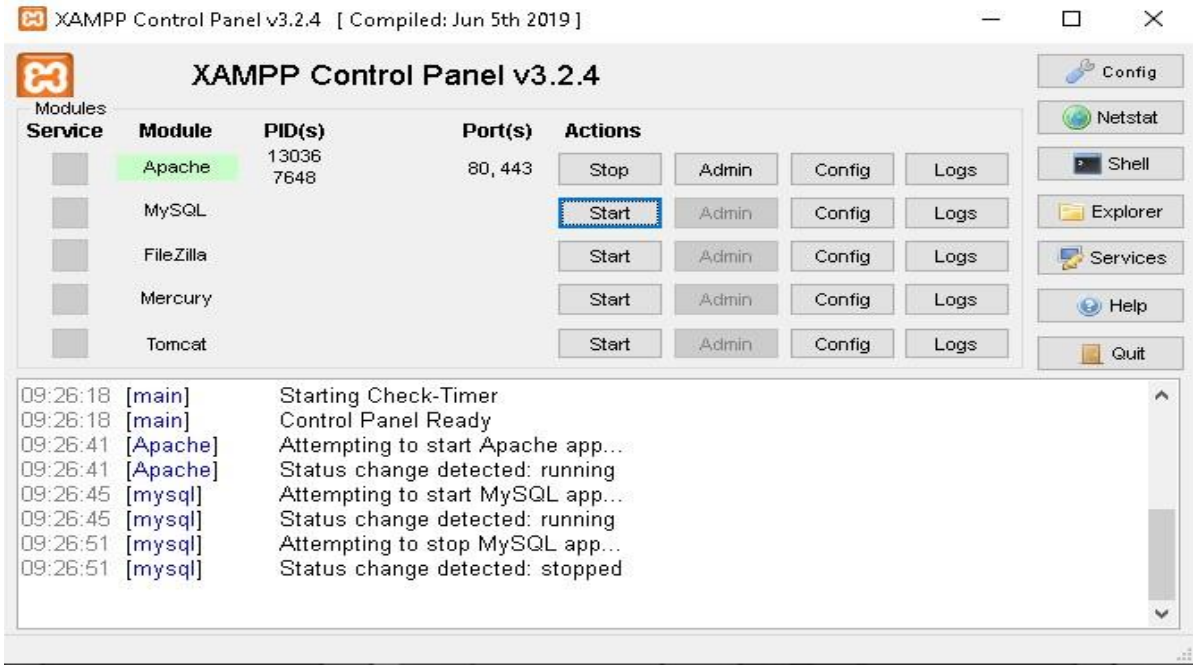

Fig 3: Apache Server Monitor

CHAPTER 4:

RESULT AND DISCUSSION

4.1 Home page for patient

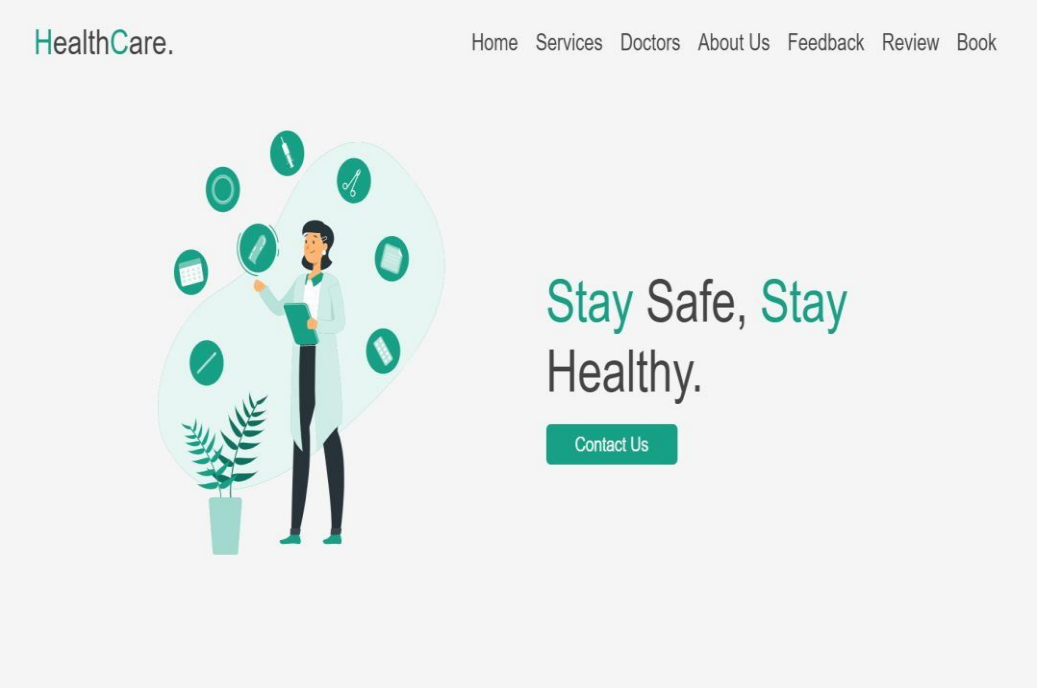

Fig 4: Homepage for patient

4.1.1 Our Doctor Page

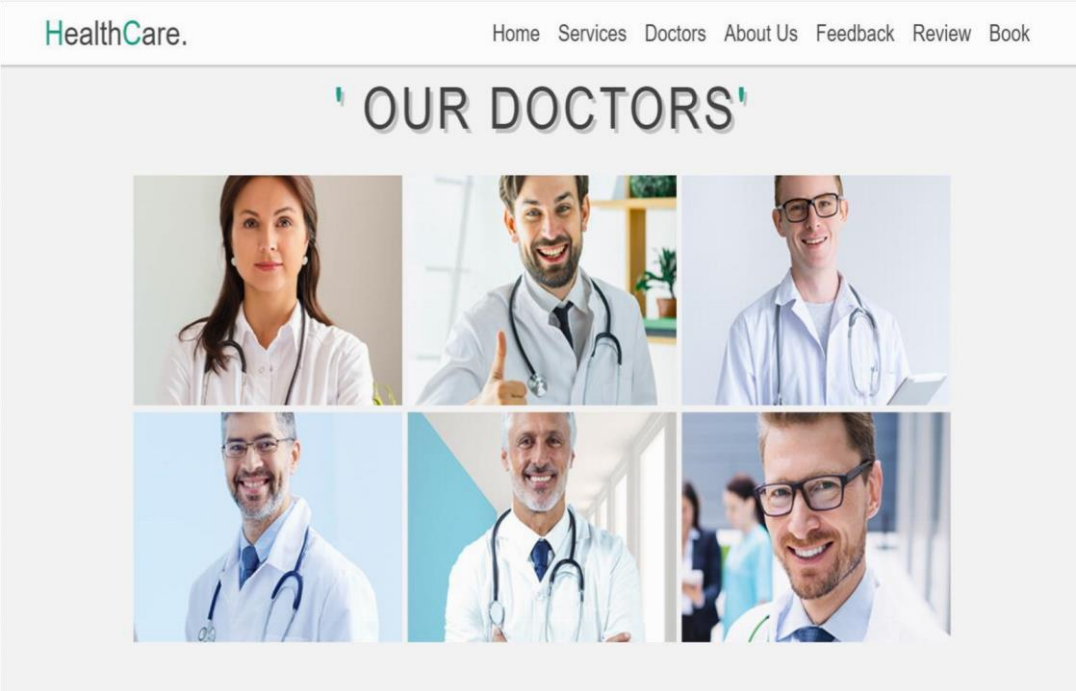

Fig 5: Doctors Page

4.1.2 About Us Page

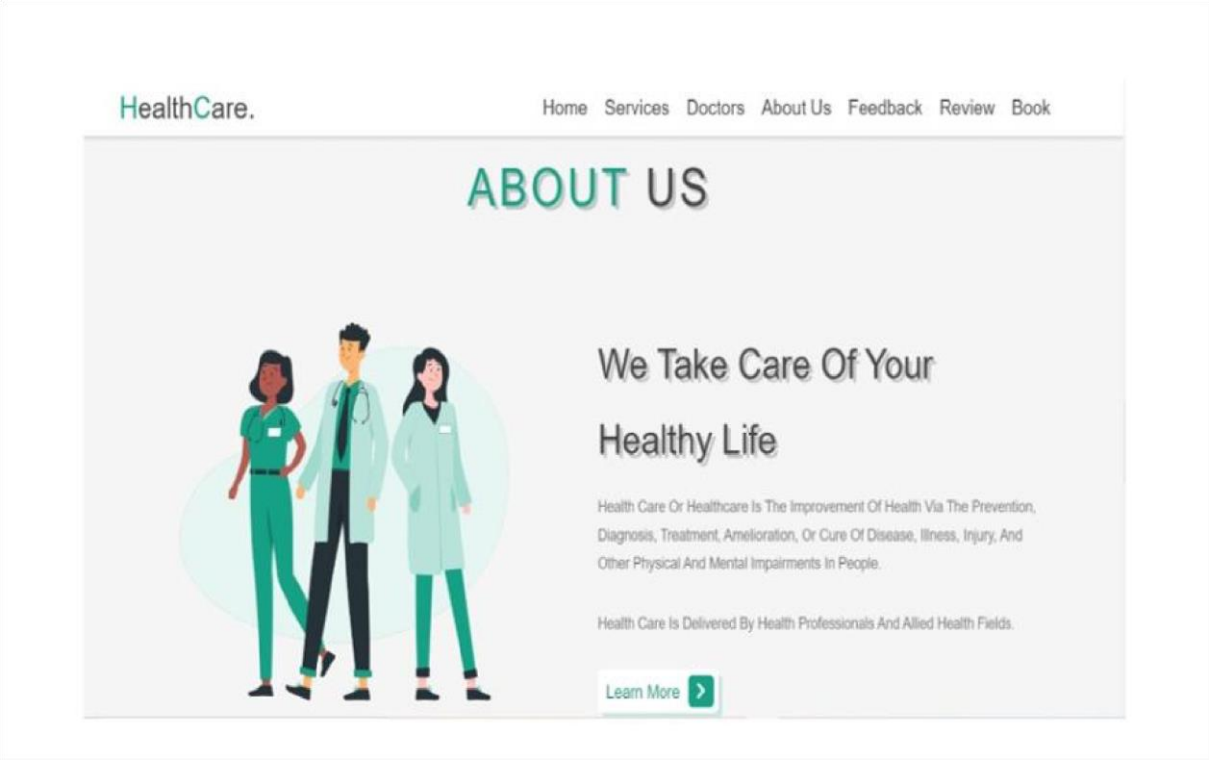

Fig 6 : About Us

4.1.3 Feedback Form for patient

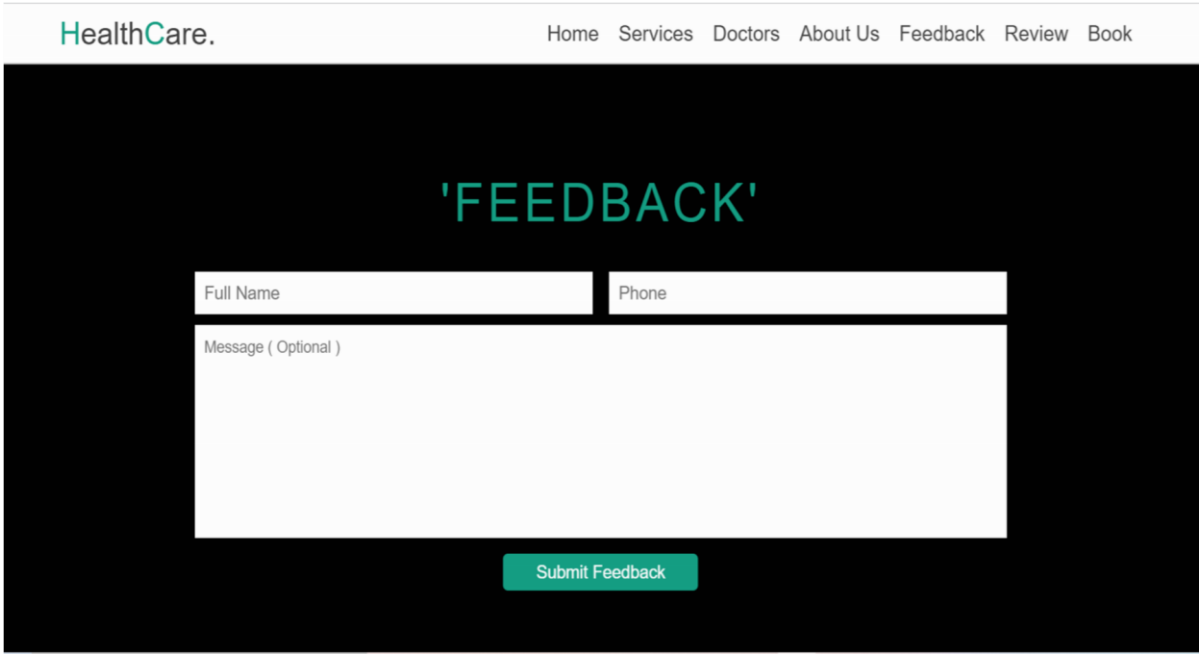

Fig 7: Feedback Form

4.1.4 Review's Page

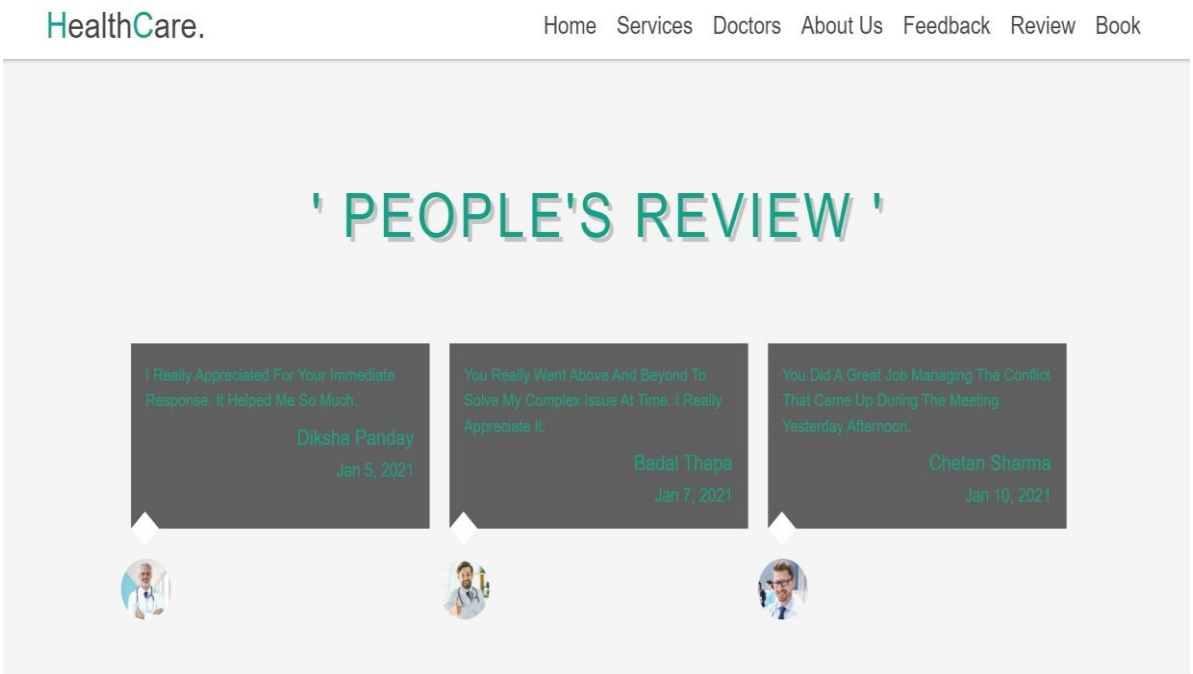

Fig 8: Review

4.1.5 Registration Page for Patient

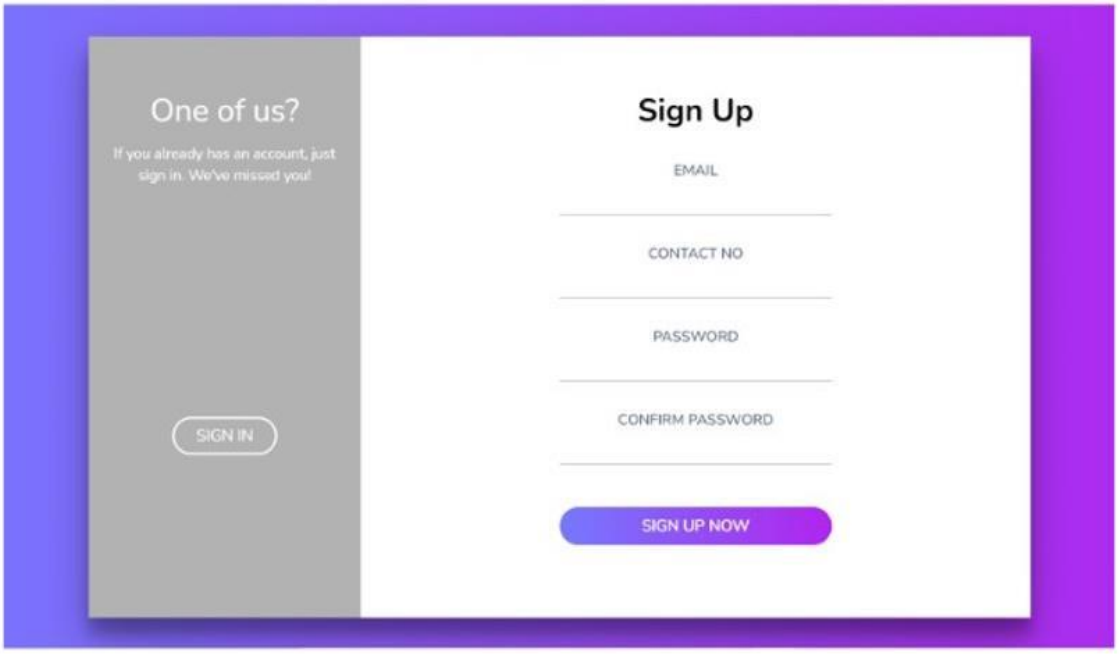

Fig 9: Registration

4.1.6 Login Page for Patient

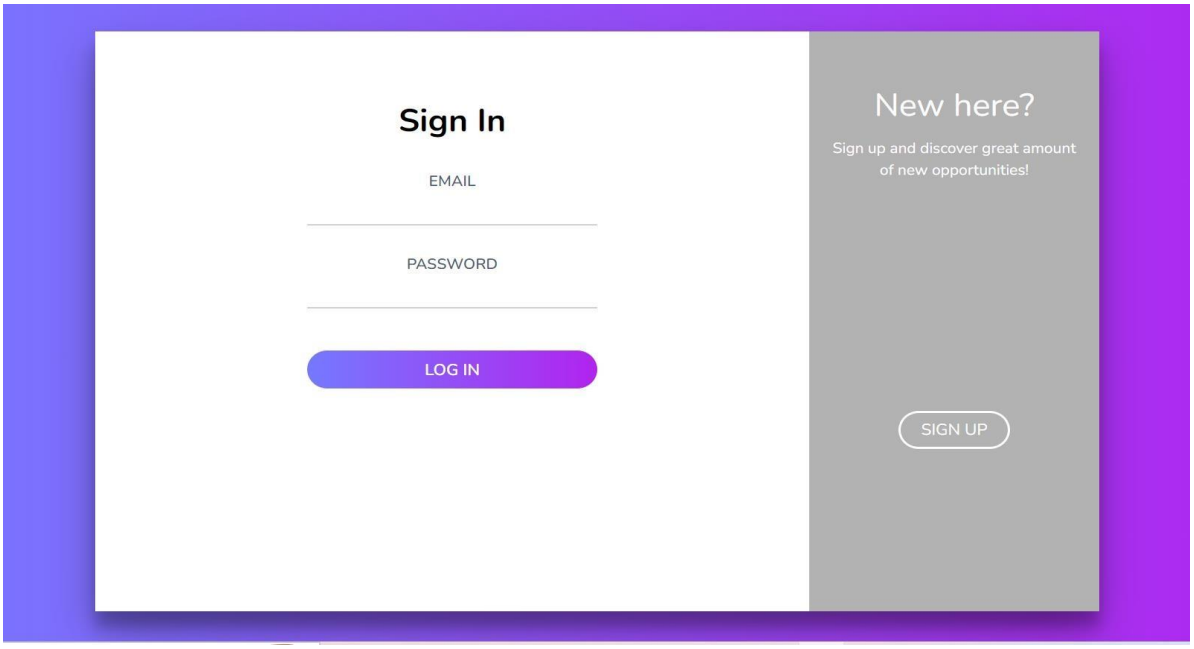

Fig 10: Login

4.1.7 Appointment Booking Page

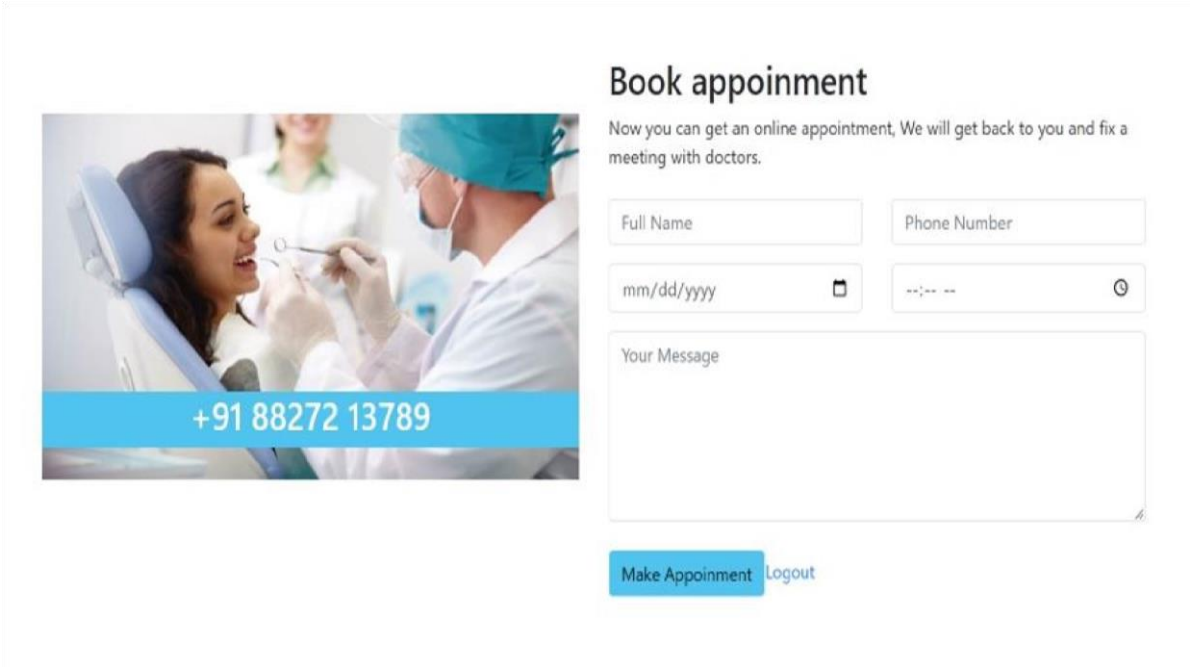

Fig 11: Appointment Booking

4

.2 Admin Login Page

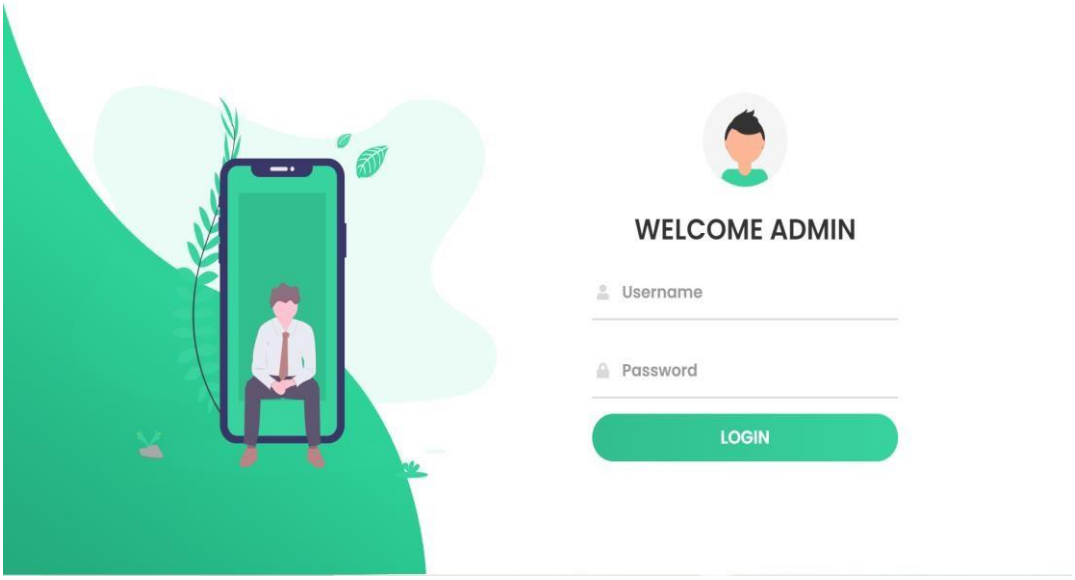

Fig 12: Admin login page

4.2.2 Admin Dashboard

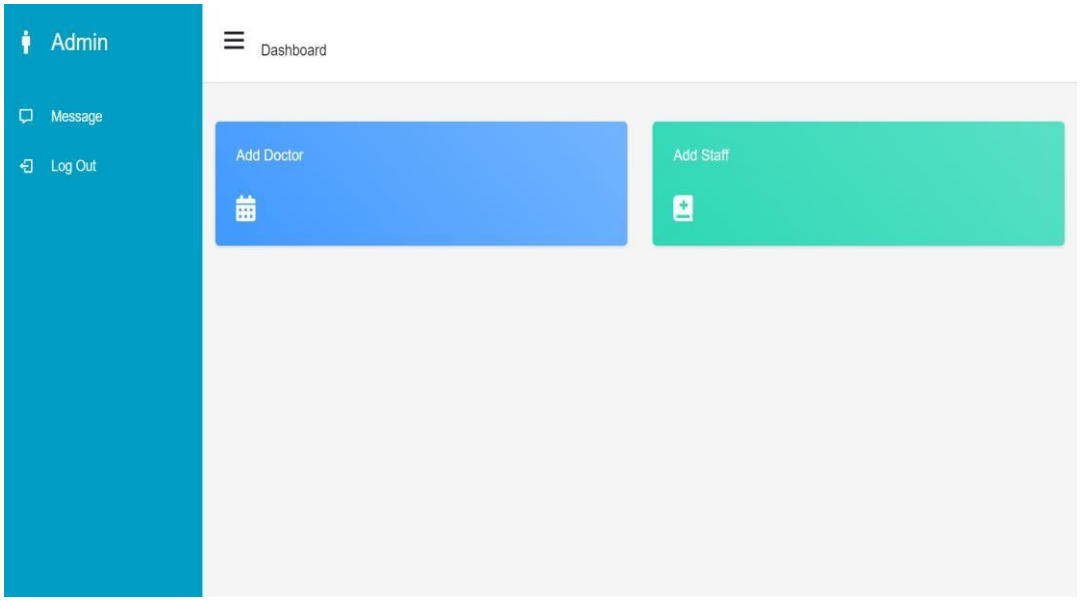

Fig13: admin dashboard

4

.2.3 Add Doctor Details Page

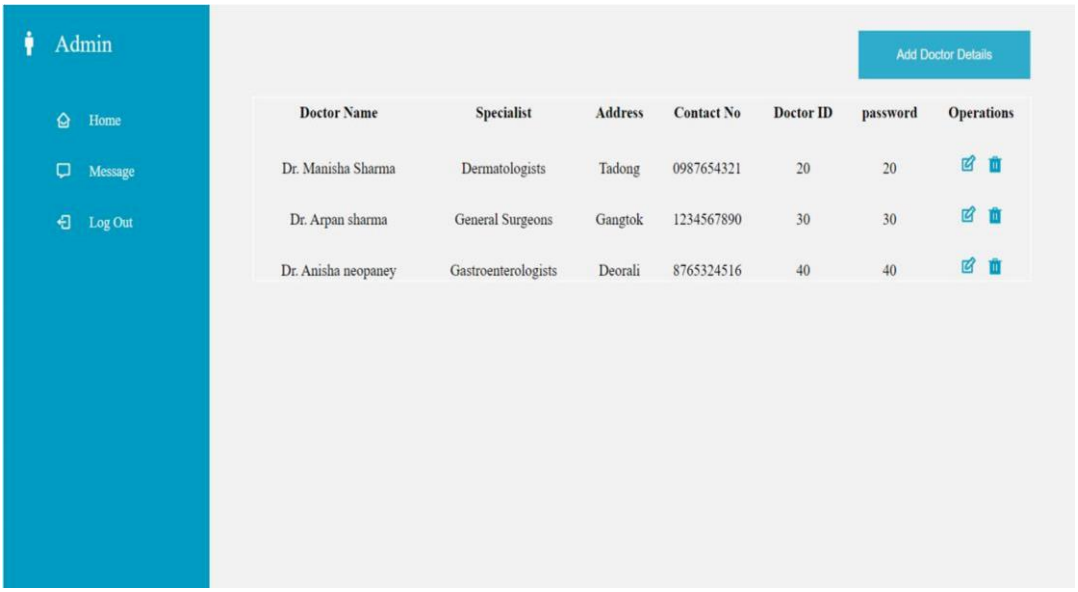

Fig 14: Add Doctor

4.2.4 Add Staff Details Page

Fig 15: Add Staff

.3 Doctor Login Page

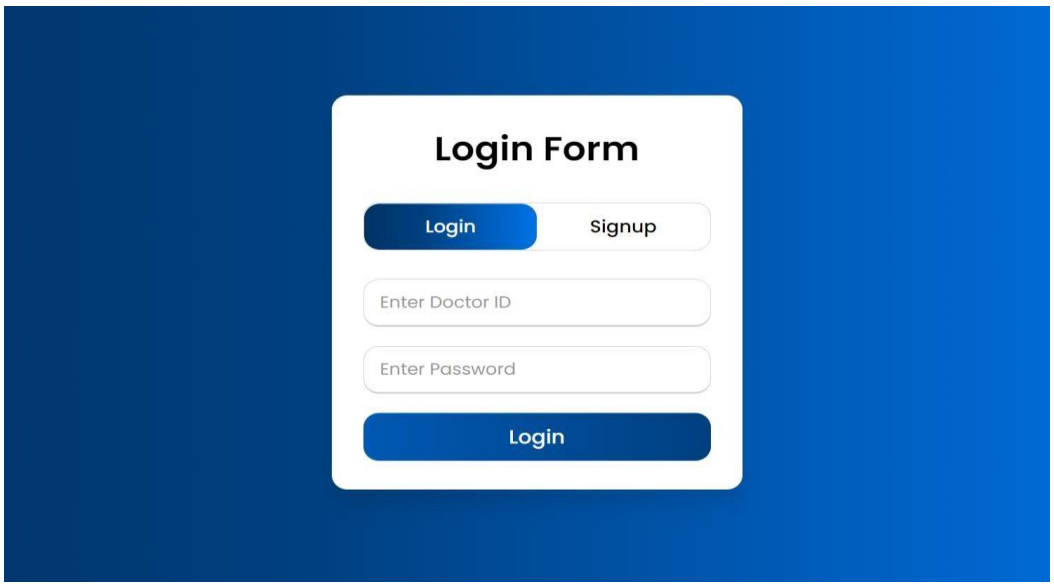

