**MINI PROJECT REPORT ON**

**HOSPITAL MANAGEMENT SYSTEM**

**T. E. Computer Engineering** Under the guidance of

**Mrs Pradnya Rane**

By

**Nithin Menezes 58**

**Subhashkumar 63**



Department of Computer Engineering

St. Francis Institute of Technology

(Engineering College) University of Mumbai

2020-2021

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# INTRODUCTION

## Project objective:

The objective of this project is to create a hospital management database that stores details about the different patients, doctors, booking appointment, bed allotment, admin and also manages the payment of the hospital. First the User has to login as a user or the admin. The admin can change all the details related to the hospital i.e. the admin has the power to add different patients. The passenger can book appointment of the respective doctors of their choice. Before booking a appointment, the user has to enter their personal details such as their mobile no., name, address, date of birth etc. After filling up their personal details they can proceed to book a appointment. Later after completing the appointment user will get all the details related to their appointment and doctor.

The software has been developed using the most powerful and secured backend MySQL and PHP is used for processing the data.The Designing of this Website is done with the help of HTML,CSS and Javascript.

## Features of the system

This system will be performing the following tasks:

(a) The system will provide an interface to login and register to the user and admin.

(b) User can check the availability of bed allotment.

(c) User can book appointment of any doctor of his choice.

(d) User can Make Payments for their checkups.

(e) User can also cancel their appointment.

# PROBLEM STATEMENT

The hospital management database stores details about the different user ,admin, appointment bookings doctors and also manages payment of the hospital. The admin can change details of doctors appointments bills. The admin has power to change details of appointment doctors etc. The passengers can book appointment of their choice of doctors. . Before booking a appointment, the passenger has to enter their personal details such as their mobile no., name, address, date of birth etc. After filing up their personal details they can proceed to book a appointment. Later after completing the booking of appointment process the passenger will get all the details related to appointment and doctors.

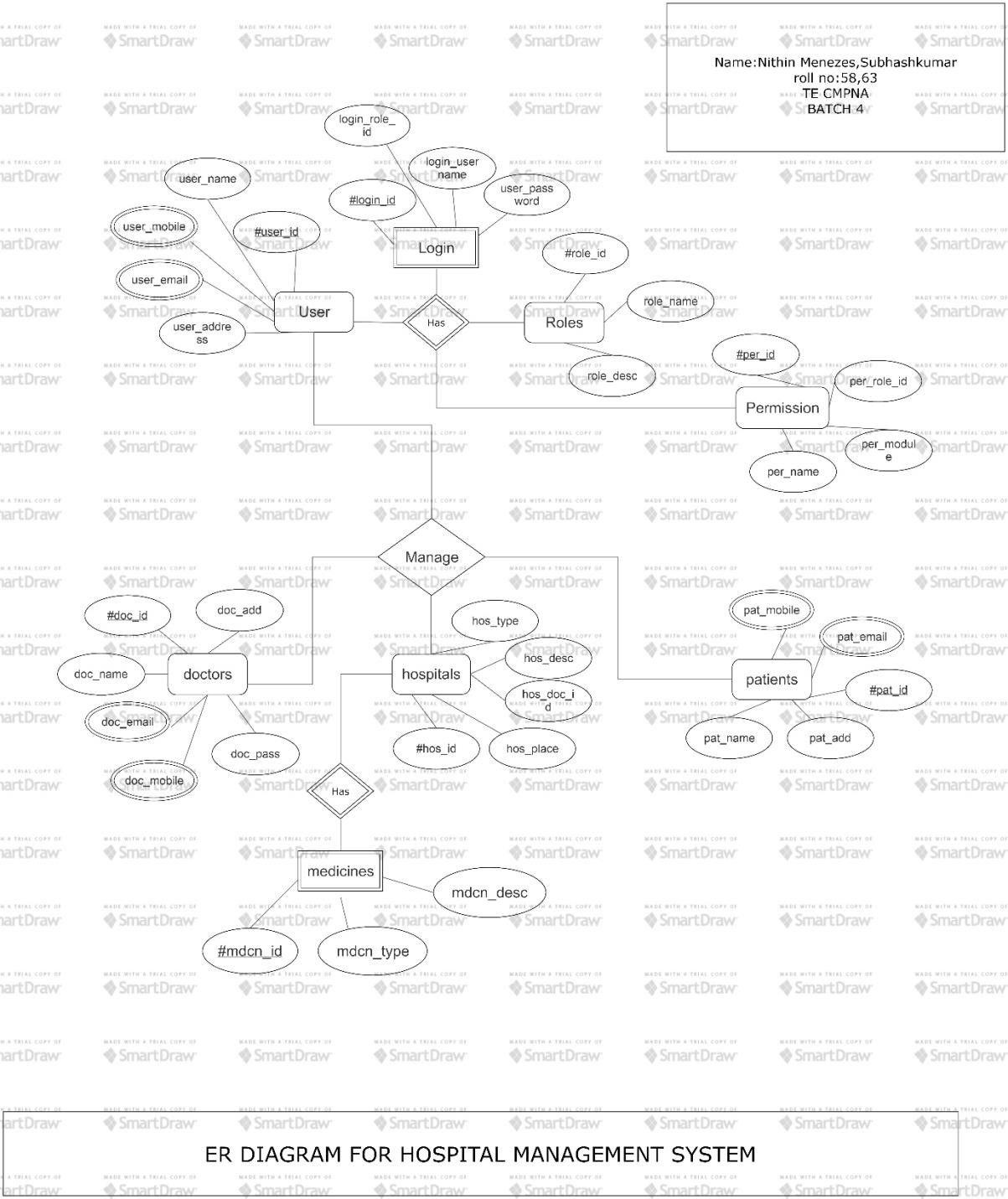
This ER(Entity Relationship) Diagram represents the model of Hospital Management System Entity. The Entity Relationship diagram shows all visual instrument of database tables and the relations between Patients, Nurses, Hospitals ,Medicines etc. The main entities of the Hospital Management System are Hospitals, Patient, Doctors, Appointments and Medicines.

First the person will login by his/her login\_id, login\_role\_id, login\_username, etc.If the person does not have a login\_id,they can create a user\_id, all such options come under user entity, so the Login is a weak entity. The user has their Roles and permission because of which they come into picture. Now all this come under appointment of the person which is directly binded to the Manage relationship along with the hospital entity which will contain the hospital details. The doctors entity consist of details of the doctor including attributes like their id no, name, email id,pass and also their mobile no. The medicine entity is a weak entity connected to the weak realationship under the hospital entity because it will depend upon the person whether he wants to order the medicines so that we can keep a stock of that. The patient entity will come under the manage relationship where the patient can fill the mobile no., email id, name, address, etc.

The Multivalued attributes are given for email id and phone no. because a single person can have more than one email id or phone no. For user id, login id etc primary key is necessary to select only one key as a unique identifier of an entity.

**The above Problem Statement can be represented by the following ER diagram:**

**ER DIAGRAM**



# SYSTEM REQUIREMENT SPECIFICATIONS

Software requirement specification abbreviated as SRS is a means of translating the idea of files into a formal document. The main features of SRS include: ⮚ Establishing the basis for an agreement between the client and the developer. ⮚ Producing a reference for validation of the final product. SRS assist clients in determining if the software meets the requirements.

Mainly there are six requirements which an SRS must satisfy.

(a) It should specify the external behaviour.

(b) It should specify the constraints.

(c) It should be easy to change.

(d) It should be a reference tool.

(e) It should record throughout the lifecycle.

(f) It should have the capacity of expectation of an undesired event.

Usually we come across three types of requirement specification

(a) Software Requirements

(b) User Interface Requirements

(c) Database Requirements

## ❖ Software Requirements

Technically the system will run on any OS having Web Browser.

(a) Development Tools: Front End: HTML , CSS,JAVASCRIPT Back End : PHP,MySQL

(b) Operating System: Windows 10

(c) Web server: XAMPP

## ❖ User Interface Requirements

The user of the proposed system requires that the developed software should be user friendly, have security access, and ensure the privacy of the administrator and produce results in timely manner. The users are not frequently exposed to the mail system, so the system interface to the user must be simple and understandable. The web pages must be user-friendly and must be in an easy-to-use style. The user must be able to easily switch among various I/O screens. The product is well designed so that it can be used easily by the users who are novices to the system.

The user interface should be as interactive as possible. A user- friendly interface must be provided so that the user can easily interact with the system and comprehend things in a quicker and easier way. The system must provide reliable and up-to-date information.

The application should be efficient so that the user does not spend much time in searching. Consistency will increase the confidence of the user in the reliability of the application. The user must be limited with a small set of operations to achieve the result. The application should be visually and conceptually clear. .

## ❖ Database Requirements

The database should be designed in such a way that it enhances the

efficient searching , reservation and manipulation of all the information associated. For instance all general information regarding an item attribute should be stored in a particular table. The database should be organized in such a way that it helps in searching and reserving various essential summaries needed for users.

# IMPLEMENTATION

## Database Connectivity

Database Connectivity

A Database connection is a facility in computer science that allows client software to talk to database server software, whether on the same machine or not. A connection is required to send commands and receive answers, usually in the form of a result set. Connections are a key concept in data-centric programming. Since some DBMS engines require considerable time to connect, connection pooling was invented to improve performance. No command can be performed against a database without an "open and available" connection to it.

