

DATE : 26/03/2021

ASSIGNMENT 4

UCS 1601 – INTERNET PROGRAMMING

NAME : SHARAN GIRI

REGISTER NUMBER : 18 5001 141

I. SERVLET TO COMPUTE THE GROSS PAY OF EMPLOYEES

SPECIFICATIONS:

Create a HTML file with following form fields:

- a. Employee ID
- b. Employee Name
- c. Designation
- d. Department
- e. Basic Salary
- f. Phone Number
- g. Address
- h. Date of Birth
- i. Gender
- j. Marital Status
- k. Submit (Button, onclick submit the form details to a servlet)
- l. Reset (Button, onclick)

Write a servlet program which reads all form details, finds the gross pay based on basic pay and designation. The servlet returns all details (a-j, gross pay) in table format to the client.

HTML CODE: index.html

```
<!Doctype HTML>
<html>
<head>
    <meta charset="utf-8">
        <meta name="viewport" content="width=device-width">
        <link rel="stylesheet" href="style.css">
        <script src="script.js"></script>
    <title>Employee Form</title>
</head>
<body>
    <div class="divform">
        <h1 class="heading">EMPLOYEE REGISTRATION FORM</h1>
        <br><br><br>
        <form name="form1" method="POST" action="http://localhost:8080/Project2/Employee">

            <label for="eid">EMPLOYEE ID</label><br>
            <input type="text" id="eid" name="EID" pattern=[A-Za-z]{3}-[0-9]{3} onfocus="foc(this)" onblur="blr(this)" placeholder="Enter your Employee ID" required><br><br>

            <label for="Name">EMPLOYEE NAME</label><br>
            <input type="text" id="name" name="Name" onfocus="foc(this)" onblur="blr(this)" placeholder="Enter your name" required><br><br>

            <label for="dob">DOB</label><br>
            <input type="date" id="dob" name="DOB"><br><br>

            <label for="gender">GENDER</label><br><br>
            <input type="radio" id="Male" name="Gender" value="Male" required>
            <label for="male">Male</label><br>
            <input type="radio" id="Female" name="Gender" value="Female">
            <label for="female">Female</label><br>
            <input type="radio" id="Other" name="Gender" value="Other">
            <label for="other">Other</label><br><br>

            <label for="addr">ADDRESS</label><br>
            <textarea type="text" id="addr" name="Address" required></textarea><br>
        <br>

            <label for="status">MARITAL STATUS</label><br>
            <select name="Marital Status" id="mat" onfocus="foc(this)" required onblur="blr(this)" >
                <option value="Married">Married</option>
                <option value="Single">Single</option>
            </select><br><br>
```

```

        <label for="dep">DEPARTMENT</label><br>
        <input type="text" id="dep" name="Department" onfocus="foc(this)" on
blur="blr(this)" placeholder="Enter name" required><br><br>

        <label for="desig">DESIGNATION</label><br>
        <select name="Designation" id="desig" onfocus="func(this)" required on
blur="func1(this)" >
            <option value="Manager">Manager</option>
            <option value="Employee">Employee</option>
            <option value="Intern">Intern</option>
            <option value="Receptionist">Receptionist</option>
            <option value="Sales Representative">Sales Rep</option>
        </select><br><br>

        <label for="phone">PHONE NUMBER</label><br>
        <input type="tel" id="phone" name="Contact" oninvalid="inv(this)" requ
ired min=10 PATTERN=[0-9]{10} placeholder="Enter phone number"><br><br>

        <label for="sal">BASIC PAY</label><br>
        <input type="number" id="sal" name="Basic Pay" onfocus="foc(this)" on
blur="blr(this)" placeholder="Enter Basic pay" required><br><br>

        <input type="submit" value="SUBMIT" >
        <input type="reset" value="RESET">
    </form>
</div>
</body>
</html>

```

CSS SHEET - style.css

```

body{
    background-color: cyan;
    min-height: 100vh;
}

.divform
{
    margin:30px;
    background-color:rgb(229, 240, 130);
    padding-top:25px;
    text-align:left;
    padding-left:40px;
    padding-right:30px;
    padding-bottom:50px;
}

```

```
border-radius: 25px;
border: 2px solid black;
color: black;
justify-content: space-evenly;
font-size: 16px;
box-shadow: 0px 20px 30px white;
}

.heading
{
    text-align: center;
    color: black;
    font-family: "Calibri";
    font-size: 30px;
}

.ftitle
{
    font-family: "Courier New";
    font-style: oblique;
    font-size: 25px;
    text-align: center;
    font-weight: bolder;
}

form
{
    font-family: "Calibri";
    font-size: 20px;
    color: black;
}

textarea[type=text]
{
    height: 100px;
    width: 75%;
    padding: 12px 17px;
    margin: 8px 0;
    box-sizing: border-box;
    border-radius: 7px;
    font-size: 15px;
}
```

```
input[type=text],input[type=number],input[type=date],select,input[type=tel]
{
    width: 75%;
    border-radius: 7px;
    background-color: white;
    display: inline-block;
    box-sizing: border-box;
    height: 50px;
}

input[type=submit],input[type=reset]{
    width: 40%;
    border-radius: 7px;
    background-color: white;
    display: inline-flex;
    justify-content: space-evenly;
    display:space-between;
    box-sizing: border-box;
    margin-left: 80px;
    height: 50px;
}

#dob{
    width:40%;
}

#phone{
    width:40%;
}

#sal{
    width:40%;
}

table,td,th{
    margin-top: 30px;
    margin-left: auto;
    margin-right: auto;
    width: 60%;
    border: 1px solid white;
    font-weight: bold;
    font-size: 19px;
}
td{
    padding: 30px;
    text-align: left;
    background-color: rgb(237, 238, 171);
}
```

```
th{
    height: 60px;
    padding: 40px;
    text-align: center;
    font-size: 20px;
    background-color: yellow;
}
```

JAVASCRIPT – script.js:

```
function foc(a)
{
    a.style.background="lavender";
}
function blr(a)
{
    a.style.background="white";
}
```

SERVLET CODE: Employee.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.util.*;

public class Employee extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException
    {
        String sal=request.getParameter("Basic Pay");
        String desig = request.getParameter("Designation");
        float pay = Float.parseFloat(sal);
        if(desig.equalsIgnoreCase("Sales Representative")){
            pay = 175*pay/100;
        }
        else if(desig.equalsIgnoreCase("Manager")){
            pay = 190*pay/100;
        }
    }
}
```

```

else if(desig.equalsIgnoreCase("Receptionist")){
    pay = 135*pay/100;
}

else if(desig.equalsIgnoreCase("Employee")){
    pay = 150*pay/100;
}

else if(desig.equalsIgnoreCase("Intern")){
    pay = 110*pay/100;
}

response.setContentType("text/html");
PrintWriter pw = response.getWriter();
pw.println("<html><head><title>Form details</title>");
pw.println("<link rel='stylesheet' href='style.css'>");
pw.println("</head>");
pw.println("<body style='background-color:cyan'><br><br><br>");
pw.println("<div class='divform'>");
pw.println("<table align='center' width='60%' border='1'><br>");
pw.println("<caption>Employee Details</caption><br>");
pw.println("<br><br><table>");
pw.println("<thead><tr><th colspan='2'>Employee Details</th></tr></thead>"
);

Enumeration paramNames = request.getParameterNames();
while(paramNames.hasMoreElements()){
    String paramName = (String)paramNames.nextElement();
    pw.println("<tr><td>" +paramName+ "</td>");

    String[] paramValues = request.getParameterValues(paramName);
    if (paramValues.length == 1){
        String paramValue = paramValues[0];
        if (paramValue.length() == 0)
            pw.println("<td>NO VALUE</td>");
        else
            pw.println("<td>" +paramValue+ "</td>");
    } else{
        pw.print("<td>");
        for(int i=0; i<paramValues.length; i++){
            pw.print(paramValues[i]+ " ");
        }
        pw.print("</td></tr>\n");
    }
}
pw.println("<tr><td>Gross Pay</td><td>" +pay+ "</td></tr>");
pw.println("</table>\n</body>");
pw.print("</html>");
pw.close();

```

