

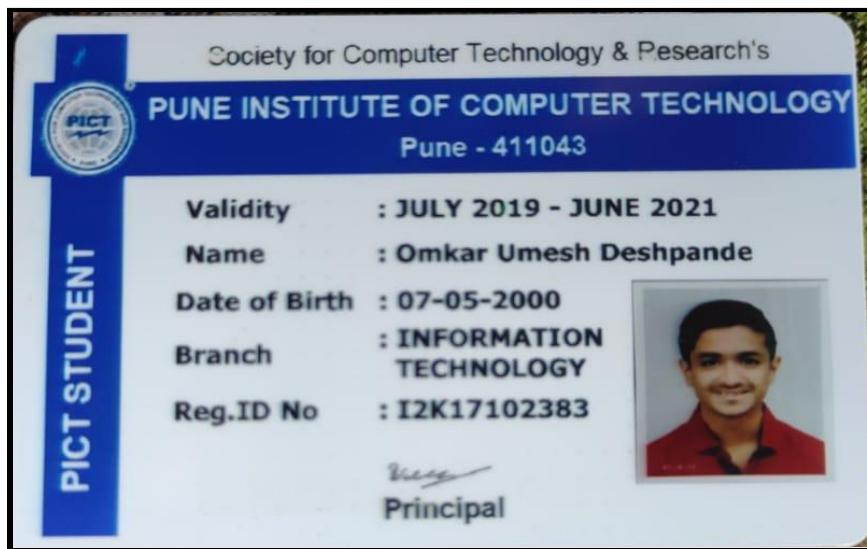
ASSIGNMENT 6

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Class - BE 10

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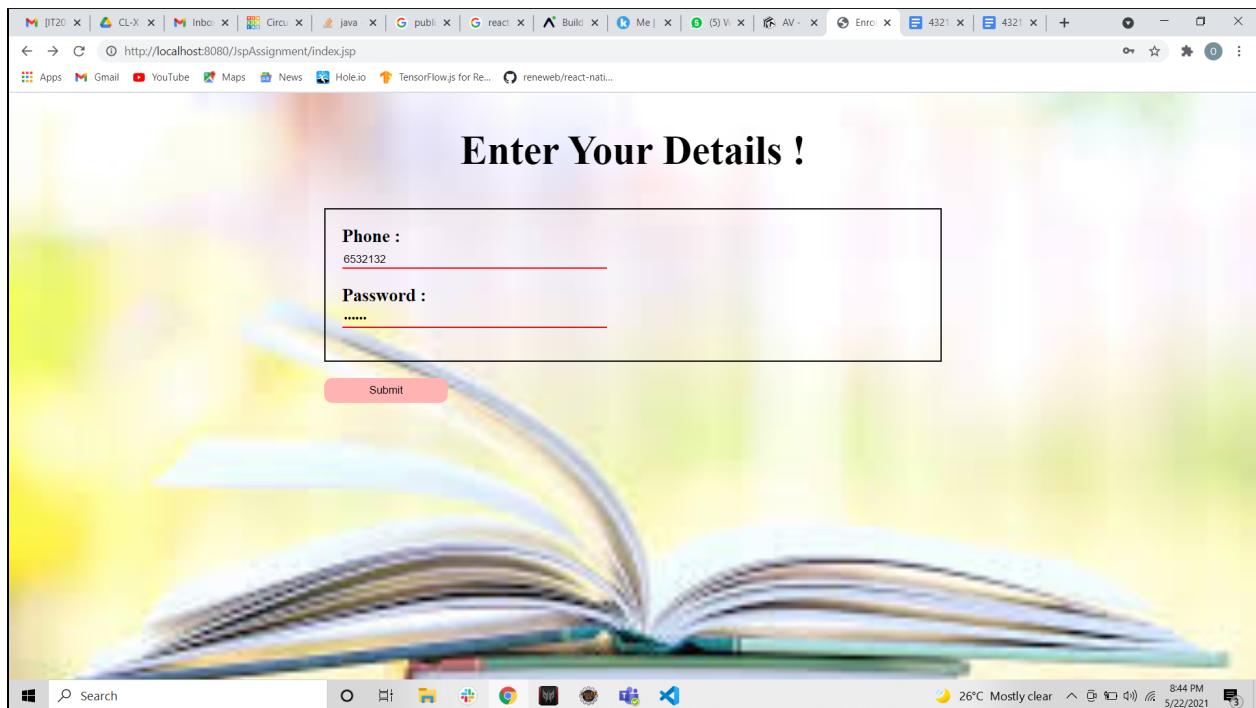
Batch - Q10