Fig 16: Doctor Login Page

4.3.1 Doctor Dashboard

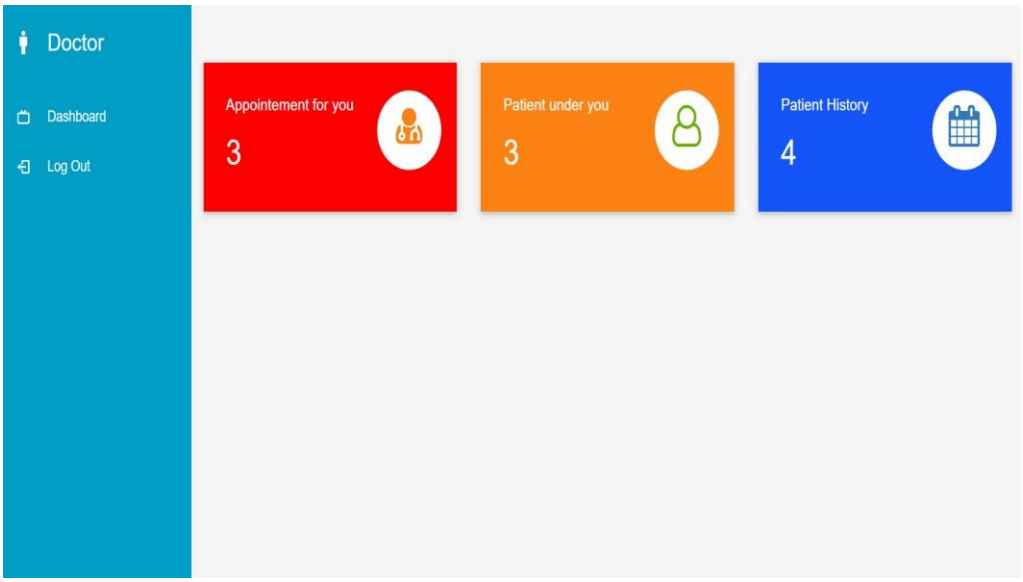

Fig 17: Doctor Dashboard

4.4 Staff Login Page

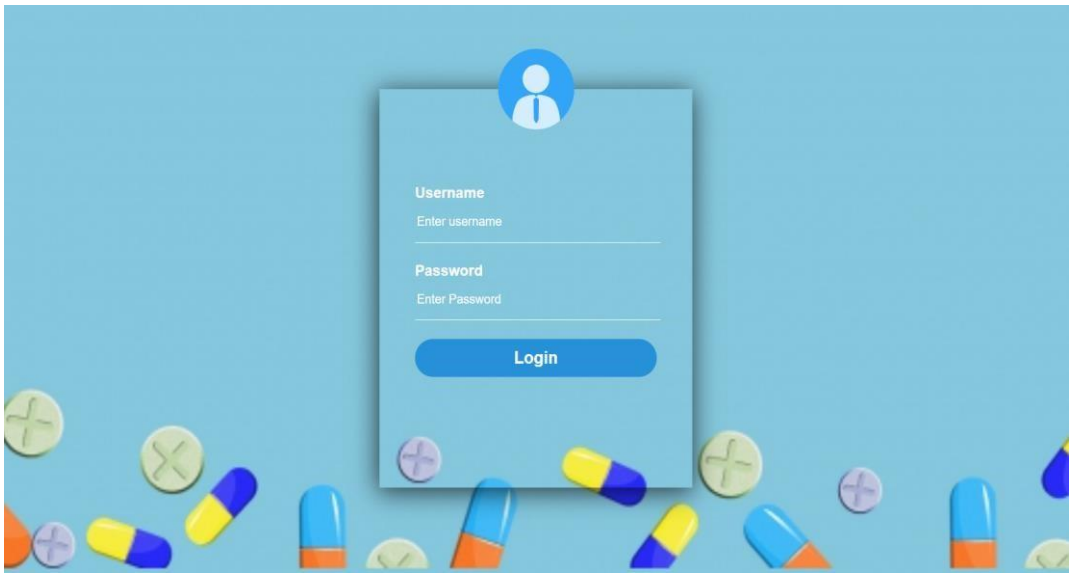

Fig 18: Staff Login Page

4.4.1 Staff Dashboard

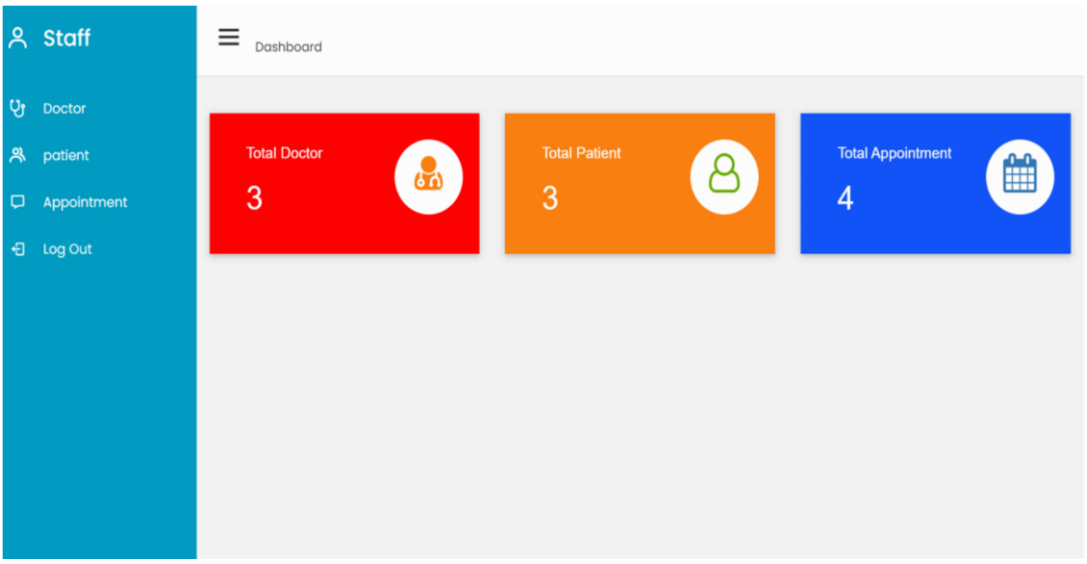

Fig 19: Staff Dashboard

4

4.4.2Doctors List

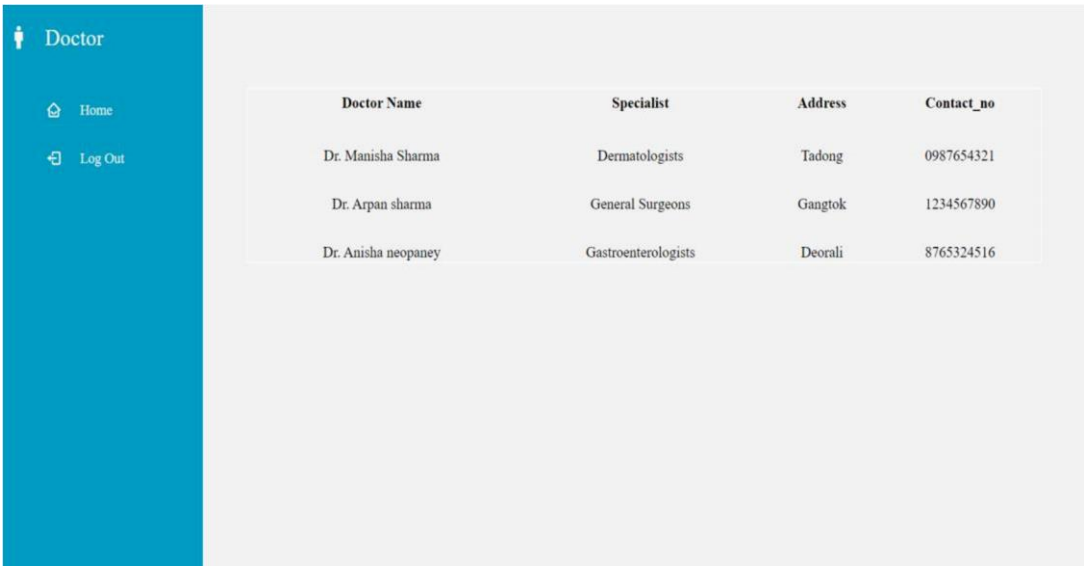

Fig 20: Doctor List

4.4.3 Appointment list

4

Fig 21: Appointment List

4.4.4 Approved Patient List

Fig 22: Approved Patient List

4.4.5 Admit Patient Page

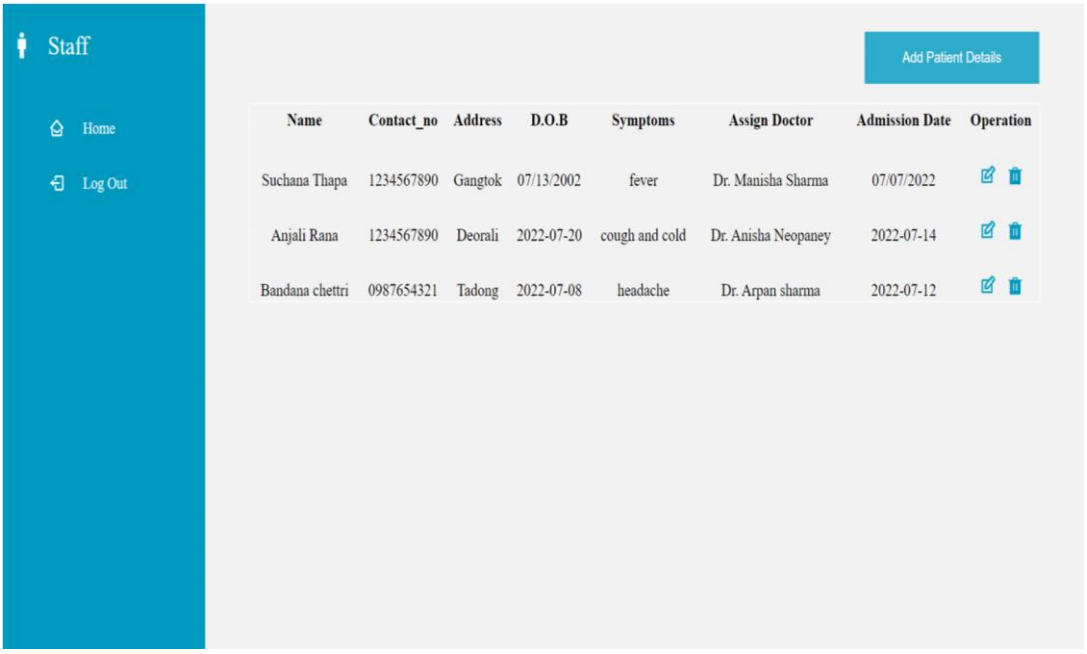

Fig 23: Admit Patient

4.5 Source Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- aos css file cdn link  -->
```

4

```
  <link                                                    rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/aos/2.3.4/aos.css">
   <!-- magnific popup css cdn link  -->
   <link       rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/magnificpopup.js/1.1.0/mag
nific-popup.min.css">
   <!-- bootstrap cdn link  -->
   <link       rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/twitterbootstrap/4.5.3/css/bo
otstrap.min.css">