```
    }  
}
```

XML CODE: web.xml

```
<web-app>  
<servlet>  
<servlet-name>Employee-Form</servlet-name>  
<servlet-class>Employee</servlet-class>  
</servlet>  
<servlet-mapping>  
<servlet-name>Employee-Form</servlet-name>  
<url-pattern>/Employee</url-pattern>  
</servlet-mapping>  
</web-app>
```

SNAPSHOTS:

1. The form with values for fields filled.
2. The Table that was generated with the Employee details.

EMPLOYEE REGISTRATION FORM

EMPLOYEE ID

AEY-124

EMPLOYEE NAME

Brian

DOB

10/09/1990



GENDER

- Male
- Female
- Other

ADDRESS

No 5, JLT, Bay Area, Marina Square

MARITAL STATUS

Married

DEPARTMENT

IT

DESIGNATION

Manager

PHONE NUMBER

8923467543

BASIC PAY

100000

SUBMIT

RESET

Employee Details

Employee Details	
EID	AEY-124
Name	Brian
DOB	1990-10-09
Gender	Male
Address	No 5, JLT, Bay Area, Marina Square
Marital Status	Married
Department	IT
Designation	Manager
Contact	8923467543
Basic Pay	100000
Gross Pay	190000.0

DATE : 26/03/2021

ASSIGNMENT 4

UCS 1601 – INTERNET PROGRAMMING

NAME : SHARAN GIRI

REGISTER NUMBER : 18 5001 141

II. PATIENT MANAGEMENT SYSTEM

SPECIFICATIONS:

Develop a Patient Management System (PMS) in a Hospital that maintains the patient records.

Specifications:

- a. Admin only can access the patient records.
- b. Admin has to authenticate himself with the credentials to access the patient details.
- c. The first page is the login page (login.html) where the admin should enter the credentials .
- d. If login fails, display an alert “Login Failed, enter the correct details”, clear the username and password textbox and focus the control back to the username of login.html
- e. Perform the authentication using JavaScript, use hardcoded username and password in login.html
- f. On successful login, it should be redirected to homepage (homepage.html) of PMS with links to add/update/search/delete record and view records.
- h. Clicking the links should invoke its corresponding html file from where the information is submitted to the corresponding Servlet.
- i. Similarly, perform ADD, UPDATE, VIEW and SEARCH using corresponding html and Servlet.
- j. UPDATE is invoked if phone number or Address of the patient is changed.
- k. SEARCH for particular patient based on Patient ID .
- l. After each operation ViewServlet should be invoked to view the changes in the Database.

CSS CODE : style1.css

[\\Project3\\static]

```
::placeholder{  
    color: #fff;  
}  
  
body{  
margin: 0px;  
padding: 0px;  
background-image: url("images/hosp.jpg");  
background-attachment: fixed;  
background-size: cover;  
font-family: Sans-Serif;  
background-size: cover;  
}  
  
.box{  
position: absolute;  
top: 50%;  
left: 50%;  
transform: translate(-50%, -50%);  
width: 400px;  
padding: 40px;  
background:rgb(0,0,0,0.5);  
box-sizing: border-box;  
box-shadow: 0 15px 25px rgba(0,0,0,0.4);  
border-radius: 10px;  
}  
  
.box img{  
transform: translateX(60%);  
}  
  
.box h2{  
margin: 0 0 30px;  
padding: 0;  
color: #fff;  
text-align: center;  
}
```

```
.inputBox{  
    position: relative;  
}  
  
.inputBox input{  
    width: 100%;  
    padding: 10px 0;  
    font-size: 16px;  
    margin-bottom: 15px;  
    color: #fff;  
    border: none;  
    border-bottom: 2px solid #fff;  
    outline: none;  
    background: transparent;  
}  
  
.box .inputBox label{  
    position: absolute;  
    top: 0;  
    left: 0;  
    padding: 10px 0;  
    font-size: 16px;  
    color: #fff;  
    cursor: pointer;  
}  
  
.submit-btn{  
    transform: translateX(150%);  
    background: transparent;  
    border: none;  
    outline: none;  
    color: #fff;  
    background-color: #03a9f4;  
    padding: 10px 20px;  
}
```

JAVASCRIPT : script.js

[Project3\static]

```
function check()
{
    var user=document.getElementById("name").value;
    var pass=document.getElementById("pass").value;
    if(user=="admin" && pass=="admin@123")
    {
        window.open("homepage.html");
    }
    else
    {
        alert("Login Unsuccessful!!!");
        document.getElementById("name").innerHTML="";
        document.getElementById("pass").innerHTML="";
        document.getElementById("name").select();
        return False;
    }
}
```

CSS CODE : style2.css

[Project3\static]

```
body
{
    margin: 0;
    padding: 0;
    font-family: 'Trebuchet MS', sans-serif;
    background: #bfd6e9;
}

.nav-bar h2{
    padding: 50px 0px;
    position: relative;
    margin-left: auto;
    margin-right: auto;
    text-align: center;
    cursor: pointer;
    width: 300px;
    height: 150px;
}
```

```
.nav-bar{
    background-color: #eee7e7;
    position: relative;
}

.nav-bar ul{
    align-items: center;
    justify-content:center;
    top:50%;
    left: 50%;
    margin: 0;
    padding: 10px 0;
    background: #fff;
    display: flex;
    border-radius: 10px;
    box-shadow: 0 10px 30px rgba(0,0,0,.5);
    transform:translate(0%, 10%);
}

.nav-bar ul li
{
    list-style: none;
    text-align: center;
    display: block;
    border-right: 1px solid rgba(0,0,0,0.2);
}

.nav-bar ul li:last-child{
    border-right: none;
}

.nav-bar ul li a{
    text-decoration: none;
    padding: 0 50px;
    display: block;
}
```

```
.form-bg h1{  
    text-align : center;  
    font-size: 3em;  
    text-shadow: 2px 2px #d3c8c8;  
    color: #030003  
}  
  
form{  
    font-size: 19px;  
}  
  
table,td,th{  
    margin-top: 30px;  
    margin-left: auto;  
    margin-right: auto;  
    width: 60%;  
    border: 1px solid black;  
    font-weight: bold;  
    color: white;  
    font-size: 19px;  
}  
  
td{  
    padding: 30px;  
    text-align: left;  
}  
  
th{  
    height: 60px;  
    padding: 40px;  
    text-align: center;  
    font-size: 20px;  
}  
  
table, .tb{  
    border: 1px solid rgba(0,0,0,0.0);  
    border-radius: 10px;  
    background: rgba(0,0,0,0.3);  
}
```

```
.tb th,.tb td{
  border: 1px solid rgba(0,0,0,0.0);
  color: white;
}

input[type=text],input[type=email],select,input[type=tel]
{
  width: 300px;
  padding: 12px 17px;
  margin: 8px 0;
  box-sizing: border-box;
  border-radius: 4px;
  font-size: 15px;
}

textarea[type=text]
{
  height: 100px;
  width: 300px;
  padding: 12px 17px;
  margin: 8px 0;
  box-sizing: border-box;
  border-radius: 4px;
  font-size: 15px;
}

input[type=submit],input[type=reset]
{
  width: 150px;
  padding: 12px 17px;
  margin: 8px 0;
  border-radius: 4px;
  border: none;
  font-size: 17px;
  cursor: pointer;
  background-color: white;
}

input[type=date]
{
  padding: 5px 8px;
  border-radius: 4px;
}
```

```
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

        <!--Bootstrap CSS-->
        <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jfIDPvg6uqKI2xXr2" crossorigin="anonymous">

        <title>Patient Record Management</title>

        <link rel="stylesheet" href="static/style1.css">
        <script src="static/script1.js"></script>

    </head>

    <body>

        <div class="box">
            </img>
            <h2>LOGIN</h2>
            <form action="#">

                <div class="inputBox">
                    <!--<label for="Name">User Name</label> -->
                    <input type="text" id="name" name="name" autofocus="autofocus" placeholder="USER NAME" autocomplete="off" required><br><br>
                </div>