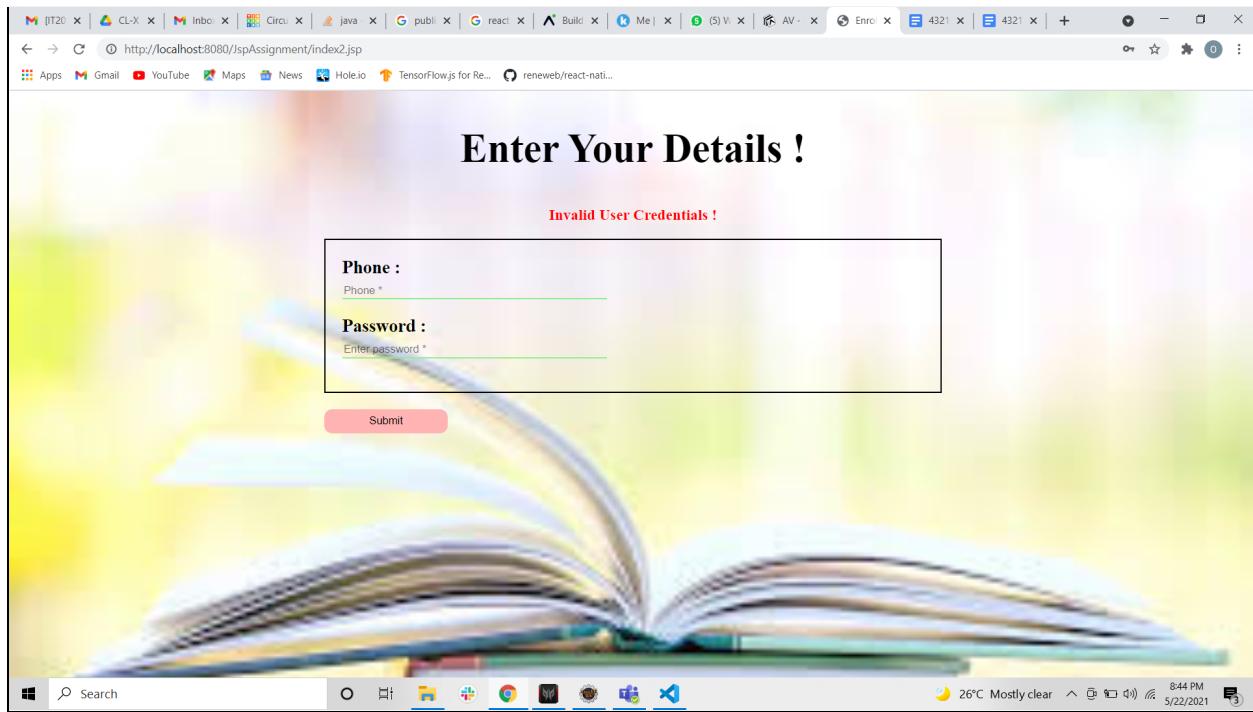
Problem Statement - Understand JSP and servlet life cycle. Create a login page and apply proper validations with appropriate messages using doGet() / doPost() methods.