**Connecting to database**

<?php

// Create connection

$con=mysqli\_connect("localhost","root","","onlinehospitalmanagementsystem");

// Check connection

if (mysqli\_connect\_errno($con))

{

echo "Failed to connect to MySQL: ". mysqli\_connect\_error();

}

?>

Login

<?php

session\_start();

include("header.php");

include("dbconnection.php");

if(isset($\_SESSION[adminid]))

{

echo "<script>window.location='adminaccount.php';</script>";

}

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

{

$sql = "SELECT \* FROM admin WHERE loginid='$\_POST[loginid]' AND password='$\_POST[password]' AND status='Active'";

$qsql = mysqli\_query($con,$sql);

if(mysqli\_num\_rows($qsql) == 1)

{

$rslogin = mysqli\_fetch\_array($qsql);

$\_SESSION[adminid]= $rslogin[adminid] ;

echo "<script>window.location='adminaccount.php';</script>";

}

else

{

echo "<script>alert('Invalid login id and password entered..'); </script>";

}

}

?>

<div class="wrapper col2">

<div id="breadcrumb">

<ul>

<li class="first">Admin Login Panel</li></ul>

</div>

</div>

<div class="wrapper col4">

<div id="container">

<h1>Kindly enter Login ID and Password</h1>

<form method="post" action="" name="frmadminlogin" onSubmit="return validateform()">

<table width="200" border="3">

<tbody>

<tr>

<td width="34%">Login ID</td>

<td width="66%"><input type="text" name="loginid" id="loginid" /></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password" id="password" /></td>

</tr>

<tr>

<td height="36" colspan="2" align="center"><input type="submit" name="submit" id="submit" value="Login" /></td>

</tr>

</tbody>

</table>

</form>

<p>&nbsp;</p>

</div>

</div>

</div>

<div class="clear"></div>

</div>

</div>

<?php

include("footer.php");

?>

<script type="application/javascript">

var alphaExp = /^[a-zA-Z]+$/; //Variable to validate only alphabets

var alphaspaceExp = /^[a-zA-Z\s]+$/; //Variable to validate only alphabets and space

var numericExpression = /^[0-9]+$/; //Variable to validate only numbers

var alphanumericExp = /^[0-9a-zA-Z]+$/; //Variable to validate numbers and alphabets

var emailExp = /^[\w\-\.\+]+\@[a-zA-Z0-9\.\-]+\.[a-zA-z0-9]{2,4}$/; //Variable to validate Email ID

function validateform()

{

if(document.frmadminlogin.loginid.value == "")

{

alert("Login ID should not be empty..");

document.frmadminlogin.loginid.focus();

return false;

}

else if(!document.frmadminlogin.loginid.value.match(alphanumericExp))

{

alert("Login ID not valid..");

document.frmadminlogin.loginid.focus();

return false;

}

else if(document.frmadminlogin.password.value == "")

{

alert("Password should not be empty..");

document.frmadminlogin.password.focus();

return false;

}

else if(document.frmadminlogin.password.value.length < 8)

{

alert("Password length should be more than 8 characters...");

document.frmadminlogin.password.focus();

return false;

}

else

{

return true;

}

}

</script>

logout

<?php

session\_start();

session\_destroy();

echo "<script>window.location='index.php';</script>";

?>

Appointment details

<?php

session\_start();

include("dbconnection.php");

if(isset($\_POST[submitapp]))

{

$sql ="INSERT INTO appointment(appointmenttype,roomid,departmentid,appointmentdate,appointmenttime,doctorid) values('$\_POST[select]','$\_POST[select2]','$\_POST[select3]','$\_POST[date]','$\_POST[time]','$\_POST[select5]')";

if($qsql = mysqli\_query($con,$sql))

{

echo "<script>alert('appointment record inserted successfully...');</script>";

}

else

{

echo mysqli\_error($con);

}

}

if(isset($\_GET[editid]))

{

$sql="SELECT \* FROM appointment WHERE appointmentid='$\_GET[editid]' ";

$qsql = mysqli\_query($con,$sql);

$rsedit = mysqli\_fetch\_array($qsql);

}

$sqlappointment1 = "SELECT max(appointmentid) FROM appointment where patientid='$\_GET[patientid]' AND (status='Active' OR status='Approved')";

$qsqlappointment1 = mysqli\_query($con,$sqlappointment1);

$rsappointment1=mysqli\_fetch\_array($qsqlappointment1);

$sqlappointment = "SELECT \* FROM appointment where appointmentid='$rsappointment1[0]'";

$qsqlappointment = mysqli\_query($con,$sqlappointment);

$rsappointment=mysqli\_fetch\_array($qsqlappointment);

if(mysqli\_num\_rows($qsqlappointment) == 0)

{

echo "<center><h2>No Appointment records found..</h2></center>";

}

else

{

$sqlappointment = "SELECT \* FROM appointment where appointmentid='$rsappointment1[0]'";

$qsqlappointment = mysqli\_query($con,$sqlappointment);

$rsappointment=mysqli\_fetch\_array($qsqlappointment);

$sqlroom = "SELECT \* FROM room where roomid='$rsappointment[roomid]' ";

$qsqlroom = mysqli\_query($con,$sqlroom);

$rsroom =mysqli\_fetch\_array($qsqlroom);

$sqldepartment = "SELECT \* FROM department where departmentid='$rsappointment[departmentid]'";

$qsqldepartment = mysqli\_query($con,$sqldepartment);

$rsdepartment =mysqli\_fetch\_array($qsqldepartment);

$sqldoctor = "SELECT \* FROM doctor where doctorid='$rsappointment[doctorid]'";

$qsqldoctor = mysqli\_query($con,$sqldoctor);

$rsdoctor =mysqli\_fetch\_array($qsqldoctor);

?>

<table width="464" border="1">

<tr>

<td>Appointment No.</td>

<td>&nbsp;<?php echo $\_GET[appointmentid]; ?></td>

</tr>

<tr>

<td>Department</td>

<td>&nbsp;<?php echo $rsdepartment[departmentname]; ?></td>

</tr>

<tr>

<td>Doctor</td>

<td>&nbsp;<?php echo $rsdoctor[doctorname]; ?></td>

</tr>

<tr>

<td>Appointment Date</td>

<td>&nbsp;<?php echo date("d-M-Y",strtotime($rsappointment[appointmentdate])); ?></td>

</tr>

<tr>

<td>Appointment Time</td>

<td>&nbsp;<?php echo date("h:i A",strtotime($rsappointment[appointmenttime])); ?></td>

</tr>

</table>

<?php

}

?>

<script type="application/javascript">

function validateform()

{

if(document.frmappntdetail.select.value == "")

{

alert("Appointment type should not be empty..");

document.frmappntdetail.select.focus();

return false;

}

else if(document.frmappntdetail.select2.value == "")

{

alert("Room type should not be empty..");

document.frmappntdetail.select2.focus();

return false;

}

else if(document.frmappntdetail.select3.value == "")

{

alert("Department name should not be empty..");

document.frmappntdetail.select3.focus();

return false;

}

else if(document.frmappntdetail.date.value == "")

{

alert("Appointment date should not be empty..");

document.frmappntdetail.date.focus();

return false;

}

else if(document.frmappntdetail.time.value == "")

{

alert("Appointment time should not be empty..");

document.frmappntdetail.time.focus();

return false;

}

else if(document.frmappntdetail.select5.value == "")

{

alert("Doctor name should not be empty..");

document.frmappntdetail.select5.focus();

return false;

}

else

{

return true;

}

}

</script>

Payment

<?php

session\_start();

include("header.php");

include("dbconnection.php");

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

{

$sql ="INSERT INTO payment(patientid,appointmentid,paiddate,paidtime,paidamount,status) values('$\_GET[patientid]','$\_GET[appointmentid]','$\_POST[date]','$\_POST[time]','$\_POST[paidamount]','Active')";

if($qsql = mysqli\_query($con,$sql))

{

echo "<script>alert('payment record inserted successfully...');</script>";

}

else

{

echo mysqli\_error($con);

}

if($\_POST[discountamount] != '0')

{

$sql ="UPDATE billing SET discount=$\_POST[discountamount]+ discount, discountreason=CONCAT('$\_POST[discountreason] , ', discountreason) WHERE appointmentid='$\_GET[appointmentid]'";

$qsql = mysqli\_query($con,$sql);

echo mysqli\_error($con);

}

}

if(isset($\_SESSION[patientid]))

{

$sql="SELECT \* FROM payment WHERE paymentid='$\_GET[editid]' ";

$qsql = mysqli\_query($con,$sql);

$rsedit = mysqli\_fetch\_array($qsql);

}

$billappointmentid = $\_GET[appointmentid];

?>

<div class="wrapper col2">

<div id="breadcrumb">

<ul>

<li class="first">Payment Detail</li></ul>

</div>

</div>

<div class="wrapper col4">

<div id="container">

<form method="post" action="" name="frmpatprfl" onSubmit="return validateform()">

<table width="515" border="3">

<thead>

<tr>

<th colspan="2">&nbsp;Add payment details.. </th>

</tr>

</thead>

<tbody>

<tr>

<td width="34%">Paid Date</td>

<td width="66%"><input type="date" value="<?php echo date("Y-m-d"); ?>" name="date" id="date"></td>

</tr>

<tr>

<td>Paid Time</td>

<td><input type="text" readonly="readonly" value="<?php echo date("H:i:s"); ?>" name="time" id="time"></td>

</tr>

<tr>

<td>Paid Amount</td>

<td><input name="paidamount" type="text" id="paidamount" value="0"></td>

</tr>

<tr>

<td colspan="2" align="center"><input type="submit" name="submit" id="submit" value="Submit" /></td>

</tr>

</tbody>

</table>

<p>&nbsp;</p>

</form>

<?php

include("viewpaymentreport.php");

?>

<table width="342" border="3">

<thead>

<tr>

<td colspan="2" align="center"><a href='patientreport.php?patientid=<?php echo $\_GET[patientid]; ?>'><strong>View Patient Report>></strong></a></td>

</tr>

</thead>

</table>

<p>&nbsp;</p>

</div>

</div>

<div class="clear"></div>

</div>

</div>

<?php

include("footer.php");

?>

Patient treatment record

<?php

session\_start();

include("header.php");

include("dbconnection.php");

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

{

$filename = rand(). $\_FILES[uploads][name];

move\_uploaded\_file($\_FILES["uploads"]["tmp\_name"],"treatmentfiles/".$filename);

if(isset($\_GET[editid]))