                <div class="inputBox">
                    <!--<label for="pass">Password </label> -->
                    <input type="password" id="pass" name="pass" placeholder="PASSWORD" autocomplete="off" required><br><br>
                </div>
                <input type="submit" class="submit-btn" value="Login" onclick="check()">
            </form>
        </div>

    </body>

</html>
```

HTML CODE: homepage.html

[Project3]

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no"
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
dist/css/bootstrap.min.css" integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin=
"anonymous">
    <link rel="stylesheet" href="static/style2.css">
    <title>Welcome</title>
  </head>

  <body>
    <div class="nav-bar">
      <h2>PATIENT DETAILS</h2>
      <div class="bar">
        <ul>
          <li>
            <a href="add.html"><div class="add">Add Record</div></a>
          </li>
          <li>
            <a href="update.html"><div class="upd">Update Record</div></a>
          </li>
          <li>
            <a href="del.html"><div class="del">Delete Record</div></a>
          </li>
          <li>
            <a href="http://localhost:8080/Project3/view"><div class="vew">
              View Record</div></a>
          </li>
          <li>
            <a href="search.html"><div class="ser">Search Record</div></a>
          </li>
        </ul>
      </div>
    </div>

    <div style="justify-content: center; text-align: center;">
      <h1 style="color: #fff; padding: 200px; font-
size: 5em;">WELCOME ADMIN</h1>
    </div>

  </body>
</html>
```

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
dist/css/bootstrap.min.css" integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlIDPvg6uqKI2xXr2" crossorigin=
"anonymous">

    <link rel="stylesheet" href="static/style2.css">
    <link rel="stylesheet" href="static/style3.css">

    <title>Add Record</title>
  </head>

  <body>
    <div class="nav-bar">
      <h2>PATIENT DETAILS</h2>
      <div class="bar">
        <ul>
          <li>
            <a href="add.html"><div class="add">Add Record</div></a>
          </li>
          <li>
            <a href="update.html"><div class="upd">Update Record</div></a>
          </li>
          <li>
            <a href="del.html"><div class="del">Delete Record</div></a>
          </li>
          <li>
            <a href="http://localhost:8080/Project3/view"><div class="view">View
Record</div></a>
          </li>
          <li>
            <a href="search.html"><div class="ser">Search Record</div></a>
          </li>
        </ul>
      </div>
    </div>
```

```

<div class = "form-bg">
    <br><br><h1>HOSPITAL REGISTRATION FORM</h1>

    <form name="form1" method="POST" action="http://localhost:8080/Project3/
AddRecord">

        <table class="tb">

            <thead>
                <tr>
                    <th colspan = "2"> REGISTER WITH US</th>
                </tr>
            </thead>

            <tr>
                <td><label for="name">Name:</label> </td>
                <td><input type="text" id="name" name="name" pattern="[a-zA-
Z]{3,225}" required></td>
            </tr>

            <tr>
                <td><label for="addr">Address: </label> </td>
                <td><textarea type="text" id="addr" name="address" required></tex
tarea></td>
            </tr>

            <tr>
                <td><label for="age">Age: </label> </td>
                <td><input type="text" id="age" name="age" required>
            </td>
            </tr>

            <tr>
                <td><label for="gender">Gender:</label></td>
                <td><input type="radio" id="male" name="gender" value="Male">
                    <label for="Male">Male</label> &emsp;
                    <input type="radio" id="female" name="gender" value="Female">
                    <label for="Female">Female</label> &emsp;
                    <input type="radio" id="other" name="gender" value="Other">
                    <label for="Other">Other</label> <br>
                </td>
            </tr>

```

```

<tr>
    <td>Marital Status: </td>
    <td>
        <select name="mat" id="mat" required>
            <option value="None">--Select one of the below--</option>
            <option value="Single">Single</option>
            <option value="Married">Married</option>
        </select>
        <br>
    </td>
</tr>

<tr>
    <td><label for="dov">Date Of Visit :</label></td>
    <td><input type="date" id="dov" name="dov" required></td>
</tr>

<tr>
    <td><label for="phone">Phone Number: </label></td>
    <td><input type="tel" id="phone" name="Contact" required min=10 PATT
ERN=[0-9]{10}></td>
</tr>

<tfoot>

    <tr>
        <th><input type="submit" id="submit" value="Submit"></th>
        <th><input type="reset" onclick="resetFunc()"><br><p id="res" class="small"></p></th>
    </tr>

</tfoot>

</table>

</form>

</div>

</body>

</html>

```

SERVLET CODE: addRecord.java

[Project3]

```
import javax.servlet.*;
import javax.servlet.http.*;
import java.util.*;
import java.io.*;
import java.sql.*;

public class addRecord extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
    {
        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();

        String name = request.getParameter("name");
        String mobile =request.getParameter("Contact");
        String gender = request.getParameter("gender");
        int age = Integer.parseInt(request.getParameter("age"));
        String ms = request.getParameter("mat");
        String addr = "";
        String[] values= request.getParameterValues("address");

        for(int i=0; i<values.length; i++ )
            addr += values[i]+ " ";

        Connection conn = null;
        Statement stmt = null;

        try{
            //Open Connection
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL,USER,PASS);
```

```
PreparedStatement ps= conn.prepareStatement("Insert into Patients (Name, Age, Gender, Addr, Mstatus, Dov, Contact) values(?,?,?,?,?,?,?,?)");

ps.setString(1, name);
ps.setInt(2, age);
ps.setString(3, gender);
ps.setString(4, addr);
ps.setString(5, ms);
ps.setDate(6, java.sql.Date.valueOf(request.getParameter("dov")));
ps.setString(7, mobile);

ps.execute();

pw.println("<script>");
pw.println("alert(\"Patient has been registered...\""));
pw.println("location='http://localhost:8080/Project3/view'");
pw.println("</script>");

}

catch (Exception ex)
{
    ex.printStackTrace();
}

pw.close();