OUTPUT -

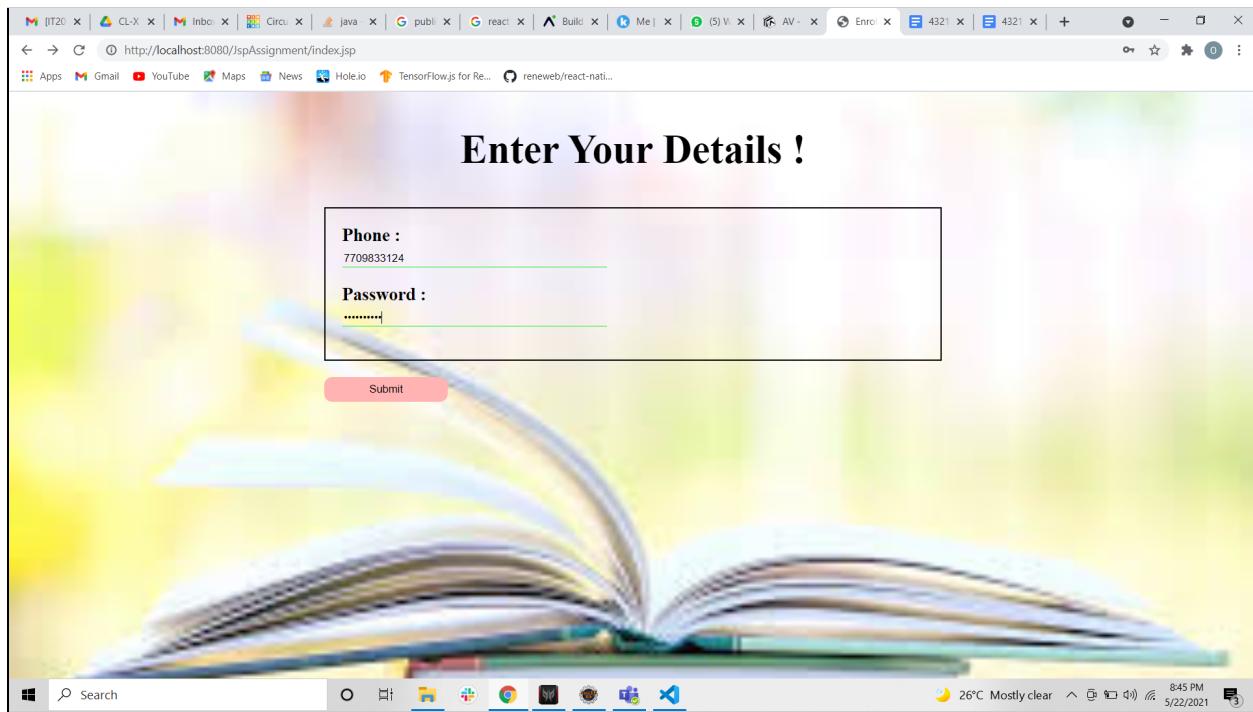
1. The website lands on a login page, where you have to enter your phone number and password.
2. If the phone and password are not according to rules, the line will be red.
3. The passwords and phone numbers are cross checked in mysql database.



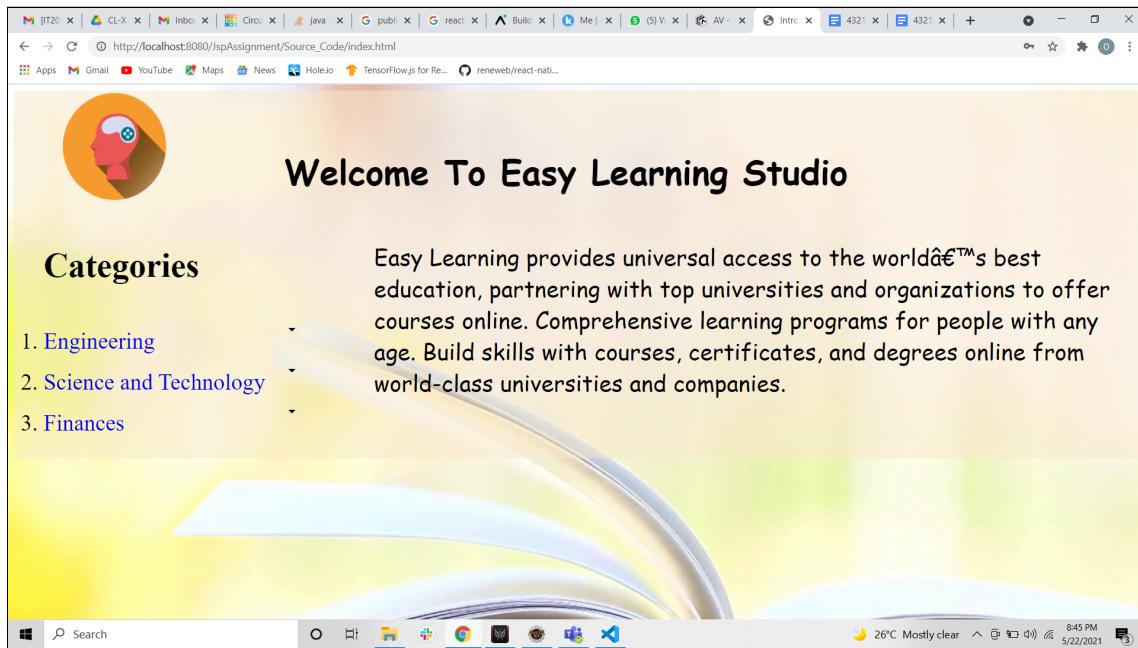
4. If you entered credentials that are not in mysql database, it will show you “wrong credentials !”.