{

$sql ="UPDATE treatment\_records SET appointmentid='$\_POST[select2]',treatmentid='$\_POST[select4]',patientid='$\_POST[patientid]',doctorid='$\_POST[select5]',treatment\_description='$\_POST[textarea]',uploads='$filename',treatment\_date='$\_POST[treatmentdate]',treatment\_time='$\_POST[treatmenttime]',status='Active' WHERE appointmentid='$\_GET[editid]'";

if($qsql = mysqli\_query($con,$sql))

{

echo "<script>alert('treatment record updated successfully...');</script>";

}

else

{

echo mysqli\_error($con);

}

}

else

{

$sql ="INSERT INTO treatment\_records(appointmentid,treatmentid,patientid,doctorid,treatment\_description,uploads,treatment\_date,treatment\_time,status) values('$\_POST[select2]','$\_POST[select4]','$\_POST[patientid]','$\_POST[select5]','$\_POST[textarea]','$filename','$\_POST[treatmentdate]','$\_POST[treatmenttime]','Active')";

$qsql = mysqli\_query($con,$sql);

echo mysqli\_error($con);

if(mysqli\_affected\_rows($con)>=1)

{

echo "<script>alert('Treatment record inserted successfully...');</script>";

}

$doctorid= $\_POST[select5];

$billtype = "Doctor Charge";

$treatmentid= $\_POST[select4];

$billtype1="Treatment Cost";

include("insertbillingrecord.php");

}

}

if(isset($\_GET[editid]))

{

$sql="SELECT \* FROM treatment\_records WHERE appointmentid='$\_GET[editid]' ";

$qsql = mysqli\_query($con,$sql);

$rsedit = mysqli\_fetch\_array($qsql);

}

if(isset($\_GET[delid]))

{

$sql ="DELETE FROM treatment\_records WHERE appointmentid='$\_GET[delid]'";

$qsql=mysqli\_query($con,$sql);

if(mysqli\_affected\_rows($con) == 1)

{

echo "<script>alert('appointment record deleted successfully..');</script>";

}

}

?>

<div class="wrapper col2">

<div id="breadcrumb">

<ul>

<li class="first">Add New treatment records</li></ul>

</div>

</div>

<div class="wrapper col4">

<div id="container">

<h1>Add new treatment records</h1>

<form method="post" action="" name="frmtreatrec" onSubmit="return validateform()" enctype="multipart/form-data">

<table width="258" border="3">

<tbody>

<tr>

<td width="40%">Appointment</td>

<td width="60%">

<input type="text" readonly name="select2" value="<?php echo $\_GET[appid]; ?>" /></td>

</tr>

<tr>

<td>Patient</td>

<td>

<input type="hidden" name="patientid" value="<?php echo $\_GET[patientid]; ?>" />

<?php

$sqlpatient= "SELECT \* FROM patient WHERE status='Active' AND patientid='$\_GET[patientid]'";

$qsqlpatient = mysqli\_query($con,$sqlpatient);

$rspatient=mysqli\_fetch\_array($qsqlpatient);

?>

<input type="text" readonly name="select3" value="<?php echo $rspatient[patientname]; ?>" />

</td>

</tr>

<tr>

<td>Select Treatment type</td>

<td>

<select name="select4" id="select4">

<option value="">Select</option>

<?php

$sqltreatment= "SELECT \* FROM treatment WHERE status='Active'";

$qsqltreatment = mysqli\_query($con,$sqltreatment);

while($rstreatment=mysqli\_fetch\_array($qsqltreatment))

{

if($rstreatment[treatmentid] == $rsedit[treatmentid])

{

echo "<option value='$rstreatment[treatmentid]' selected>$rstreatment[treatmenttype] - (Rs. $rstreatment[treatment\_cost])</option>";

}

else

{

echo "<option value='$rstreatment[treatmentid]'>$rstreatment[treatmenttype] - (Rs. $rstreatment[treatment\_cost])</option>";

}

}

?>

</select></td>

</tr>

<?php

if(isset($\_SESSION[doctorid]))

{

?>

<tr>

<td>Doctor</td>

<td>

<?php

$sqldoctor= "SELECT \* FROM doctor INNER JOIN department ON department.departmentid=doctor.departmentid WHERE doctor.status='Active' AND doctor.doctorid='$\_SESSION[doctorid]'";

$qsqldoctor = mysqli\_query($con,$sqldoctor);

while($rsdoctor = mysqli\_fetch\_array($qsqldoctor))

{

echo "$rsdoctor[doctorname] ( $rsdoctor[departmentname] )";

}

?>

<input type="hidden" name="select5" value="<?php echo $\_SESSION[doctorid]; ?>" />

</td>

<?php

}

else

{

?>

<tr>

<td>Doctor</td>

<td>

<select name="select5" id="select5">

<option value="">Select</option>

<?php

$sqldoctor= "SELECT \* FROM doctor INNER JOIN department ON department.departmentid=doctor.departmentid WHERE doctor.status='Active'";

$qsqldoctor = mysqli\_query($con,$sqldoctor);

while($rsdoctor = mysqli\_fetch\_array($qsqldoctor))

{

if($rsdoctor[doctorid] == $rsedit[doctorid])

{

echo "<option value='$rsdoctor[doctorid]' selected>$rsdoctor[doctorname] ( $rsdoctor[departmentname] ) </option>";

}

else

{

echo "<option value='$rsdoctor[doctorid]'>$rsdoctor[doctorname] ( $rsdoctor[departmentname] )</option>";

}

}

?>

</select>

</td>

<?php

}

?>

</tr>

<tr>

<td>Treatment Description</td>

<td><textarea name="textarea" id="textarea" cols="45" rows="5"><?php echo $rsedit[treatment\_description] ; ?></textarea></td>

</tr>

<tr>

<td>Treatment files</td>

<td><input type="file" name="uploads" id="uploads" value="<?php echo $rsedit[uploads]; ?>" /></td>

</tr>

<tr>

<td>Treatment date</td>

<td><input type="date" max="<?php echo date("Y-m-d"); ?>" name="treatmentdate" id="treatmentdate" value="<?php echo $rsedit[treatment\_date]; ?>" /></td>

</tr>

<tr>

<td>Treatment Time</td>

<td><input type="time" name="treatmenttime" id="treatmenttime" value="<?php echo $rsedit[treatment\_time]; ?>" /></td>

</tr>

<tr>

<td colspan="2" align="center"><input type="submit" name="submit" id="submit" value="Submit" /> | <a href='patientreport.php?patientid=<?php echo $\_GET[patientid]; ?>&appointmentid=<?php echo $\_GET[appid]; ?>'><strong>View Patient Report>></strong></a></td>

</tr>

</tbody>

</table>

</form>

<p>&nbsp;</p>

<table width="692" border="3">

<tbody>

<tr>

<td width="71">Treatment type</td>

<td width="78">Doctor</td>

<td width="82">Treatment Description</td>

<td width="103">Uploads</td>

<td width="43">Treatment date</td>

<td width="43">Treatment time</td>

<td width="54">Status</td>

<td width="58">Action</td>

</tr>

<?php

$sql ="SELECT \* FROM treatment\_records WHERE patientid='$\_GET[patientid]' AND appointmentid='$\_GET[appid]' ";

$qsql = mysqli\_query($con,$sql);

while($rs = mysqli\_fetch\_array($qsql))

{

$sqlpat = "SELECT \* FROM patient WHERE patientid='$rs[patientid]'";

$qsqlpat = mysqli\_query($con,$sqlpat);

$rspat = mysqli\_fetch\_array($qsqlpat);

$sqldoc= "SELECT \* FROM doctor WHERE doctorid='$rs[doctorid]'";

$qsqldoc = mysqli\_query($con,$sqldoc);

$rsdoc = mysqli\_fetch\_array($qsqldoc);

$sqltreatment= "SELECT \* FROM treatment WHERE treatmentid='$rs[treatmentid]'";

$qsqltreatment = mysqli\_query($con,$sqltreatment);

$rstreatment = mysqli\_fetch\_array($qsqltreatment);

echo "<tr>

<td>&nbsp;$rstreatment[treatmenttype]</td>

<td>&nbsp;$rsdoc[doctorname]</td>

<td>&nbsp;$rs[treatment\_description]</td>

<td>&nbsp;<a href='treatmentfiles/$rs[uploads]'>Download</a></td>

<td>&nbsp;$rs[treatment\_date]</td>

<td>&nbsp;$rs[treatment\_time]</td>

<td>&nbsp;$rs[status]</td>

<td>&nbsp;

<a href='treatmentrecord.php?editid=$rs[appointmentid]&patientid=$\_GET[patientid]&appid=$\_GET[appid]'>Edit</a>| <a href='treatmentrecord.php?delid=$rs[appointmentid]&patientid=$\_GET[patientid]&appointmentid=$\_GET[appid]'>Delete</a> </td>

</tr>";

}

?>

</tbody>

</table>

</div>

</div>

</div>

<div class="clear"></div>

</div>

</div>

<?php

include("footer.php");

?>

<script type="application/javascript">

var alphaExp = /^[a-zA-Z]+$/; //Variable to validate only alphabets

var alphaspaceExp = /^[a-zA-Z\s]+$/; //Variable to validate only alphabets and space

var numericExpression = /^[0-9]+$/; //Variable to validate only numbers

var alphanumericExp = /^[0-9a-zA-Z]+$/; //Variable to validate numbers and alphabets

var emailExp = /^[\w\-\.\+]+\@[a-zA-Z0-9\.\-]+\.[a-zA-z0-9]{2,4}$/; //Variable to validate Email ID

function validateform()

{

if(document.frmtreatrec.select2.value == "")

{

alert("Appoitment ID should not be empty..");

document.frmtreatrec.select2.focus();

return false;

}

else if(document.frmtreatrec.select4.value == "")

{

alert("Treatment ID should not be empty..");

document.frmtreatrec.select4.focus();

return false;

}

else if(document.frmtreatrec.select3.value == "")

{

alert("Patient ID should not be empty..");

document.frmtreatrec.select3.focus();

return false;

}

else if(document.frmtreatrec.select5.value == "")

{

alert("Doctor ID should not be empty..");

document.frmtreatrec.select5.focus();

return false;