   <!-- font awesome cdn link  -->
   <link       rel="stylesheet"
        href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/5.15.1/css/all.
min.css">
   <style>
   <!-- custom css file link  -->
  @import
url('https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;
0,400;1,100; 1,300&display=swap');

:root{
  --green:#16a085;
  --black:#354046;
} *{     font-family:  'Roboto',
sans-serif;              margin:0;
```

4

```
padding:0; box-sizing:
border-box; border:none
!important; outline: none
!important; text-decoration:
none !important; text-
transform: capitalize; font-
weight: 400; transition: all .2s
linear;
} *::selection{
background:var(--
black); color:#fff;
} html{ font-size:
62.5%; overflow-
x: hidden;
}

body{ overflow-
x: hidden;
```

4

```
}          section{

overflow:

hidden;

}                    .button{

height:3.5rem;    width:

15rem;

background:var(--

green);          color:#fff;

font-size: 1.7rem;  text-

transform:    capitalize;

border-radius:    .5rem;

cursor:              pointer;

position:  relative;     z-

index:  0;      overflow:

hidden;    margin:1rem

0;

}

.button::before{    content: '';

position:  absolute;     top:  -
```

4

```
100%; left: 0;   height:100%;

width: 100%;    background-

color: var(--black);   z-index:

-1;   transition: .2s linear; }

.button:hover:before{

top: 0%;

}

.button:hover{   box-shadow: .1rem

.5rem var(--green),

            0 .3rem .5rem rgba(0,0,0,.3);

}

.heading{      text-

align:         center;

font-size:     4rem;

padding:1rem;

padding-top:

8rem;   color:var(-

-black);

}
```

4

```
.heading span{     color:var(--
green);
}
header{
width:100%;
position:      fixed;
top:0; left: 0;
  padding:2rem 1rem;    z-
index: 1000;
}
.header-active{          background:#fff;
box-shadow:      0      .1rem      .3rem
rgba(0,0,0,.3);   padding: .5rem 1rem;
}       header       .container{
display: flex;    align-items:
center;          justify-content:
space-between;
}
header a{
color:var(--black);
```

4

```
header a:hover{ color:var(--
green);
} header .container
.logo{ font-size:
3rem;
} header .container .logo
span{ color:var(--green);
} header .nav ul{ margin:0;
padding: 0; display: flex;
align-items: center; justify-
content: space-between;
list-style: none; } header
.nav ul li{ margin: 0 1rem;
} header .nav ul
li a{ font-size:
2rem;
}
```

4

```
header .fa-bars{   font-

size:              3.5rem;

color:var(--green);

cursor:            pointer;

display: none;

}

.home     .content     h1{

font-size:             5rem;

color:var(--black);

}

.home .content h1 span{    color:var(--

green);

}

.home     .content     h3{

font-size:             4rem;

color:var(--black);

}         .Services{

background:#ee

e;

}
```

4

```
.Services.content .box{    margin:3rem 0;
}
.Services    .content    .box    h3{
font-size: 2.5rem;   color:var(--
black);
}
.Services   .content   .box   h3   i{
padding:  0  1rem;    color:var(--
green);
}
.Services   .content   .box   p{
font-size: 1.7rem;  padding-
left:6rem;   color:#666;
}
.facility{       min-
height:       100vh;
font-size:  40px;  }
.mfp-title {    text-
align:         center;
font-size:     20px;
```

4

```
line-height: 20px;

color:      #f3f3f3;

word-wrap:

break-word;

padding-right:

36px;}     .facility

.box-container{

display:        flex;

justify-content:

center;         flex-

wrap:          wrap;

padding-bottom:

3rem;

}

.facility     .box-container

.box{        height:20rem;

width:30rem;

margin:.3rem;

overflow: hidden;

}
```

4

```
.facility .box-container .box

img{ height:100%;

width:100%; object-fit:

cover;

}

.facility .box-container .box:hover img{

transform: scale(1.3);

}


.review .heading{

color:#16a085;

}


.review .box-container{

display: flex; justify-

content: center; flex-

wrap: wrap; padding-

bottom: 5rem;

}
```

4

```
.review     .box-container

.box{

background:#606060;

width:30rem;

margin:5rem          1rem;

padding:1.5rem;

position: relative;

}


.review  .box-container  .box

img{       position:  absolute;

bottom: -7.5rem; left: -1rem;

height:5rem;      width:5rem;

border-radius: 50%;   object-

fit: cover;

}


.review  .box-container  .box  p{

font-size:  1.4rem;      color:var(--

green);
```

4

```
}

.review .box-container .box
h3{ text-align: end;
color:var(--green);
}

.review .box-container .box
span{ text-align: end;
color:var(--green); display:
block; font-size: 1.5rem;
}

.counter .box-container{
display: flex; justify-
content: center; flex-
wrap: wrap;
padding:2rem 0;
}
```

4

```
.counter .box-container

.box{ margin:2rem 5rem;

text-align: center;

}

.counter .box-container

.box i{ color:var(--

green); font-size: 5rem;

}

.counter .box-container .box

span{ color:var(--black);

font-size: 3rem; display:

block; padding:1rem 0;

}

.counter .box-container .box h3{

color:#666;

}


:root{
   --green:#16a085;
   --black:#444;
   --light-color:#777;
```

4

```
   --box-shadow:.5rem .5rem 0 rgba(22, 160, 133, .2);
   --text-shadow:.4rem .4rem 0 rgba(0, 0, 0, .2);
   --border:.2rem solid var(--green);
} *{      font-family: 'Poppins',
sans-serif;                margin:0;
padding:  0;          box-sizing:
border-box;       outline: none;
border: none;    text-transform:
capitalize;     transition: all .2s
ease-out;         text-decoration:
none;
}  html{          font-size:
62.5%;         overflow-x:
hidden;               scroll-
padding-top:         7rem;
scroll-behavior: smooth;
}          section{
padding:2rem
9%;
```

4

```
}              section:nth-
child(even){
background: #f5f5f5;
}
.heading{   text-align: center;
padding-bottom: 2rem;  text-
shadow:  var(--text-shadow);
text-transform:     uppercase;
color:var(--black);  font-size:
5rem;  letter-spacing: .4rem;
}
.heading   span{       text-
transform:       uppercase;
color:var(--green);
}
.about         .row{
display:       flex;
align-items:
center;         flex-
```

4

```
wrap:          wrap;

gap:2rem;

}

.about   .row   .image{

flex:1 1 45rem;

}

.about  .row  .image  img{

width: 100%;

}

.about   .row   .content{

flex:1 1 45rem;

}

.about   .row   .content   h3{

color:  var(--black);      text-

shadow:  var(--text-shadow);

font-size: 4rem;  line-height:

1.8; }

.about .row .content p{

color:          var(--light-

color);    padding:1rem
```

```
4
0;    font-size:  1.5rem;
line-height: 1.8;
}
.footer .box-container{  display: grid;  grid-template-
columns:  repeat(auto-fit,  minmax(22rem,  1fr));
gap:2rem;
}
.footer .box-container .box
h3{     font-size:  2.5rem;
color:var(--black);
padding: 1rem 0;
}
.footer      .box-container
.box  a{   display:  block;
font-size:           1.5rem;
color:var(--light-color);
padding: 1rem 0;
}
```

4

```
.footer .box-container .box a i{
padding-right: .5rem; color:var(--
green);
}
.footer .box-container .box a:hover i{
padding-right:2rem;
}
.footer .credit{ padding: 1rem;
padding-top: 1rem; margin-top:
2rem; text-align: center; font-size:
2rem; color:var(--light-color);
border-top: .1rem solid rgba(0, 0, 0,
.1);
}
.footer .credit span{ color:var(--
green);
} header .fa-times{
transform:
rotate(180deg);
}
```

4

```
/* media queries */

@media (max-

width:768px){

 html{ font-

size: 55%;

 }

 header .fa-bars{

display: block;

 }

 header .nav{ position: fixed; top:-

100rem; left:50%; transform:

translate(-50%, -50%); box-shadow:

0 0 0 100vh rgba(0,0,0,.3); border-

radius: .5rem; border:.3rem solid

var(--blue) !important;

background:#fff; width: 95%;

opacity: 0;

 }

 header .nav ul{

width: 100%; flex-
```

4

```
flow:          column;

padding:2rem 0;

  }

  header  .nav  ul  li{

width:  100%;     text-

align:              center;

margin:1rem 0;

  }

  header  .nav  ul  li  a{

font-size:          3rem;

display: block;

  }

 header         .nav-

toggle{

top:50%;

opacity: 1;

  }

  .contact form .inputBox input, select{

width: 100%;

  }
```

4

```
 .contact      form      input[type="submit"]{

width:100%;

 }

}

</style>

</head>

<body>

<!-- header section starts  -->

<header>

<div class="container">

<a     href="#"     class="logo"><span>H</span>ealth<span>C</span>are.</a>

<nav class="nav">

    <ul>

    <li><a href="#home">home</a></li>

 <li><a href="#Services">Services</a></li>

 <li><a href="#facility">Doctors</a></li>

 <li><a href="#about">About Us</a></li>

  <li><a href="#feedback">Feedback</a></li>

  <li><a href="#review">Review</a></li>

  <li><a href="login.php">Book</a></li>

  </ul>

 </nav>

 <div class="fas fa-bars"></div>
```

4

```
</div>
</header>
<!-- header section ends  -->
<!-- home section starts  -->
<section class="home" id="home">
<div class="container">
<div class="row min-vh-100 align-items-center text-center text-md-left">
 <div class="col-md-6 pr-md-5" data-aos="zoom-in">
 <img src="images/home-img.svg" width="100%" alt="">
 </div>
<div class="col-md-6 pl-md-5 content" data-aos="fade-left">
<h1><span>stay</span> safe, <span>stay</span> healthy. </h1>
 <a href="contact.php"><button class="button">Contact Us</button></a>
</div>
 </div>
</div>
</section>
<!-- home section ends -->
<!-- Services section start  -->
<section
class="Services          "
id="Services">
<div class="container">
```

4

```
 <div class="row min-vh-100 align-items-center">

 <div class="col-md-6 content" data-aos="fade-right">

 <div class="box">

 <h3> <i class="fas fa-ambulance"></i> Ambulance Services </h3>

 <p>An ambulance is a medically equipped vehicle which transports patients to treatment facilities, such as hospitals.</p>

 </div>

<div class="box">

<h3> <i class="fas fa-procedures"></i> Emergency Rooms </h3>

<p>Emergency services are organizations which ensure public safety and health by addressing different emergencies.</p>
  </div>

<div class="box">

<h3> <i class="fas fa-stethoscope"></i> Free check-ups </h3

<p>A free medical check-up is a periodicalset of medical tests that you can take in designated health centres.</p>

</div>

</div>

<div class="col-md-6 d-none d-md-block" data-aos="fade-left">

<img src="" width="100%" alt="">

</div>

</div>

</section>

<section class="facility" id="facility">
```

4

```
<div class="container">
<h1 class="heading"><span>'</span> Our Doctors<span>'</span></h1>
<div class="box-container">
<div class="box" data-aos="zoom-in">
 <ahref="images/doc-1.jpg" title="Dr.Bandana Chettri<br>General
Surgeons<br>2345643234">
 <img src="images/doc-1.jpg" alt="">
 </a>
 </div>
 <div class="box" data-aos="zoom-in">
  <a     href="images/doc-2.jpg"                                  title="Dr.Adarash
 Khati<br>Dermatologists<br>3456789098">
 <img src="images/doc-2.jpg" alt="">
 </a>
 </div>
 <div class="box" data-aos="zoom-in">
  <a     href="images/doc-3.jpg"                                   title="Dr.Binod
 Sharma<br>Ophthalmologists<br>9876789876">
  <img          src="images/doc-3.jpg"
 alt="">
  </a>
  </div>
```

4