}
}
```

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
dist/css/bootstrap.min.css" integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0j1fIDPvg6uqKI2xXr2" crossorigin=
"anonymous">

    <link rel="stylesheet" href="static/style2.css">
    <link rel="stylesheet" href="static/style3.css">

    <title>Update Record</title>
  </head>

  <body>

    <div class="nav-bar">
      <h2>PATIENT DETAILS</h2>

      <div class="bar">
        <ul>
          <li>
            <a href="add.html"><div class="add">Add Record</div></a>
          </li>
          <li>
            <a href="update.html"><div class="upd">Update Record</div></a>
          </li>
          <li>
            <a href="del.html"><div class="del">Delete Record</div></a>
          </li>
          <li>
            <a href="http://localhost:8080/Project3/view"><div class="view">View Record</div></a>
          </li>
          <li>
            <a href="search.html"><div class="ser">Search Record</div></a>
          </li>
        </ul>
      </div>
    </div>
```

```
<div class = "form-bg">
<br><br><h1>HOSPITAL REGISTRATION FORM</h1>

<form name="form1" method="POST" action="http://localhost:8080/Project3/
UpdRecord">

    <table class="tb">
        <thead>
            <tr>
                <th colspan = "2"> ENTER THE ID OF PATIENT</th>
            </tr>
        </thead>

        <tr>
            <td><label for="pid">ID:</label> </td>
            <td><input type="number" id="pid" name="pid" required></td>
        </tr>

        <tfoot>
            <tr>
                <th><input type="submit" id="submit" value="Submit"></th>
                <th><input type="reset" onclick="resetFunc()"><br><p id="res" clas
s="small"></p></th>
            </tr>
        </tfoot>
    </table>
</form>

</div>

</body>

</html>
```

```
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;
import java.util.*;
import java.sql.*;

public class updateRecord extends HttpServlet{

    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        Connection conn = null;
        Statement stmt = null;

        String JDBC_DRIVER = "class.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String id = request.getParameter("pid");

        out.println("<html><head><meta charset='utf-"
        8'><meta name='viewport' content='width=device-width, initial-scale=1, shrink-"
        to-fit=no'>\"");
        out.println("<title>View Patient Records</title>");
        out.println("<link rel='stylesheet' href='static/style2.css'><link rel='st"
        ylesheet' href='static/style3.css'></head>");
        out.println("<body><div class='nav-"
        bar'><h2>PATIENT DETAILS</h2><div class='bar'><ul><li><a href='http://localhos"
        t:8080/Project3/add.html'><div class='add'>Add Record</div></a></li><li><a href='"
        'http://localhost:8080/Project3/update.html'><div class='upd'>Update Recor"
        d</div></a></li><li><a href='http://localhost:8080/Project3/del.html'><div cla"
        ss='del'>Delete Record</div></a></li><li><a href='http://localhost:8080/Projec"
        t3/view'><div class='vew'>View Record</div></a></li><li><a href='http://localh"
        ost:8080/Project3/search.html'><div class='ser'>Search Record</div></a></li></
        ul></div></div>");

        try{
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL,USER,PASS);
```

```

String search = "SELECT * FROM Patients WHERE Pid="+id;

stmt = conn.createStatement();
ResultSet rs = stmt.executeQuery(search);

rs.next();

out.println("<div class = 'form-
bg'><br><br><h1>HOSPITAL REGISTRATION FORM</h1><form name='form1' method='POS
T' action='http://localhost:8080/Project3/UpdDb'>");

out.println("<table class='tb'><thead><tr><th colspan = '2'> UPDATE PATI
ENT DETAILS</th></tr></thead>");

out.println("<input type='hidden' id='pid' name='pid' value='"+id+">");

out.println("<tr><td><label for='name'>Name:</label> </td><td><input typ
e='text' id='name' name='name' pattern='[a-zA-
Z]{3,225}' value='"+rs.getString("Name")+"' readonly></td></tr>");

out.println("<tr><td><label for='addr'>Address: </label> </td><td><texta
rea type='text' id='addr' name='address' required>" + rs.getString("Addr")+ "</textarea></td></tr>");

out.println("<tr><td><label for='age'>Age: </label> </td><td><input type
='text' id='age' name='age' value='"+rs.getInt("Age")+"' readonly></td></tr>");
;

out.println("<tr><td><label for='gender'>Gender:</label> </td><td><input type
='text' id='gender' name='gender' value='"+rs.getString("Gender")+"' read
only></td></tr>");

out.println("<tr><td><label for='mat'>Marital Status:</label> </td><td><i
nput type='text' id='mat' name='mat' value='"+rs.getString("Mstatus")+"' read
only></td></tr>");

out.println("<tr><td><label for='dov'>Date Of Visit :</label></td><td><i
nput type='date' id='dov' name='dov' value='"+rs.getDate("Dov")+"' required><
/td></tr>");

out.println("<tr><td><label for='phone'>Contact:</label> </td><td><input
type='text' id='phone' name='phone' value='"+rs.getString("Contact")+"'></td>
</tr>");

out.println("<tfoot><tr><th><input type='submit' id='submit' value='Subm
it'></th></tr></tfoot>");
```

```

        out.println("</table>");
        out.println("</form>");
        out.println("</div>");
        out.println("</body>");
        out.println("</html>");

    }

    catch(Exception E)
    {

        E.printStackTrace();

    }

    out.close();

}

}

```

SERVLET CODE: UpdDb.java

[Project3]

```

import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;
import java.util.*;
import java.sql.*;

public class UpdDb extends HttpServlet
{

    public void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
    {

        Connection conn = null;
        Statement stmt = null;

        String JDBC_DRIVER = "class.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

```

```
response.setContentType("text/html");
PrintWriter out = response.getWriter();

int id = Integer.parseInt(request.getParameter("pid"));

try{

conn = DriverManager.getConnection(DB_URL,USER,PASS);

PreparedStatement ps = conn.prepareStatement("UPDATE Patients SET Addr=? , Dov=?, Contact=? WHERE Pid=?");

ps.setString(1, request.getParameter("address"));
ps.setString(2, request.getParameter("dov"));
ps.setString(3, request.getParameter("phone"));
ps.setInt(4, id);

ps.execute();

out.println("<script>");
out.println("alert(\"Patient Details Have Been Updated...\"')");
out.println("location='http://localhost:8080/Project3/view'");
out.println("</script>");

}

catch(Exception E)
{
E.printStackTrace();
}

out.close();
}

}
```

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
dist/css/bootstrap.min.css" integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlIDPvg6uqKI2xXr2" crossorigin=
"anonymous">

    <link rel="stylesheet" href="static/style2.css">
    <link rel="stylesheet" href="static/style3.css">

    <title>Welcome</title>
  </head>

  <body>

    <div class="nav-bar">

      <h2>PATIENT DETAILS</h2>

      <div class="bar">
        <ul>
          <li>
            <a href="add.html"><div class="add">Add Record</div></a>
          </li>
          <li>
            <a href="update.html"><div class="upd">Update Record</div></a>
          </li>
          <li>
            <a href="del.html"><div class="del">Delete Record</div></a>
          </li>
          <li>
            <a href="http://localhost:8080/Project3/view"><div class="vew">View Record</div></a>
          </li>
          <li>
            <a href="search.html"><div class="ser">Search Record</div></a>
          </li>
        </ul>
      </div>
    </div>
```

```
<div class = "form-bg">

<br><br><h1>HOSPITAL REGISTRATION FORM</h1>

<form name="form1" method="POST" action="http://localhost:8080/Project3/
DelRecord">

    <table class="tb">

        <thead>
            <tr>
                <th colspan = "2"> ENTER THE ID OF PATIENT</th>
            </tr>
        </thead>

        <tr>
            <td><label for="pid">ID:</label> </td>
            <td><input type="number" id="pid" name="pid" required></td>
        </tr>

        <tfoot>

            <tr>
                <th><input type="submit" id="submit" value="Submit"></th>
                <th><input type="reset" onclick="resetFunc()"><br><p id="res" clas
s="small"></p></th>
            </tr>

        </tfoot>
    </table>
</form>

</div>

</body>

</html>
```

SERVLET CODE: delRecord.java**[Project3]**

```
import javax.servlet.*;
import javax.servlet.http.*;
import java.util.*;
import java.io.*;
import java.sql.*;

public class delRecord extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

        response.setContentType("text/html");
        PrintWriter pw = response.getWriter();

        int id = Integer.parseInt(request.getParameter("pid"));

        Connection conn = null;
        Statement stmt = null;

        try{
            //Open Connection
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL,USER,PASS);

            PreparedStatement ps= conn.prepareStatement("DELETE FROM Patients WHERE Pid=?");
            ps.setInt(1, id);
            ps.executeUpdate();
            pw.println("<script>");
            pw.println("alert(\"Patient has been Deleted...\"');");
            pw.println("location='http://localhost:8080/Project3/view'");
            pw.println("</script>");
        }
        catch (Exception ex)
        {
            ex.printStackTrace();
        }
        pw.close();
    }
}
```

SERVLET CODE: viewRecords.java

[Project3]

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.util.*;
import java.sql.*;

public class viewRecords extends HttpServlet
{
    public void doGet(HttpServletRequest request, HttpServletResponse response)
throws IOException, ServletException
    {
        PrintWriter out = response.getWriter();
        response.setContentType("text/html");

        out.println("<html><head><meta charset='utf-8'><meta name='viewport' content='width=device-width, initial-scale=1, shrink-to-fit=no'>");
        out.println("<title>View Patient Records</title>");
        out.println("<link rel='stylesheet' href='static/style2.css'>");
        out.println("<link rel='stylesheet' href='static/style3.css'></head>");
        out.println("<body><div class='nav-bar'><h2>PATIENT DETAILS</h2><div class='bar'><ul><li><a href='http://localhost:8080/Project3/add.html'><div class='add'>Add Record</div></a></li><li><a href='http://localhost:8080/Project3/update.html'><div class='upd'>Update Record</div></a></li><li><a href='http://localhost:8080/Project3/del.html'><div class='del'>Delete Record</div></a></li><li><a href='http://localhost:8080/Project3/view'><div class='vew'>View Record</div></a></li><li><a href='http://localhost:8080/Project3/search.html'><div class='ser'>Search Record</div></a></li></ul></div></div>");

        out.println("<div>");

        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

        Connection conn = null;
        Statement stmt = null;
```

```

try
{
    //Open Connection
    Class.forName("com.mysql.jdbc.Driver");
    conn = DriverManager.getConnection(DB_URL,USER,PASS);

    stmt = conn.createStatement();
    ResultSet rs = stmt.executeQuery("select * from Patients");

    out.println("<table border=1 width=50% height=50%>");
    out.println("<tr><th>Patient_ID</th><th>Name</th><th>Age</th><th>Gender</th><th>Address</th><th>Marital_Status</th><th>DOB</th><th>Contact</th></tr>");
);

    while (rs.next())
    {
        String id = rs.getString("Pid");
        String nm = rs.getString("Name");
        int age = rs.getInt("Age");
        String g = rs.getString("Gender");
        String addr = rs.getString("Addr");
        String ms = rs.getString("Mstatus");
        String cn = rs.getString("Contact");
        out.println("<tr><td>" + id + "</td><td>" + nm + "</td><td>" + age
+ "</td><td>" + g + "</td><td>" + addr + "</td><td>" + ms + "</td><td>" + rs.getDate("Dob") + "</td><td>" + cn + "</td></tr>");
    }
    out.println("</table>");
    out.println("</html></body>");
    conn.close();
}

catch(Exception E)
{
    E.printStackTrace();
}

out.close();
}
}