}

else if(document.frmtreatrec.textarea.value == "")

{

alert("Treatment Description should not be empty..");

document.frmtreatrec.textarea.focus();

return false;

}

else if(document.frmtreatrec.treatmentdate.value == "")

{

alert("Treatment date should not be empty..");

document.frmtreatrec.treatmentdate.focus();

return false;

}

else if(document.frmtreatrec.treatmenttime.value == "")

{

alert("Treatment time should not be empty..");

document.frmtreatrec.treatmenttime.focus();

return false;

}

else if(document.frmtreatrec.select.value == "" )

{

alert("Kindly select the status..");

document.frmtreatrec.select.focus();

return false;

}

else

{

return true;

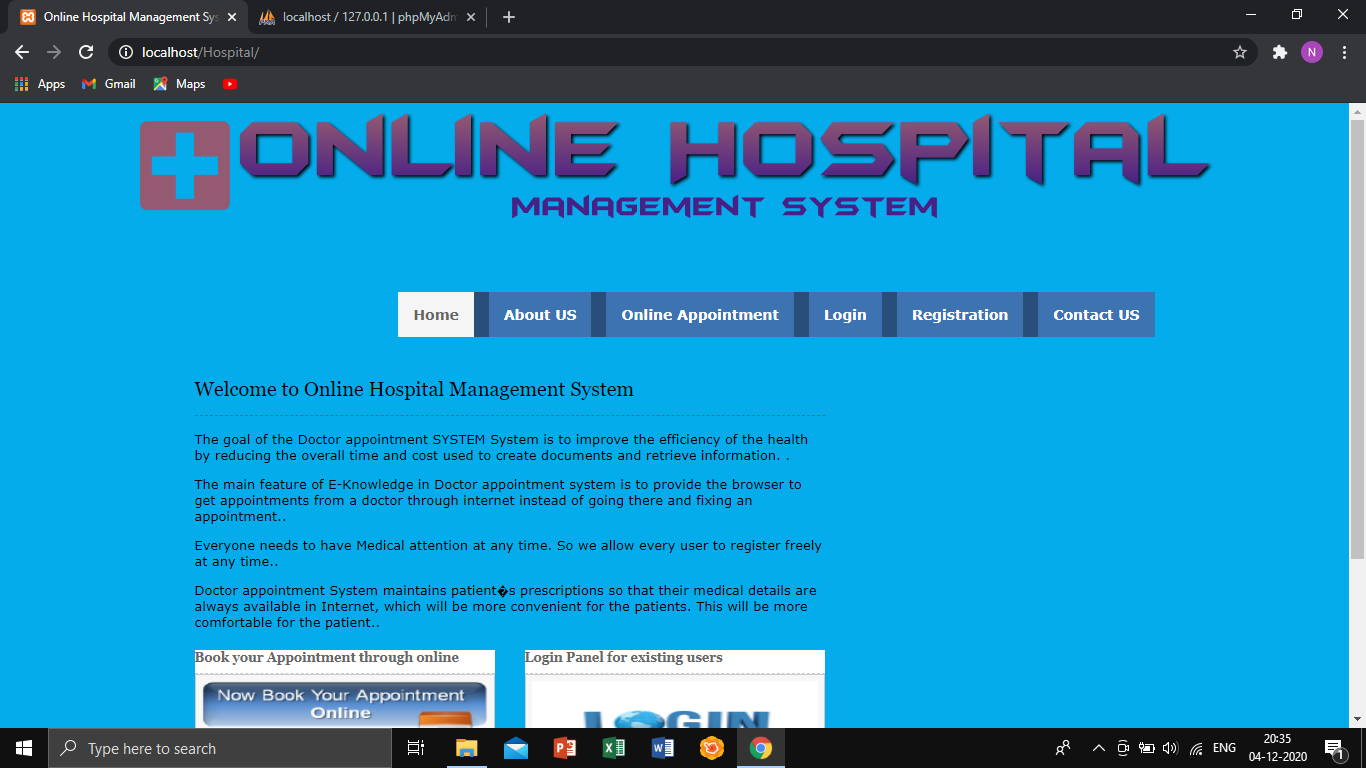
}

}

</script>

## SCREEN SHOTS

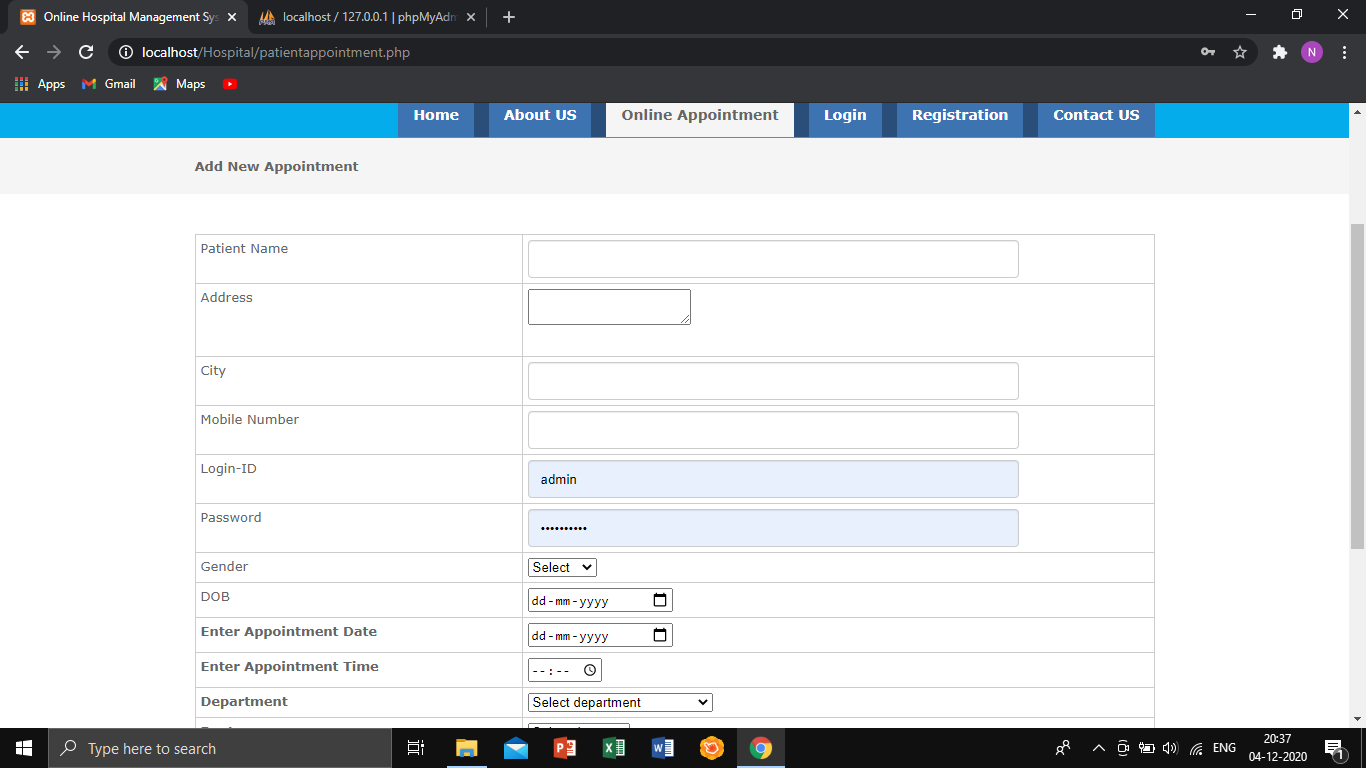
Home page



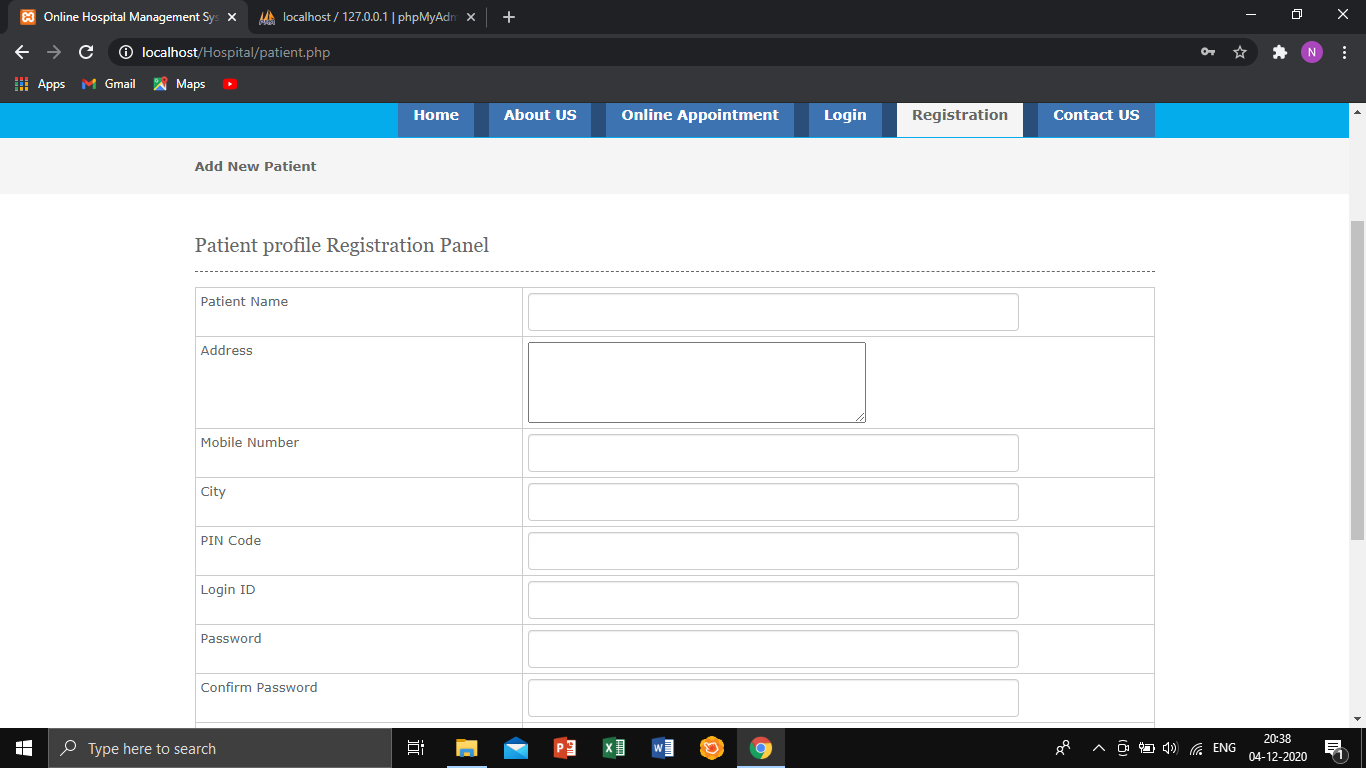
There will be a short summary regarding our hospital, what are its speciality and the facilities we provide to the society.