5. If your phone and passwords are according to rules, you the bottom line will be green.



6. If your entered credentials happened to be in the database, you will proceed to use the website, otherwise you will be prompted “wrong credentials”.



7. You can see the successful and unsuccessful access logs in server console.

A screenshot of the Eclipse IDE interface, specifically the "Console" view. The title bar says "eclipse-workspace - http://localhost:8080/JspAssignment/ - Eclipse IDE". The console window displays log messages from the Apache Tomcat server. The log shows the deployment of the application at 8:45:43 PM on May 22, 2021. It includes standard startup logs for Catalina and the application itself, along with several error messages related to missing libraries and configuration files. One notable error message is "SEVERE: Unable to find config file. Creating new servlet engine config file: /WEB-INF/server-config.wsdd". Another message indicates that "Attachment support is disabled". The log concludes with the start of the ProtocolHandler at 8:45:49 PM.

CODE -

Login.java

```
package com.assi5;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.login.Dao.LoginDao;

/**
 * Servlet implementation class Login
 */
@WebServlet("/Login")
public class Login extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Login() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
     * response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        // TODO Auto-generated method stub
        String uname = request.getParameter("uname");
        String pass = request.getParameter("pass");
        LoginDao dao = new LoginDao();
        if(dao.check(request, uname, pass))
        {
            HttpSession session = request.getSession();
            session.setAttribute("username",uname);
            response.sendRedirect("./Source_Code/index.html");
        }
    }
}
```

```
        }
    else
    {
        response.sendRedirect("index2.jsp");
    }
}
```

LoginDao.java

```
package com.login.Dao;
import java.sql.*;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;

public class LoginDao {
    String sql1 = "select * from login where phone=? and password=?";
    String url = "jdbc:mysql://localhost:3306/assignment_login";
    String username = "root";
    String password = "123456";
    private Connection con;
    public boolean check(HttpServletRequest request, String uname, String pass)
    {

        try {

            Class.forName("com.mysql.cj.jdbc.Driver").newInstance();
            con = DriverManager.getConnection(url,username,password);
            System.out.println("reaching mysql");
            PreparedStatement st = con.prepareStatement(sql1);
            st.setString(1, uname);
            st.setString(2, pass);
            System.out.println("connecting...");
            ResultSet rs = st.executeQuery();
            while(rs.next())
            {
                System.out.println("user found !");
                HttpSession session = request.getSession();
                session.setAttribute("fname",rs.getString(2));
                session.setAttribute("lname",rs.getString(3));
                return true;
            }
        }
```

```
        System.out.println("no user");
    } catch (Exception e) {
        e.printStackTrace();
    }
    return false;
}

}
```

Index.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
    <head>
        <title>Enrollment Form</title>
        <style type="text/css">
            input {
                width: 45%;
                margin-bottom: 20px;
                margin-top: 7px;
                background: transparent;
                border: none;
                color: black;
                border-bottom: 2px solid lightgreen;
            }

            input:hover {
                transition: 0.2s;
                border-bottom: 2px solid black;
            }

            button {
                width: 20%;
                background-color: #ffb3b3;
                color: black;
                height: 30px;
                border-radius: 10px;
                border: none;
            }

            input[type="submit"] {
                width: 20%;
                background-color: #ffb3b3;
                color: black;
            }
        </style>
    </head>
    <body>
        <form action="processForm.jsp" method="post">
            <label>First Name:</label>
            <input type="text" name="firstName" />
            <br>
            <label>Last Name:</label>
            <input type="text" name="lastName" />
            <br>
            <label>Email:</label>
            <input type="text" name="email" />
            <br>
            <label>Phone:</label>
            <input type="text" name="phone" />
            <br>
            <label>Address:</label>
            <input type="text" name="address" />
            <br>
            <label>City:</label>
            <input type="text" name="city" />
            <br>
            <label>State:</label>
            <input type="text" name="state" />
            <br>
            <label>Zip:</label>
            <input type="text" name="zip" />
            <br>
            <label>Gender:</label>
            <input type="radio" name="gender" value="Male"/> Male
            <input type="radio" name="gender" value="Female"/> Female
            <br>
            <label>Age:</label>
            <input type="text" name="age" />
            <br>
            <label>Interests:</label>
            <input type="checkbox" name="interests" value="Sports"/> Sports
            <input type="checkbox" name="interests" value="Music"/> Music
            <input type="checkbox" name="interests" value="Gardening"/> Gardening
            <input type="checkbox" name="interests" value="Reading"/> Reading
            <br>
            <label>Comments:</label>
            <input type="text" name="comments" />
            <br>
            <input type="submit" value="Submit" />
        </form>
    </body>
</html>
```