```
 <div  class="box"  data-aos="zoom-
in">

 <a  href="images/doc-4.jpg"  title="Dr.Arpan  Neopaney<br>General
Surgeons<br>6754321345">

 <img  src="images/doc-4.jpg"
alt="">

 </a>

</div>

 <div  class="box"  data-aos="zoom-
in">

 <a  href="images/doc-5.jpg"  title="Dr.Sanju
Sharma<br>Dermatologists<br>65743256798">

<img src="images/doc-5.jpg" alt="">

</a>

</div>

<div class="box" data-aos="zoom-in">

<a href="images/doc-6.jpg" title="Dr.Promad Sharma<br>General

Surgeons<br>0987654345">

 <img src="images/doc-6.jpg" alt="">

 </a>

 </div>

</div>
```

4

```
</div>
</section>
<!-- Doctors section ends -->
<!-- counter section starts  --><section class="counter">
<div class="container">
 <div class="box-container">
 <div class="box" data-aos="fade-up">
  <i class="fas fa-hospital"></i>
  <span>12+</span>
  <h3>Hospitals</h3>
   </div>
   <div class="box" data-aos="fade-up">
   <i class="fas fa-users"></i>
    <span>50+</span>
    <h3>staff</h3>
     </div>
 </div>
 <div class="box" data-aos="fade-up">
<i class="fas fa-procedures"></i>
  <span>1o+</span>
  <h3>Services</h3>
  </div>
  </div>
  </div>
```

4

```
</section>

<!-- counter section ends -->

<!--about start here-->

<section class="about" id="about">

 <h1 class="heading"> <span>about</span> us </h1>

 <div class="row">

 <div class="image">

 <img src="about-img.svg" alt="">

 </div>

 <div class="content">

 <h3>we take care of your healthy life</h3>

 <p>Health care or healthcare is the improvement of health via the prevention, diagnosis, treatment, amelioration, or cure of disease, illness, injury, and other physical and mental impairments in people.</p>

<p>Health care is delivered by health professionals and allied health fields.</p>

<a href="#" class="btn"> learn more <span class="fas fa-chevron-right"></span> </a> </div>

</div>

</section>

<!--about end here-->

<!-- feedback section starts  -->

<section class="feedback" id="feedback">
```

4

```
<div class="container min-vh-100">
<div class="row justify-content-center">
<h1 class="heading"><span>'Feedback'</span></h1>
<div class="col-md-10" data-aos="flip-down">
<form action="c.php" method="POST">
 <div class="inputBox">
 <input type="text" name="name" placeholder="full name">
 <input type="number"  name="number" placeholder="phone">
 </div>
<textarea cols="30" rows="10" name="message" placeholder="message ( optional )"></textarea>
<input type="submit" name="submit" value="submit feedback" class="button">
</form>
</div>
</div>
 </div>
</section>
<!--feedback end here-->
<!-- review section starts  -->
<section class="review" id="review">
<div class="container">
<h1 class="heading"><span>'</span> people's review <span>'</span></h1>
<div class="box-container">
```

4

```
<div class="box" data-aos="fade-right">

<p>I really appreciated for your immediate Response. It helped me so much.</p>

<h3>Diksha Panday</h3>

<span>jan 5, 2021</span>

<img src="images/doc-5.jpg" alt="">

 </div>

 <div class="box" data-aos="fade-up">

<p>You really went above and beyond to solve my complex issue at time. i really Appreciate it.</p>

<h3>Badal Thapa</h3>

<span>jan 7, 2021</span>

<img src="images/doc-2.jpg" alt="">

 </div>

 <div class="box" data-aos="fade-left">

<p>You did a great job managing the conflict that came up during the meeting yesterday afternoon.</p>

<h3>Chetan Sharma</h3>

<span>jan 10, 2021</span

<img src="images/doc-6.jpg" alt="">

</div>
</div>

</div>

</section>
```

4

```
 <!--contact section ends -->
<!--footer start-->
<section class="footer">
<div class="box-container">
 <div class="box">
<h3>quick links</h3>
<a href="#home"> <i class="fas fa-chevron-right"></i> home </a>
<a href="#Services"> <i class="fas fa-chevron-right"></i>Services</a>
 <a href="#facility"> <i class="fas fa-chevron-right"></i>Doctors</a>
 <a href="#about"> <i class="fas fa-chevron-right"></i>About Us </a>
 </div>
 <div class="box">
 <h3>quick links</h3>
 <a href="#feedback"> <i class="fas fa-chevron-right"></i>Feedback</a>
  <a href="#review"> <i class="fas fa-chevron-right"></i>Review</a>
  <a href="login.php"> <i class="fas fa-chevron-right"></i>Book</a>
  </div>
  <div class="box">
  <h3>contact info</h3>
   <a href="#"> <i class="fas fa-phone"></i> +111-222-3333 </a>
   <a href="#"> <i class="fas fa-envelope"></i> anishaneopaney10gmail.com
</a>
   <a href="#"> <i class="fas fa-map-marker-alt"></i> gangtoks, india - 400104
</a>
```

4

```
  </div>
  <div class="box">
   <h3>follow us</h3>
  <a href="#"> <i class="fab fa-facebook-f"></i> facebook </a>
  <a href="#"> <i class="fab fa-twitter"></i> twitter </a>
  <a href="#"> <i class="fab fa-instagram"></i> instagram </a>
  <a href="#"> <i class="fab fa-linkedin"></i> linkedin </a>
  </div>
  </div>
   <div class="credit"> created By: Anisha Neopaney| developed in association with
Sikharthy Infotech Private Limited  </div>
</section>
<!-- jquery cdn link  -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<!-- magnific popup js link  -->
<scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/magnific-popup.js/1.1.0/jquery.magnificpopup.min.js"></script>
<!-- aos js file cdn link  -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/aos/2.3.4/aos.js"></script>
<!-- custom js link  -->
<script src="js/main.js"></script>
```

4

```
<script>
AOS.init({

duration:1000,

delay:400

});
</script>
<script>
 $(document).ready(function(){
$('.fa-bars').click(function(){
$(this).toggleClass('fa-times');
$('.nav').toggleClass('nav-toggle');
  });
  $(window).on('load scroll',function(){
  $('.fa-bars').removeClass('fa-times');
$('.nav').removeClass('nav-toggle');
if($(window).scrollTop() > 10){
 $('header').addClass('header-active');
 }else{
$('header').removeClass('header-active');
  }
  });
```

```
$('.facility').magnificPopu
p({                delegate:'a',
type:'image',
   gallery:{
enabled:true
   }
 });
});
</script>
</body>
</html>
```

4.6 Conclusion

I have successfully designed and developed webpage, which is demonstrated in the way so that all the patients can make their appointment after that staff will align it and make for n appointment patient according to doctor schedule. The system was implemented using webbased technologies which include CSS, JS, Bootstrap, HTML, MySQL and PHP.

The project can be entered using a username and password. Where User can search various services available, Book appointment, view doctor details and Doctor can view their appointments and patient detail using their id. It is accessible either by an admin or staff. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. Hospital

4

Management System is Powerful, Flexible and easy to use and is designed and developed to deliver real conceivable benefits to hospitals, clinics tec.

4.6 Future Scope

Some of the Future Scope are – ✦ Real Time Notification

✦ UI for Payment Method

✦ Users can signup / login using their social media account.

In future the web application will have all these features which are not available now.

CHAPTER 5

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4