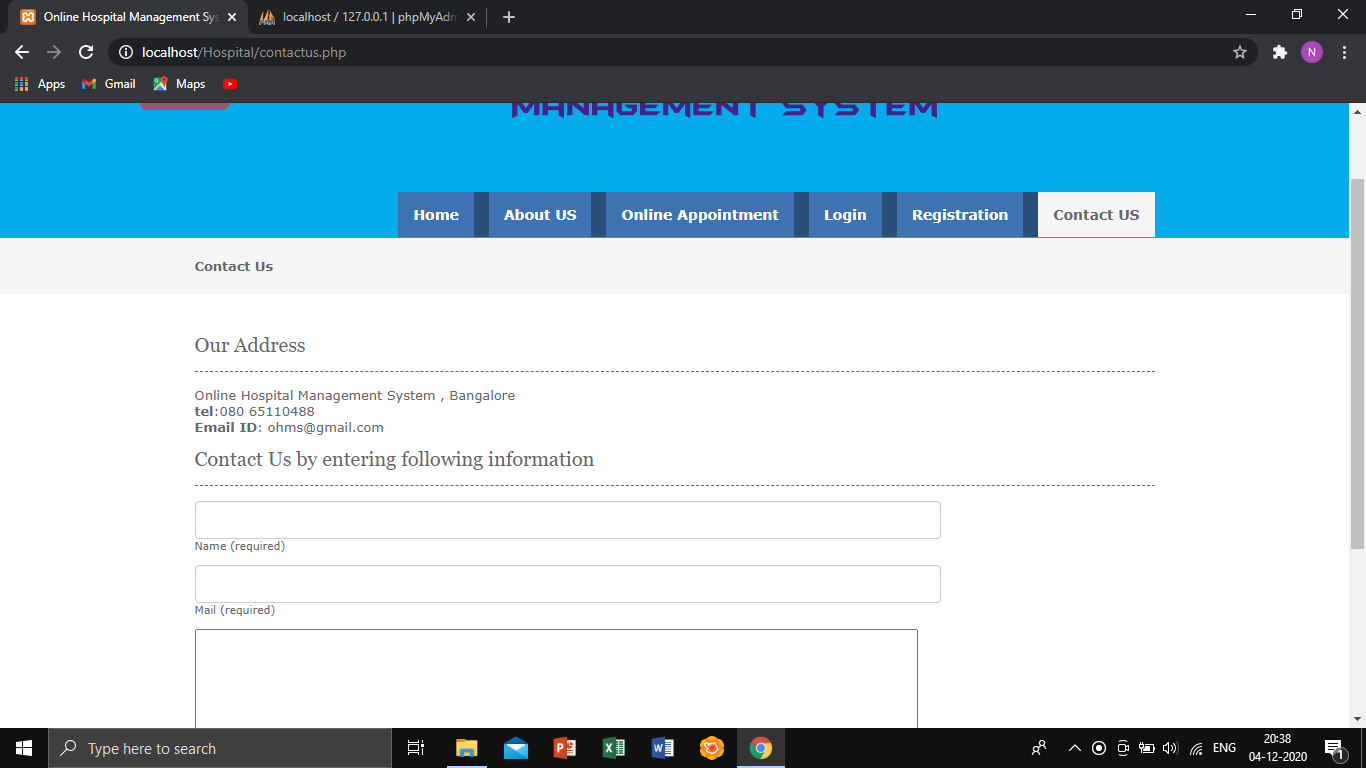
Under online appointment, the patient can fill the necessary details and book their appointments.



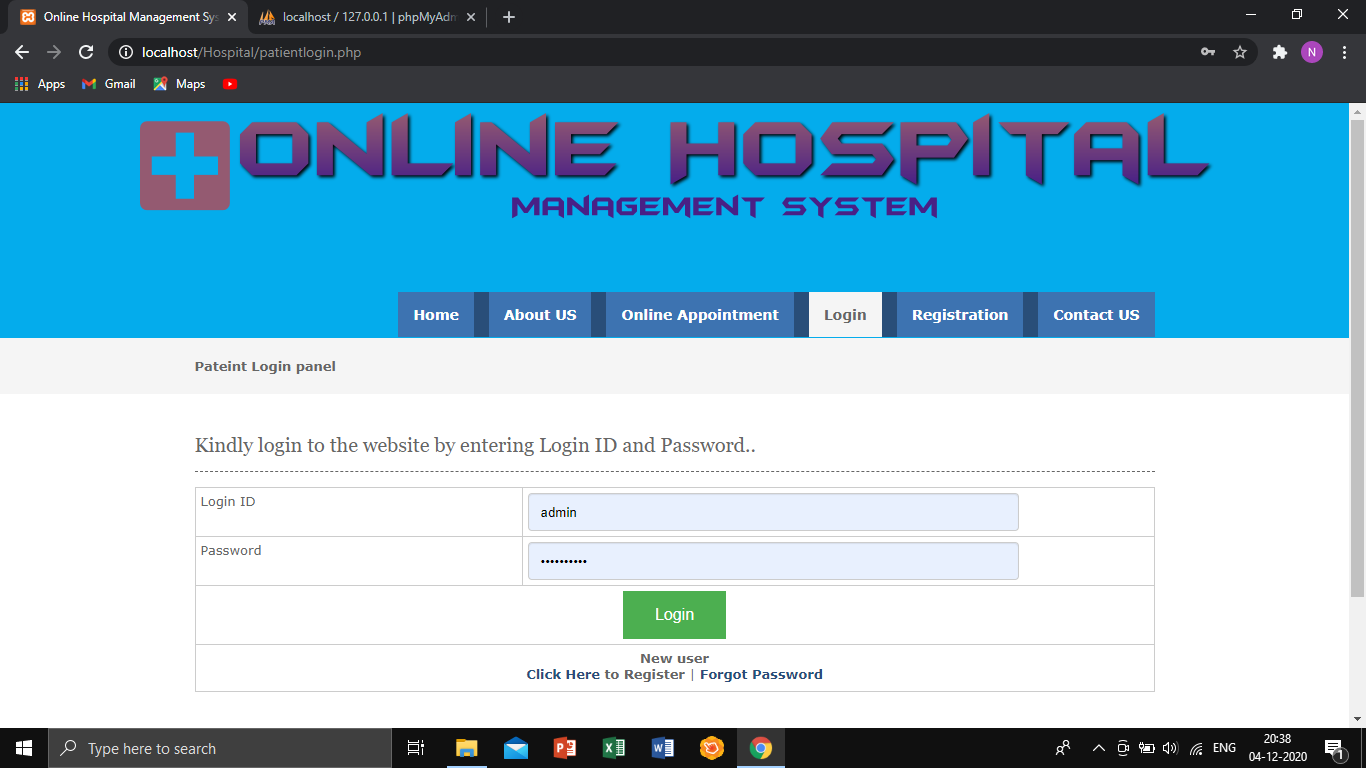
Under Registration, if a person does not have a Login ID, he/she can register and create a new login ID



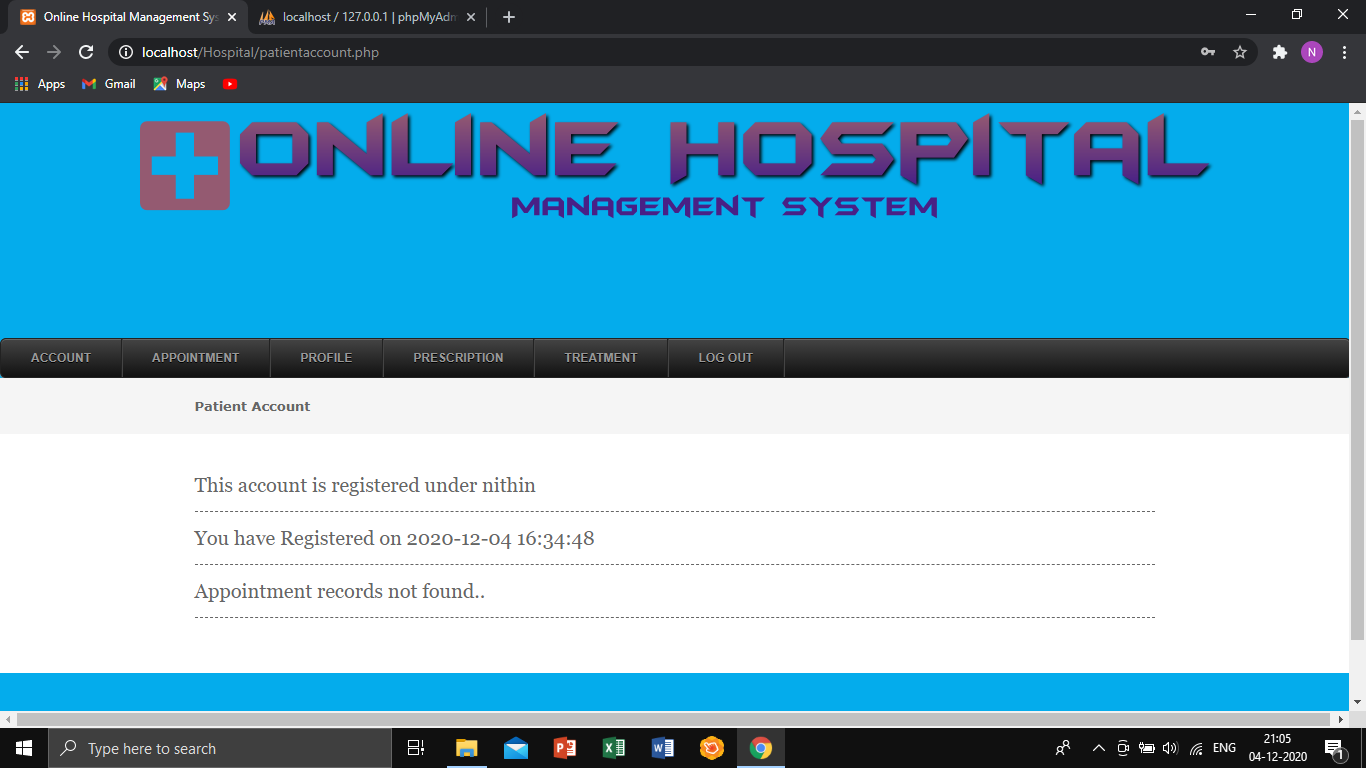
If a person has any queries or wants to give any feedback they can text or contact us