```
height: 30px;
border-radius: 10px;
border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
-webkit-appearance: none;
margin: 0;
}

input[type="submit"]:hover {
background-color: green;
transition: 0.2s;
}

input[type="radio"] {
width: 5%;
}

select {
width: 20%;
padding-left: 8%;
}

label {
margin-top: 9px;
font-weight: bold;
font-size: 22px;
color: black;
}

::placeholder {
color: black;
opacity: 0.6;
}

input:focus,
select:focus,
textarea:focus,
button:focus {
outline: none;
}

input[title]:hover {
font-style: italic;
color: red;
}

</style>
</head>
```

```
<style type="text/css">
input {
    width: 45%;
    margin-bottom: 20px;
    margin-top: 7px;
    background: transparent;
    border: none;
    color: black;
    border-bottom: 2px solid lightgreen;
}

input:hover {
    transition: 0.2s;
    border-bottom: 2px solid black;
}

button {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="submit"] {
    width: 20%;
    background-color: #ffb3b3;
    color: black;
    height: 30px;
    border-radius: 10px;
    border: none;
}

input[type="date"]::-webkit-inner-spin-button,
input[type="number"]::-webkit-outer-spin-button {
    -webkit-appearance: none;
    margin: 0;
}

input[type="submit"]:hover {
    background-color: green;
    transition: 0.2s;
}

input[type="radio"] {
    width: 5%;
}

select {
```

```
width: 20%;  
padding-left: 8%;  
}  
  
label {  
margin-top: 9px;  
font-weight: bold;  
font-size: 22px;  
color: black;  
}  
  
::placeholder {  
color: black;  
opacity: 0.6;  
}  
  
input:focus,  
select:focus,  
textarea:focus,  
button:focus {  
outline: none;  
}  
/></style>  
  
<body style="background-image: url(./Source_Code/assets/bg4.jpg); background-size:  
cover">  
  <h2 style="color: black; font-size: 50px" align="center">  
    Enter Your Details !  
  </h2>  
  <div style="margin-left: 25%; width: 50%">  
    <form method="GET" action="Login">  
      <div style="border: 2px solid black; padding: 20px">  
        <label for="uname">Phone : </label><br />  
        <input  
          maxlength="20"  
          ondblclick="return newfunc(this);"  
          autocomplete="off"  
          placeholder="Phone **"  
          type="text"  
          id="uname"  
          name="uname"  
        /><br />  
  
        <label for="password">Password : </label><br />  
        <input  
          maxlength="15"  
          ondblclick="return newfunc(this);"  
          autocomplete="off"  
          placeholder="Enter password **"  
          type="password"  
        />  
      </div>  
    </form>  
  </div>  
</body>
```

```
        id="pass"
        name="pass"
    /><br />
</div>

<button
    class="prevbtn"
    style="margin-top: 20px"
    id="submitbtn"
    type="submit"
    name="submit"
>
    Submit
</button>
</form>
</div>

<script>

document.getElementById("submitbtn").onclick = function () {
    if (document.getElementById("uname").value == "") {
        alert("Please insert phone !");

        return false;
    } else if (document.getElementById("pass").value == "") {
        alert("Please insert password !");
        return false;
    }
};

document.getElementById("pass").onkeyup = function () {
    var reg = /^(?=.*[0-9])(?=.*[@#$%^&*])[a-zA-Z0-9!@#$%^&*]{8,15}$/;

    if (reg.test(this.value) == false) {
        this.style.borderBottom = "2px solid red";
        //playAudio();
        return false;
    }
    this.style.borderBottom = "2px solid lightgreen";

    return true;
};

document.getElementById("uname").onkeyup = function () {
    var reg = /\d{10}\$/;

    if (reg.test(this.value) == false) {
        this.style.borderBottom = "2px solid red";
        //playAudio();
    }
}
```

```
    return false;
}
this.style.borderBottom = "2px solid lightgreen";
return true;
};

</script>
</body>
</html>
```