```

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/
dist/css/bootstrap.min.css" integrity="sha384-
TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlIDPvg6uqKI2xXr2" crossorigin=
"anonymous">

    <link rel="stylesheet" href="static/style2.css">
    <link rel="stylesheet" href="static/style3.css">

    <title>Welcome</title>
  </head>

  <body>

    <div class="nav-bar">
      <h2>PATIENT DETAILS</h2>

      <div class="bar">
        <ul>
          <li>
            <a href="add.html"><div class="add">Add Record</div></a>
          </li>
          <li>
            <a href="update.html"><div class="upd">Update Record</div></a>
          </li>
          <li>
            <a href="del.html"><div class="del">Delete Record</div></a>
          </li>
          <li>
            <a href="http://localhost:8080/Project3/view"><div class="vew">View
Record</div></a>
          </li>
          <li>
            <a href="search.html"><div class="ser">Search Record</div></a>
          </li>
        </ul>
      </div>
    </div>
```

```
<div class = "form-bg">

<br><br><h1>HOSPITAL REGISTRATION FORM</h1>

<form name="form1" method="POST" action="http://localhost:8080/Project3/
SearchRecord">

<table class="tb">

    <thead>
        <tr>
            <th colspan = "2"> ENTER THE ID OF PATIENT</th>
        </tr>
    </thead>

    <tr>
        <td><label for="pid">ID:</label> </td>
        <td><input type="number" id="pid" name="pid" required></td>
    </tr>

    <tfoot>
        <tr>
            <th><input type="submit" id="submit" value="Submit"></th>
            <th><input type="reset" onclick="resetFunc()"><br><p id="res" clas
s="small"></p></th>
        </tr>
    </tfoot>
</table>
</form>
</div>

</body>

</html>
```

SERVLET CODE: searchRecord.java

[Project3]

```
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.*;
import java.util.*;
import java.sql.*;

public class searchRecord extends HttpServlet{

    public void doPost (HttpServletRequest request, HttpServletResponse response
) throws ServletException, IOException {

        String JDBC_DRIVER = "com.mysql.jdbc.Driver";
        String DB_URL = "jdbc:mysql://localhost:3306/pat";

        String USER = "root";
        String PASS = "Sharan0276!";

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        out.println("<html><head><meta charset='utf-
8'><meta name='viewport' content='width=device-width, initial-scale=1, shrink-
to-fit=no'>");
        out.println("<title>View Patient Records</title>");
        out.println("<link rel='stylesheet' href='static/style2.css'><link rel='st
ylesheet' href='static/style3.css'></head>");
        out.println("<body><div class='nav-
bar'><h2>PATIENT DETAILS</h2><div class='bar'><ul><li><a href='http://localhos
t:8080/Project3/add.html'><div class='add'>Add Record</div></a></li><li><a href='http://localhost:8080/Project3/update.html'><div class='upd'>Update Record</div></a></li><li><a href='http://localhost:8080/Project3/del.html'><div class
='del'>Delete Record</div></a></li><li><a href='http://localhost:8080/Project3
/view'><div class='vew'>View Record</div></a></li><li><a href='http://localhost:8080/Project3
/search.html'><div class='ser'>Search Record</div></a></li></ul>
</div></body></html>");
        String id = request.getParameter("pid");

        Connection conn = null;

        try{
            // Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL,USER,PASS);
```

```

String search = "SELECT * FROM Patients WHERE Pid="+id;
Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery(search);

rs.next();

out.println("<table><tr><th colspan = 2>PATIENT DETAILS</th></tr>");

out.println("<tr><td>NAME</td><td>" + rs.getString("NAME") + "</td></tr>");

out.println("<tr><td>ADDRESS</td><td>" + rs.getString("Addr") + "</td></tr>");

out.println("<tr><td>AGE</td><td>" + rs.getInt("Age") + "</td></tr>");

out.println("<tr><td>GENDER</td><td>" + rs.getString("Gender") + "</td></tr>");

out.println("<tr><td>MARITAL STATUS</td><td>" + rs.getString("Mstatus") + "</td></tr>");

out.println("<tr><td>DATE OF VISIT</td><td>" + rs.getString("Dov") + "</td></tr>");

out.println("<tr><td>CONTACT</td><td>" + rs.getString("Contact") + "</td></tr>");

out.println("</table>");
out.println("</body></html>");

}

catch(Exception E)
{
    E.printStackTrace();
}

out.close();

}

```

XML CODE: web.xml

[Project3\WEB-INF]

```
<web-app>

<servlet>
<servlet-name>AddRecord</servlet-name>
<servlet-class>addRecord</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>AddRecord</servlet-name>
<url-pattern>/AddRecord</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>UpdRecord</servlet-name>
<servlet-class>updateRecord</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>UpdRecord</servlet-name>
<url-pattern>/UpdRecord</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>UpdDatabase</servlet-name>
<servlet-class>UpdB</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>UpdDatabase</servlet-name>
<url-pattern>/UpdB</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>DelRecord</servlet-name>
<servlet-class>delRecord</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>DelRecord</servlet-name>
<url-pattern>/DelRecord</url-pattern>
</servlet-mapping>
```

```

<servlet>
<servlet-name>ViewRecords</servlet-name>
<servlet-class>viewRecords</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>ViewRecords</servlet-name>
<url-pattern>/view</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>SerRecord</servlet-name>
<servlet-class>searchRecord</servlet-class>
</servlet>