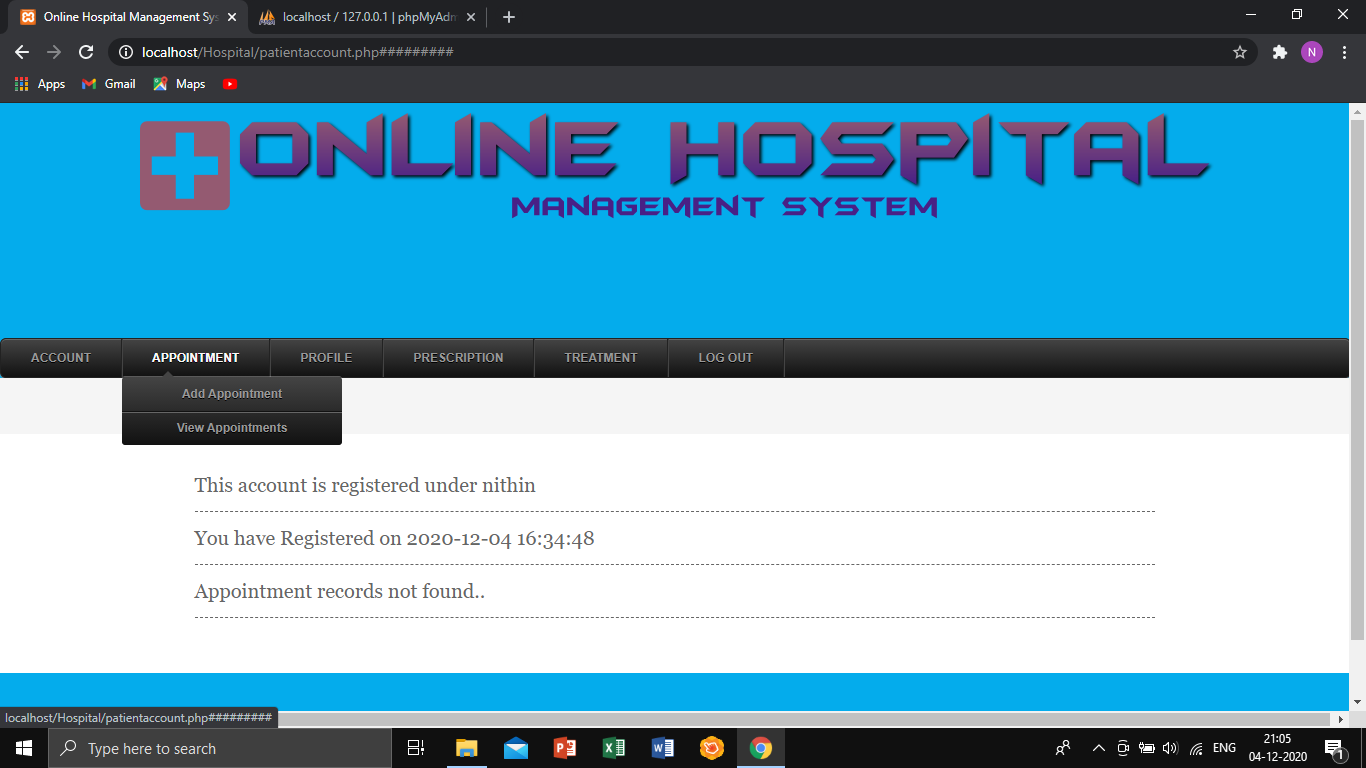
**PATIENT LOGIN PAGE:**  
After registration the person can login under the Patient Login panel.



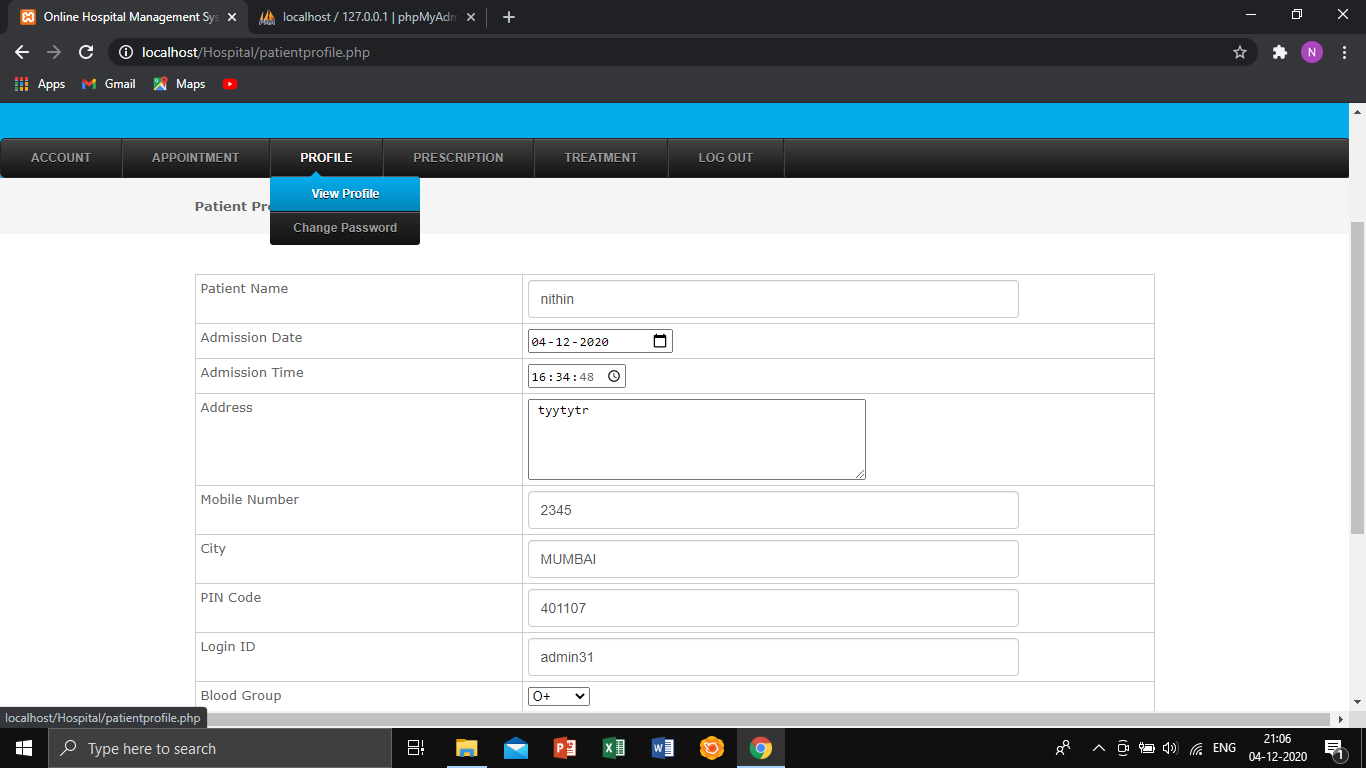
After that the Patient will be able to see the following account details.

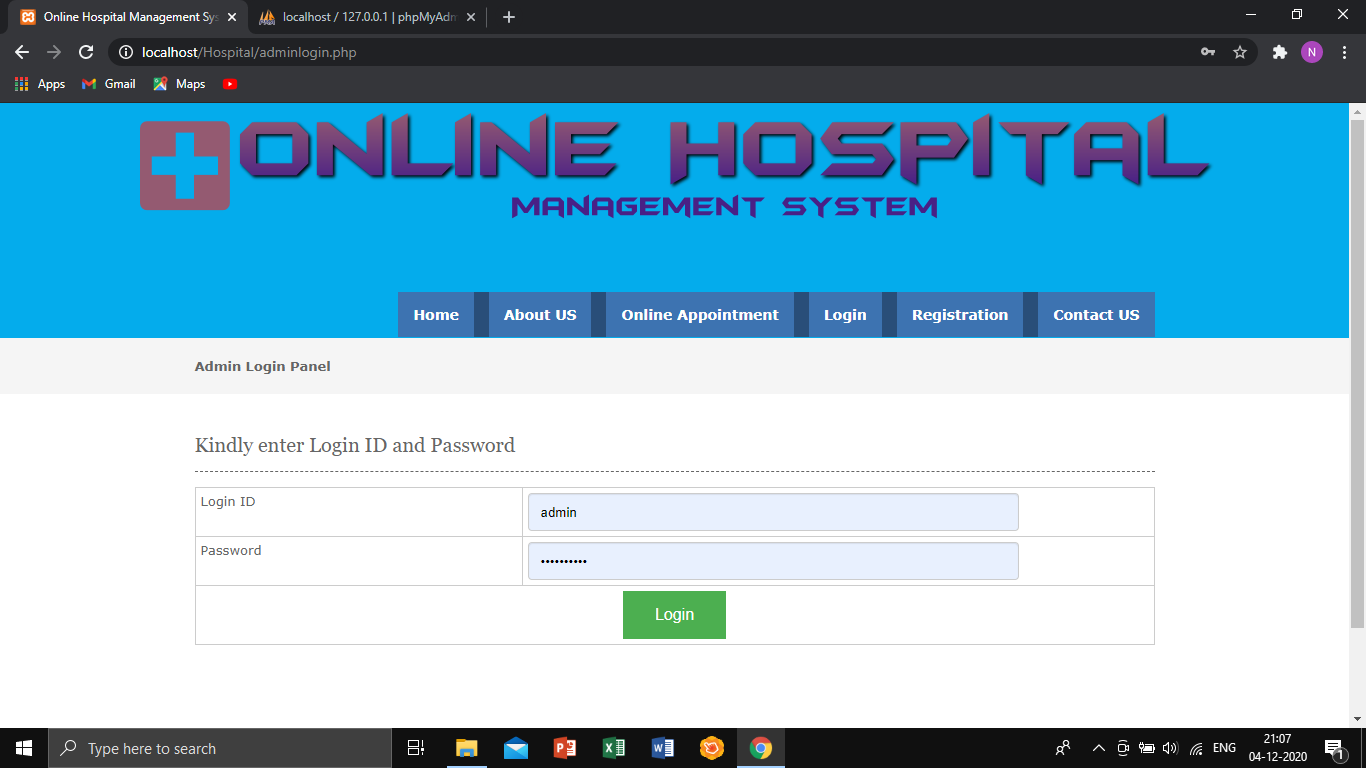


Under appointment a person can add or view his/her appointment.

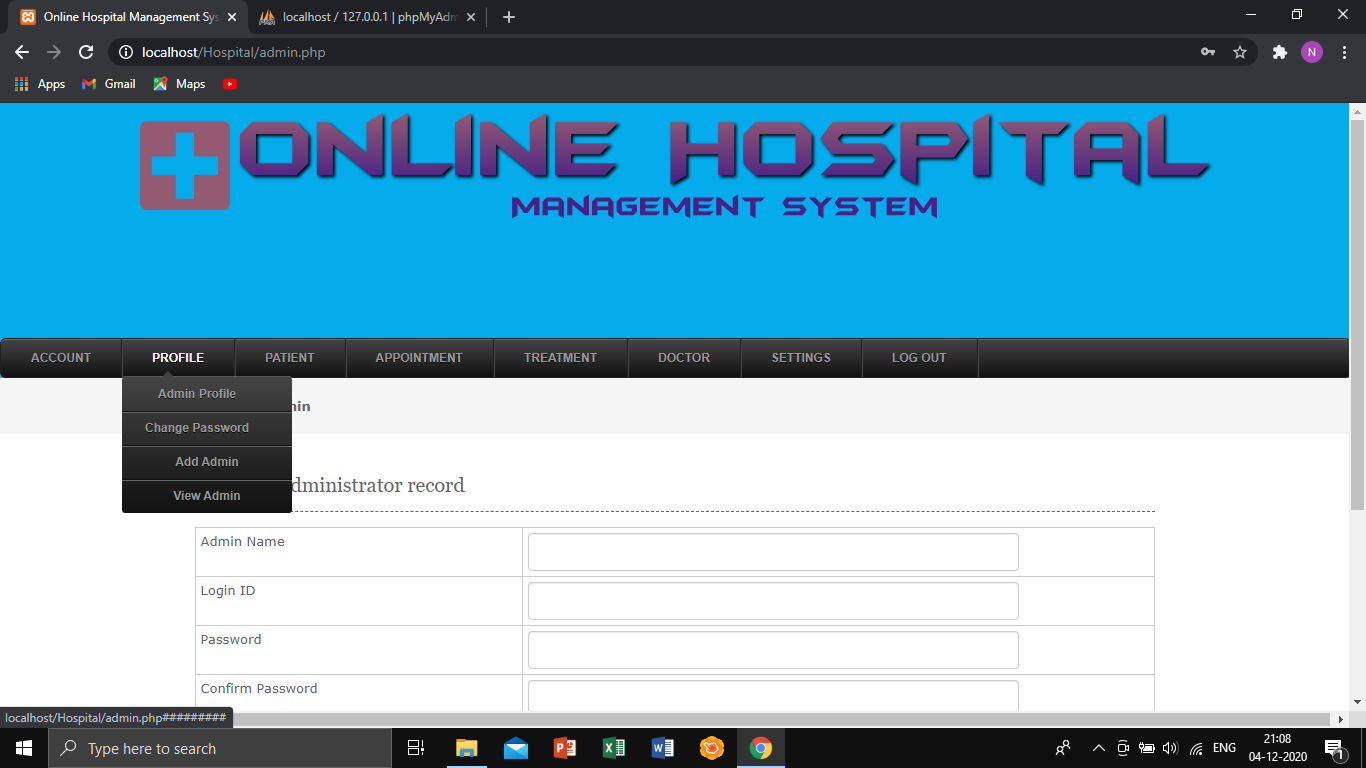


For security reasons a person can change their profile details and also their password.