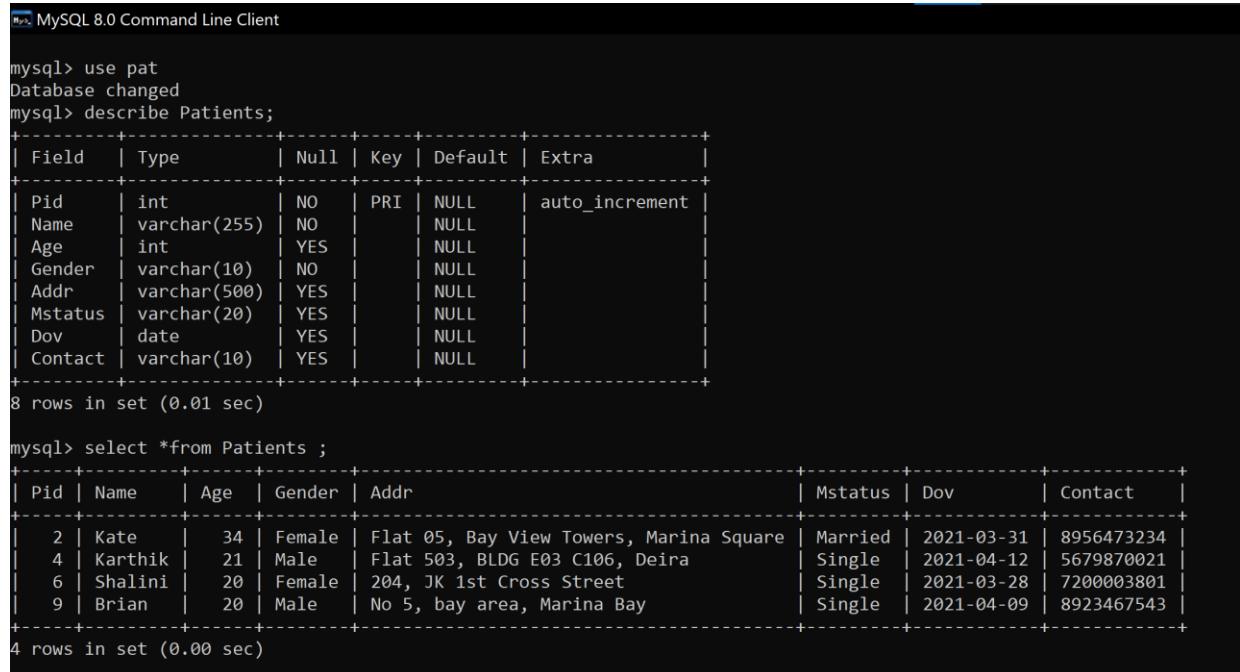
<servlet-mapping>
<servlet-name>SerRecord</servlet-name>
<url-pattern>/SearchRecord</url-pattern>
</servlet-mapping>

</web-app>

```

SNAPSHOTS:

TABLE SCHEMA AND THE INITIAL SET OF RECORDS:



The screenshot shows the MySQL 8.0 Command Line Client interface. The command line shows the following SQL queries and their results:

```

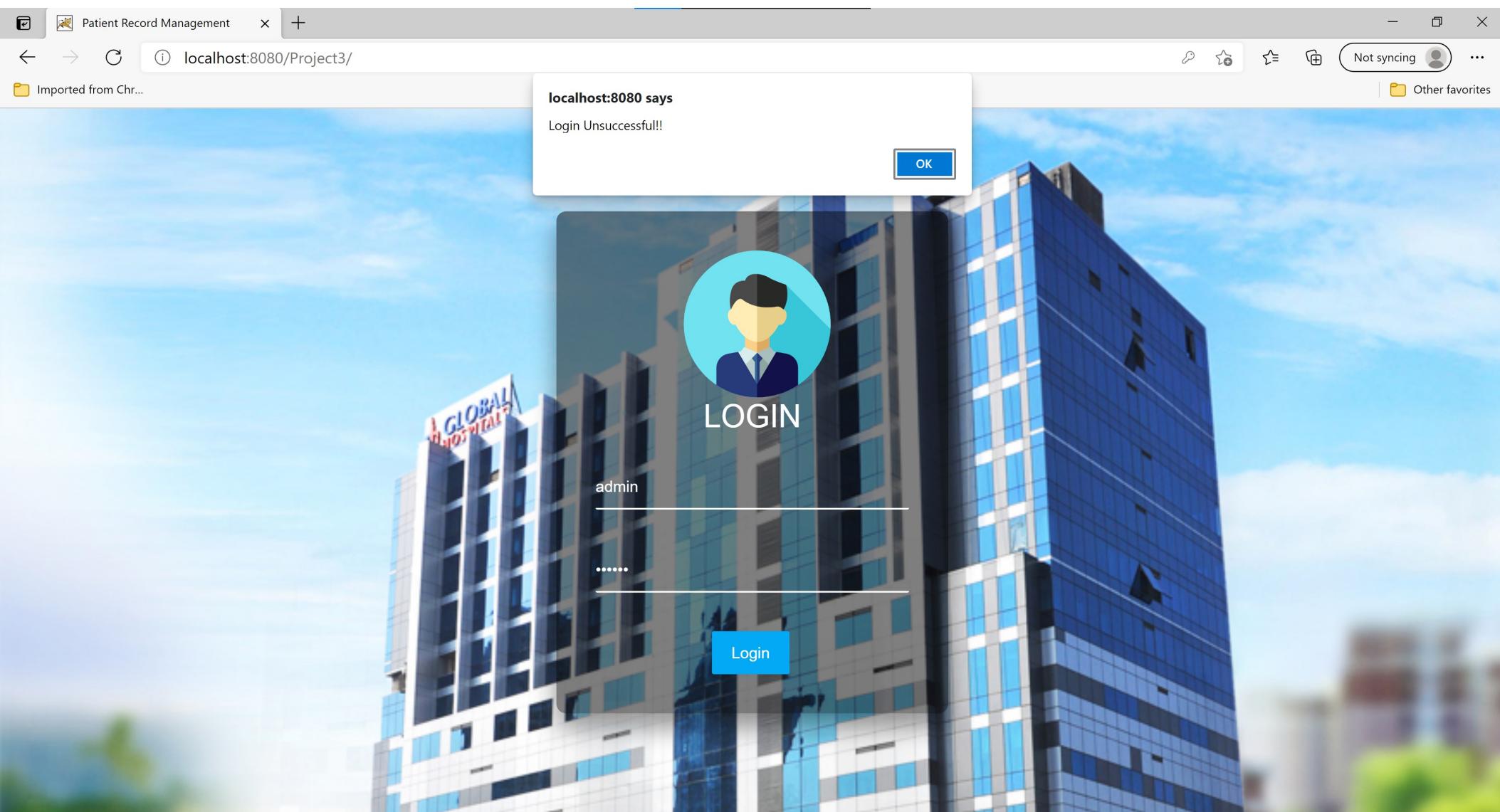
MySQL 8.0 Command Line Client

mysql> use pat
Database changed
mysql> describe Patients;
+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra       |
+-----+-----+-----+-----+-----+
| Pid   | int    | NO   | PRI | NULL    | auto_increment |
| Name  | varchar(255) | NO  |     | NULL    |              |
| Age   | int    | YES  |     | NULL    |              |
| Gender | varchar(10) | NO  |     | NULL    |              |
| Addr  | varchar(500) | YES |     | NULL    |              |
| Mstatus | varchar(20) | YES |     | NULL    |              |
| Dov   | date   | YES  |     | NULL    |              |
| Contact | varchar(10) | YES |     | NULL    |              |
+-----+-----+-----+-----+-----+
8 rows in set (0.01 sec)

mysql> select *from Patients ;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Pid | Name  | Age  | Gender | Addr          | Mstatus | Dov      | Contact |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 2  | Kate   | 34   | Female | Flat 05, Bay View Towers, Marina Square | Married | 2021-03-31 | 8956473234 |
| 4  | Karthik | 21   | Male   | Flat 503, BLDG E03 C106, Deira           | Single  | 2021-04-12 | 5679870021 |
| 6  | Shalini | 20   | Female | 204, JK 1st Cross Street                  | Single  | 2021-03-28 | 7200003801 |
| 9  | Brian   | 20   | Male   | No 5, bay area, Marina Bay                | Single  | 2021-04-09 | 8923467543 |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

1. *A Failed Login*
2. *Administrator Homepage. (Successful Login)*
3. *Adding a new Record to the Patient Database (Patient name : Ahmed)*
4. *Alert that displays the Patient has been added to the database*
5. *The View Record Page displays Ahmed as the new record added to the Database.*
6. *Search for Patient.*
7. *Details of the Searched Patient.*
8. *Deleting a Patient (Patient: Ahmed).*
9. *Alert displays that Patient has been deleted.*
10. *The updated Database without patient that has been recently deleted.*
11. *Updating a Patients record with id = 2.*
12. *Details of the Patient are displayed, The Admin can update the address, phone number and date of visit.*
13. *Alert displays the Patient Details has been updated.*
14. *View Record shows the Patients updated record.*



PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

WELCOME ADMIN

PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

HOSPITAL REGISTRATION FORM

REGISTER WITH US

Name:

Ahmed

Address:

Flat 1204, JLT, Marina Bay

Age:

34

Gender: Male Female Other**Marital Status:**

Married

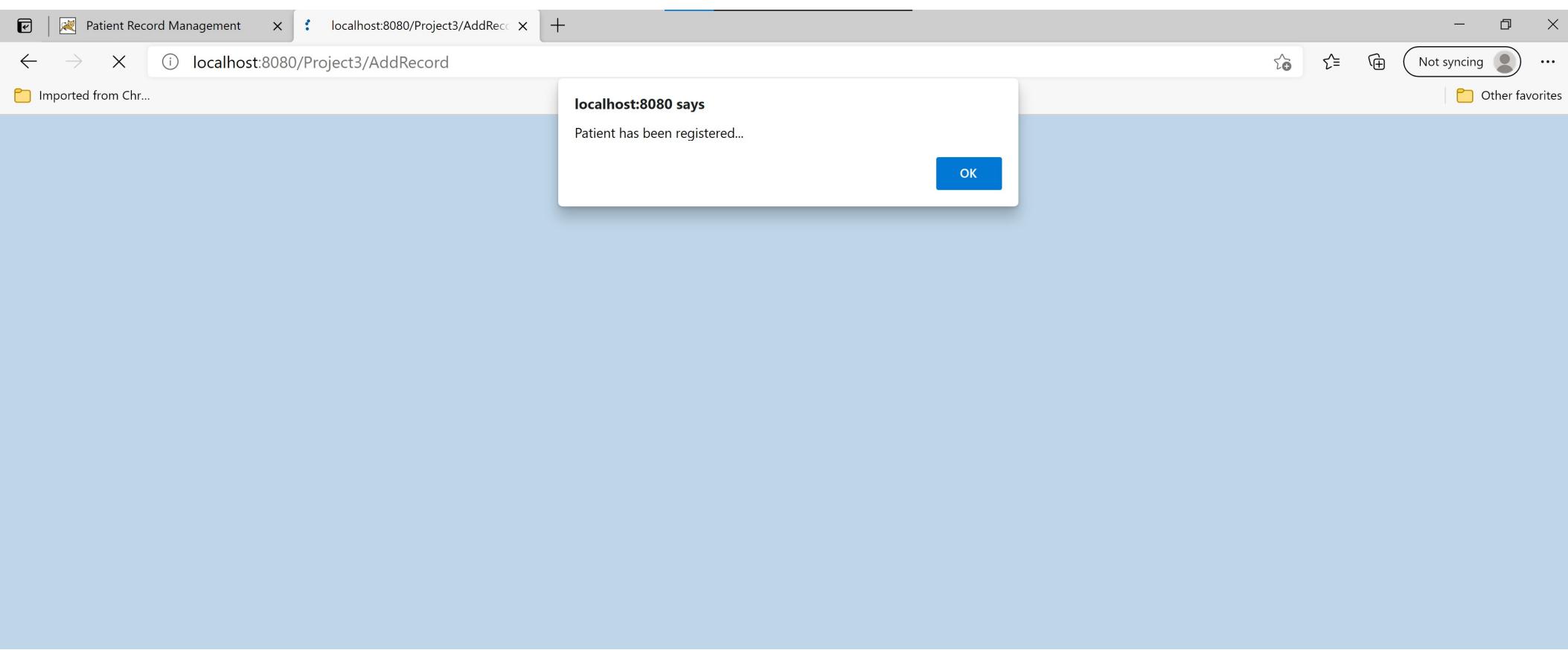
Date Of Visit :

04/09/2021

**Phone Number:**

9870876545

[Submit](#)[Reset](#)



PATIENT DETAILS

[Add Record](#)
[Update Record](#)
[Delete Record](#)
[View Record](#)
[Search Record](#)

Patient_ID	Name	Age	Gender	Address	Marital_Status	DOV	Contact
2	Kate	34	Female	Flat 05, Bay View Towers, Marina Square	Married	2021- 03-31	8956473234
4	Karthik	21	Male	Flat 503, BLDG E03 C106, Deira	Single	2021- 04-12	5679870021
6	Shalini	20	Female	204, JK 1st Cross Street	Single	2021- 03-28	7200003801
9	Brian	20	Male	No 5, bay area, Marina Bay	Single	2021- 04-09	8923467543
11	Ahmed	34	Male	Flat 1204, JLT, Marina Bay	Married	2021- 04-09	9870876545

PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

HOSPITAL REGISTRATION FORM

ENTER THE ID OF PATIENT

ID:

4

SubmitReset

PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

PATIENT DETAILS

NAME	Karthik
ADDRESS	Flat 503, BLDG E03 C106, Deira
AGE	21
GENDER	Male
MARITAL STATUS	Single
DATE OF VISIT	2021-04-12
CONTACT	5679870021

PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

HOSPITAL REGISTRATION FORM

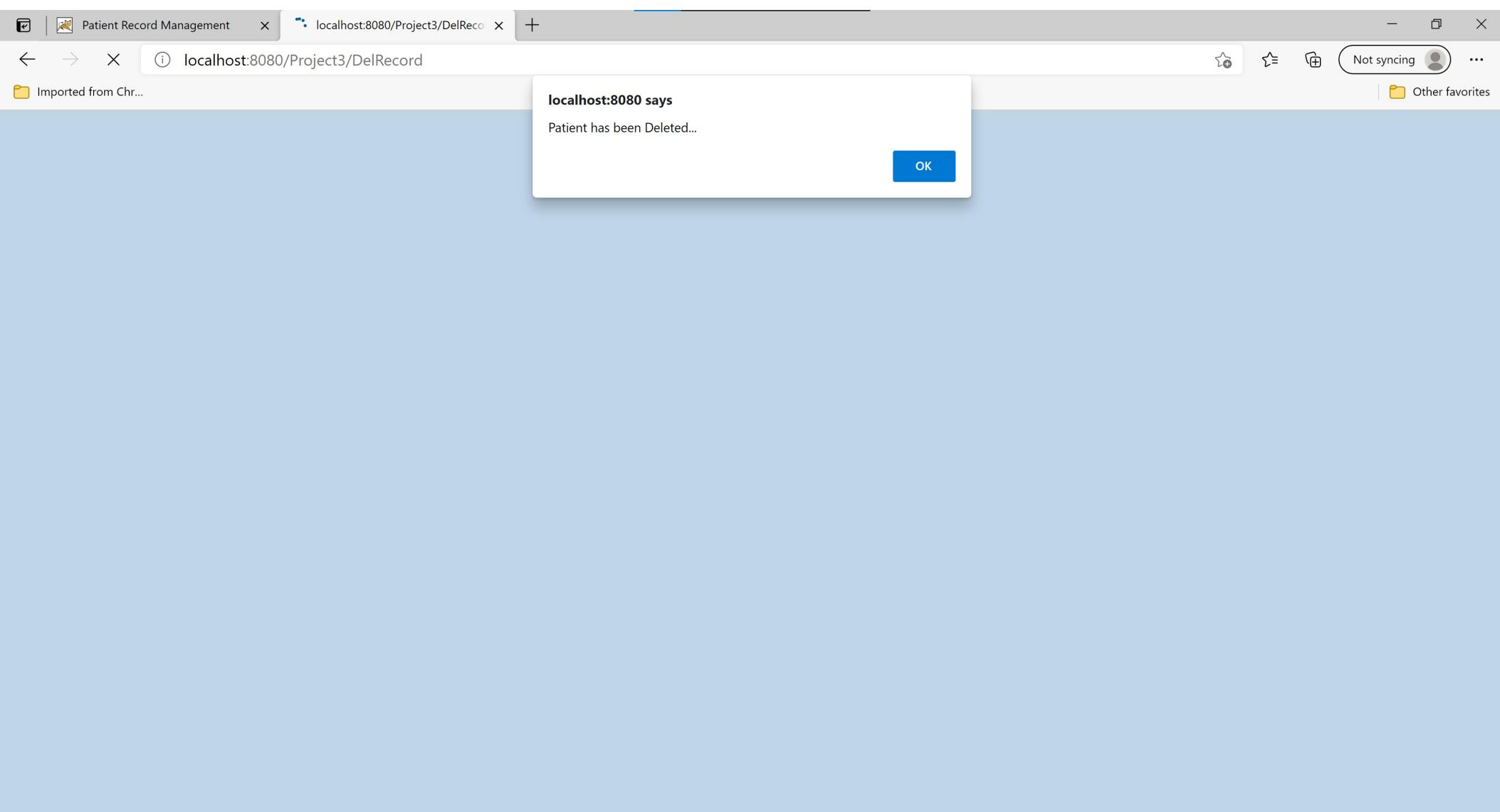
ENTER THE ID OF PATIENT

ID:

11

Submit

Reset



PATIENT DETAILS

[Add Record](#)
[Update Record](#)
[Delete Record](#)
[View Record](#)
[Search Record](#)

Patient_ID	Name	Age	Gender	Address	Marital_Status	DOV	Contact
2	Kate	34	Female	Flat 05, Bay View Towers, Marina Square	Married	2021- 03-31	8956473234
4	Karthik	21	Male	Flat 503, BLDG E03 C106, Deira	Single	2021- 04-12	5679870021
6	Shalini	20	Female	204, JK 1st Cross Street	Single	2021- 03-28	7200003801
9	Brian	20	Male	No 5, bay area, Marina Bay	Single	2021- 04-09	8923467543

PATIENT DETAILS

[Add Record](#)[Update Record](#)[Delete Record](#)[View Record](#)[Search Record](#)

HOSPITAL REGISTRATION FORM

ENTER THE ID OF PATIENT

ID:

2

SubmitReset

PATIENT DETAILS

Add Record | Update Record | Delete Record | View Record | Search Record

HOSPITAL REGISTRATION FORM

UPDATE PATIENT DETAILS

Name:

Kate

Address:

Flat 603, Jumeirah Towers,
Downtown

Age:

34

Gender:

Female

Marital Status:

Married

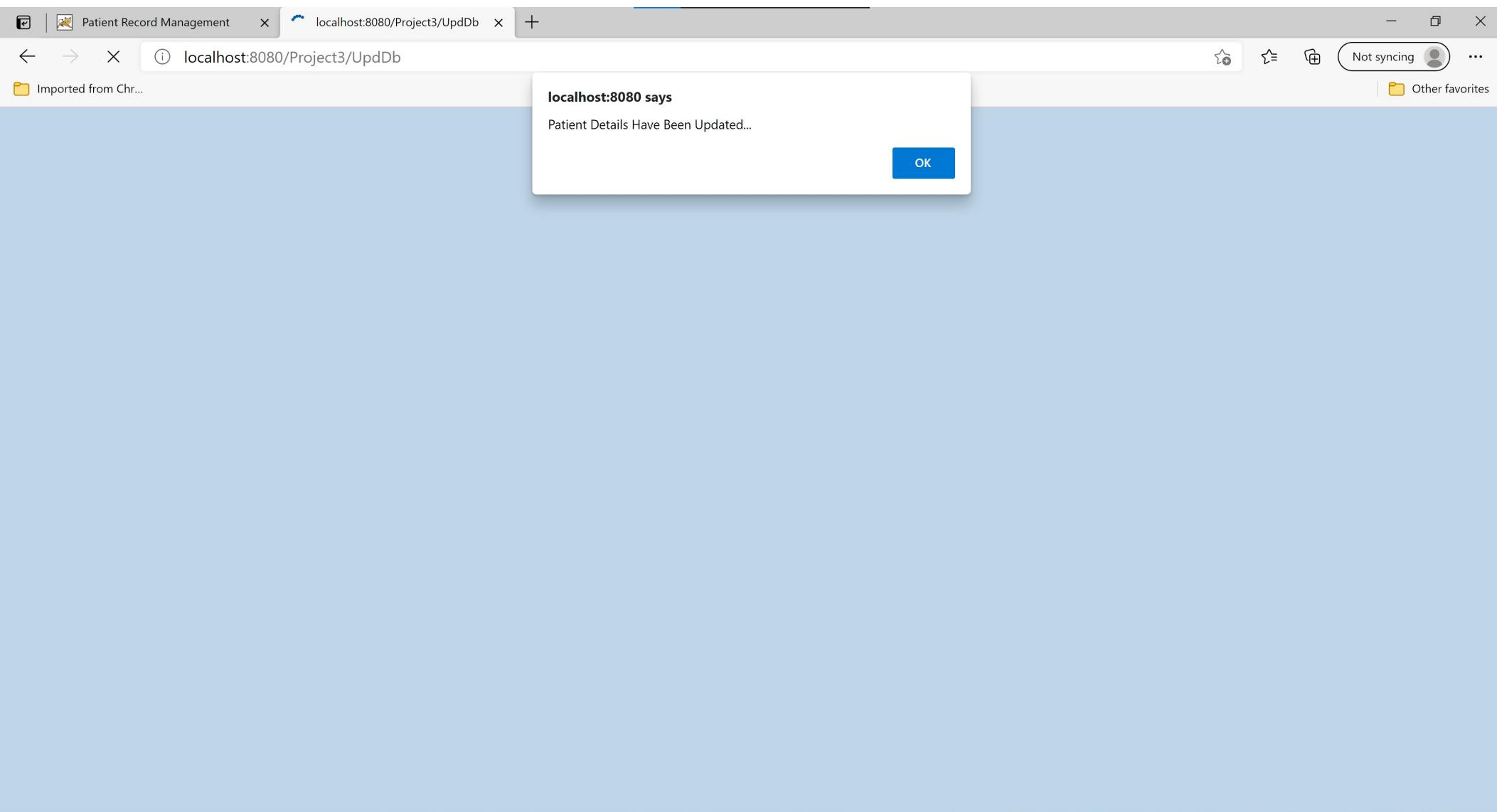
Date Of Visit :

03/29/2021 

Contact:

7654923451

Submit



PATIENT DETAILS

[Add Record](#)
[Update Record](#)
[Delete Record](#)
[View Record](#)
[Search Record](#)

Patient_ID	Name	Age	Gender	Address	Marital_Status	DOV	Contact
2	Kate	34	Female	Flat 603, Jumeirah Towers, Downtown	Married	2021- 03-29	7654923451
4	Karthik	21	Male	Flat 503, BLDG E03 C106, Deira	Single	2021- 04-12	5679870021
6	Shalini	20	Female	204, JK 1st Cross Street	Single	2021- 03-28	7200003801
9	Brian	20	Male	No 5, bay area, Marina Bay	Single	2021- 04-09	8923467543

RECORDS IN PATIENTS TABLE AT END OF ALL OPERATIONS:

```
mysql> select * from Patients;
+----+-----+-----+-----+-----+-----+-----+-----+
| Pid | Name  | Age   | Gender | Addr            | Mstatus | Dov    | Contact |
+----+-----+-----+-----+-----+-----+-----+-----+
| 2  | Kate   | 34    | Female | Flat 603, Jumeirah Towers, Downtown | Married | 2021-03-29 | 7654923451 |
| 4  | Karthik | 21    | Male   | Flat 503, BLDG E03 C106, Deira        | Single  | 2021-04-12 | 5679870021 |
| 6  | Shalini | 20    | Female | 204, JK 1st Cross Street              | Single  | 2021-03-28 | 7200003801 |
| 9  | Brian   | 20    | Male   | No 5, bay area, Marina Bay           | Single  | 2021-04-09 | 8923467543 |
+----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

LEARNING OBJECTIVES:

1. *From this assignment, I had learnt to create a servlet.*
2. *I was able to handle the request from the client and generate an appropriate response for it.*
3. *I learnt that servlets are an interface and it can be deployed on the server on create a dynamic web page*
4. *The second part of the assignment helped me to handle multiple servlets.*
5. *I was able to manipulate the Patient Records in mysql , using the PreparedStatement and Statement calls.*
6. *Similarly, I was able to retrieve data from the Patient Data Base in mysql and display them in a readable format on HTTP page using the servlet response object.*

Overall, I have learnt to create dynamic webpages using Java Servlets and to add, modify and view records from a database, based on the input given by the user.