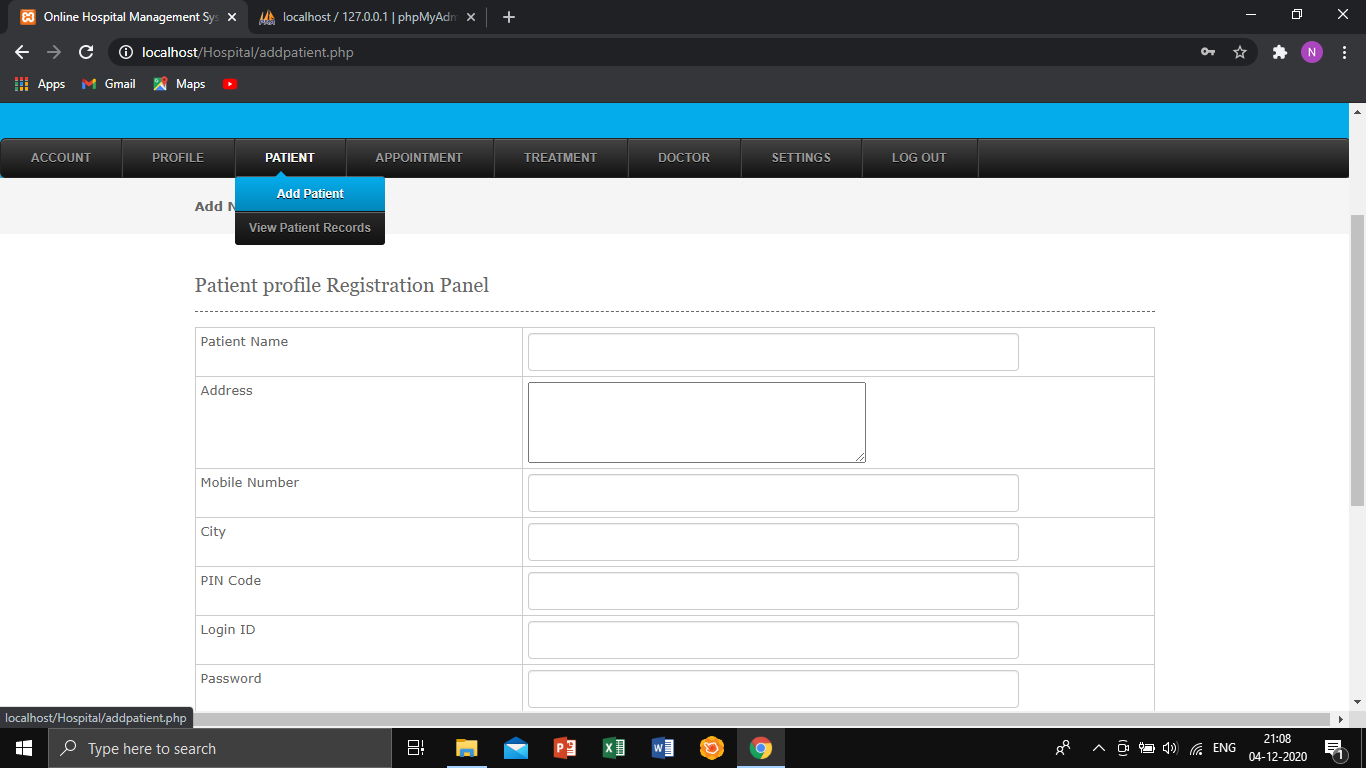


**ADMIN LOGIN PAGE:**  
In this page the receptionist can login under this panel.

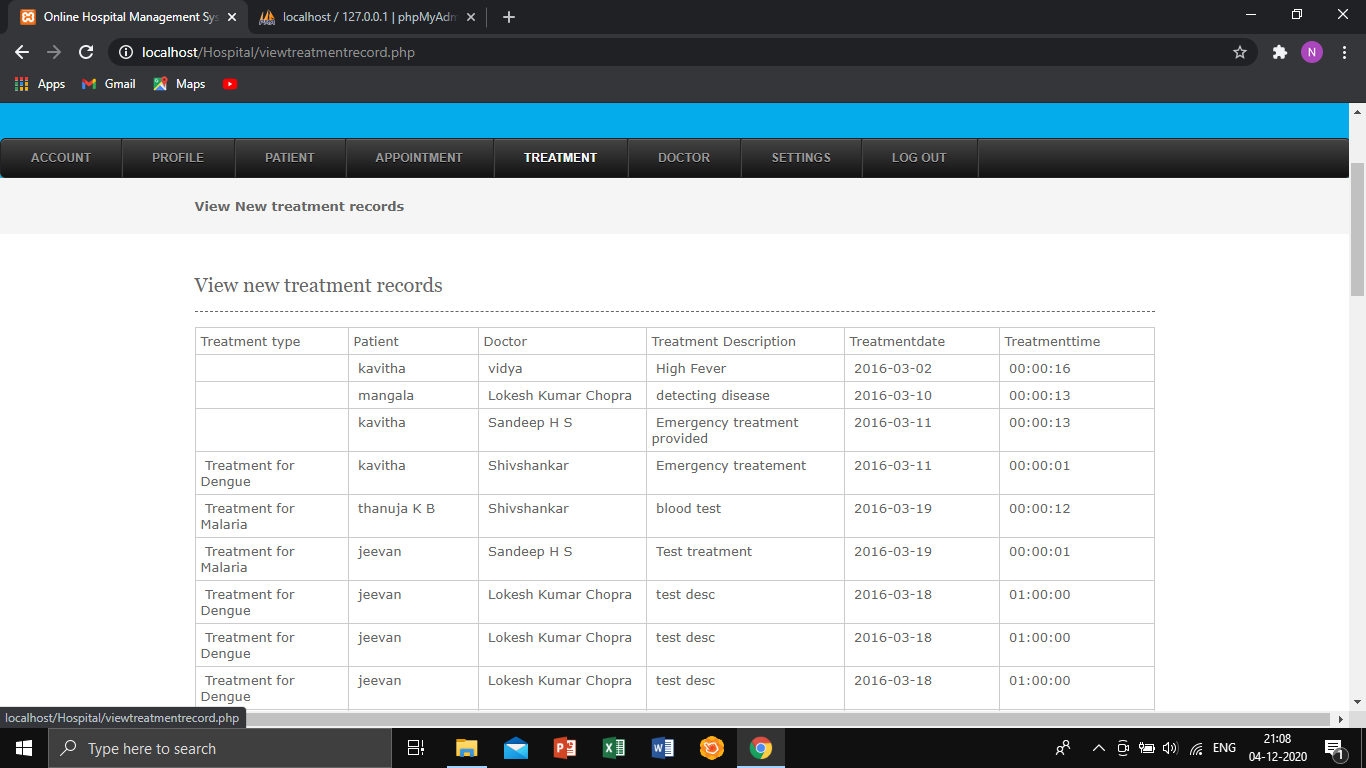
The admin can view their profile details, they can also change their password and add new admin.



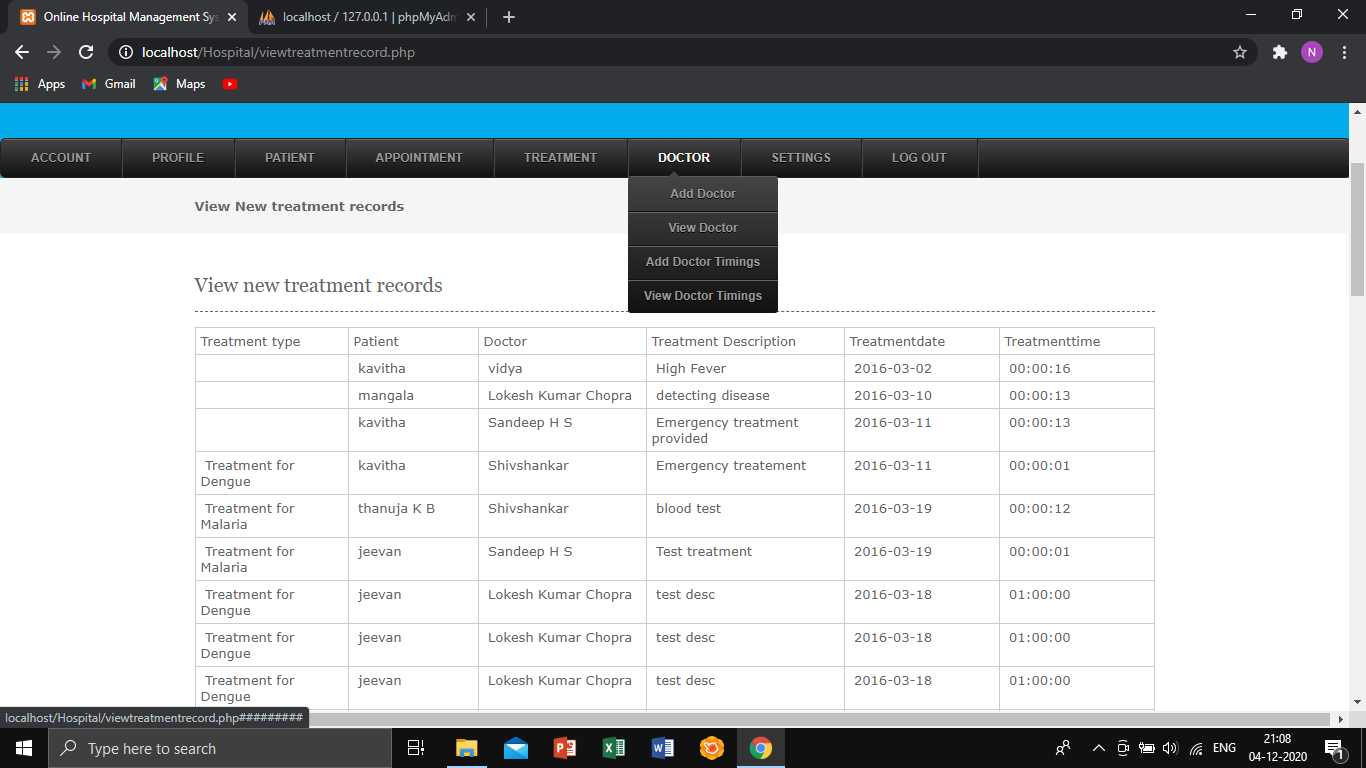
The admin can add patient details and view patient records.



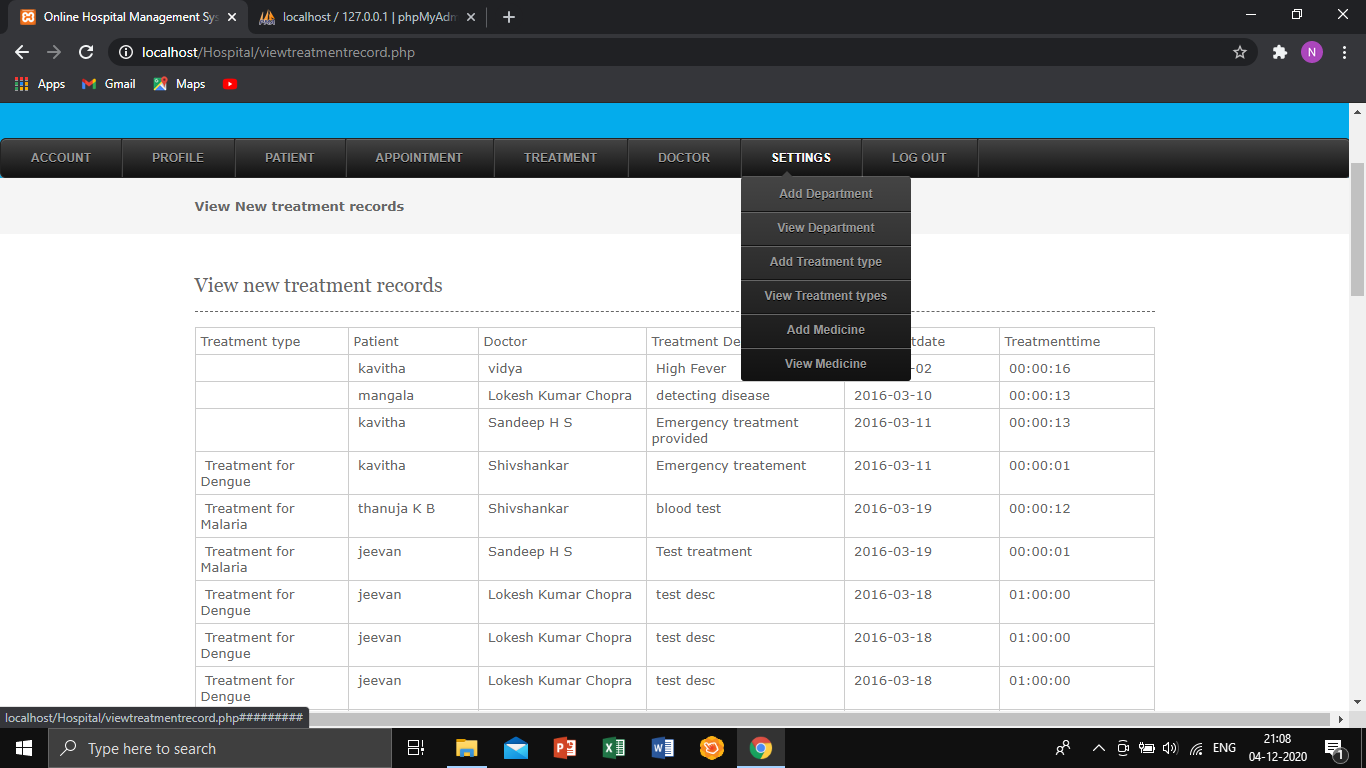
The admin can view  
1) treatment records



2) Can also add and view doctor timings



3) Add and view Treatments and medicines



# CONCLUSION

## Conclusion

The project Hospital Management System (HMS) is for computerizing the working in a hospital. The software takes care of all the requirements of an average hospital and is capable to provide easy and effective storage of information related to patients that come up to the hospital.

* It generates test reports; provide prescription details including various tests, check-up and medicines prescribed to patient and doctor. It also provides injection details and billing facility.•
* The system also provides the facility of backup as per the requirement.

## Future scope

Being a challenging role, hospital management graduates can enter into this profession from any of the levels right from middle level management to the top level of the company and hence the scope gets increased. Also as management in the healthcare sector is highly taken care of after direct medical services provided to the patients, the professionals have good opportunity to expand their career with diversification intra and inter institutes.  
Because of entrance of private players in the market, who provide quality health care services at low cost, the experienced and deserving candidates are taken in hands for a particular position. On the other side with increasing efforts of the government, the rural and urban health care is also gaining its importance and graduates in this field have more chances of getting employment.