**Phase – II**

**Practice Project – I**

**Validation of the User Login**

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**Index.html:**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Login Page</title>

<style>

**body**{

background-color: *black*;

color: *White*;

}

**h1**{

color:*Orange*;

}

*.frm*{

background-color: *black*;

display:*flex*;

justify-content: *center*;

top: *50%*;

left: *50%*;}

*#btn*{

justify-content:*center*;

background-color:*orange*;

color:*white*;

}

</style>

</head>

<body>

<center>

<h1>Login Form</h1>

</center>

<div class = *"frm"*>

<form action = *"Login"*>

<label for=*"uname"*>User Name</label><br>

<input type = *"text"* id=*"uname"* name = *"userName"* placeholder = *"Enter UserName"*><br><br/>

<label for=*"pass"*>Password</label><br>

<input type=*"password"* id=*"pass"* name=*"userPassword"* placeholder=*"Enter Password"*><br>

<br/>

<center>

<input type = *"submit"* id=*"btn"* value = *"SUBMIT"*>

</center>

</form>

</div>

</body>

</html>

**Servlet:**

**Login:**

package Servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;

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;

@WebServlet("/Login")

public class Login extends HttpServlet {

/\*\*

\*

\*/

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// Set the content type

response.setContentType("text/html");

// Get the writer

PrintWriter out = response.getWriter();

// Get the userName from the request

String uName = request.getParameter("userName");

String userPassword = request.getParameter("userPassword");

// Get a reference to the HttpSession object

HttpSession theSession = request.getSession();

// Validate the username

if(uName.equalsIgnoreCase("saikrishna") && userPassword.trim().equals("Admin@123")) {

// Save the username in the session

theSession.setAttribute("userName", uName);

theSession.setAttribute("userPassword", userPassword);

// Redirect to the Dashboard

response.sendRedirect("dashboard");

}

else {

out.println("<center><font color='red'>Invalid username or password !!!</font></center>");

RequestDispatcher dispatcher = request.getRequestDispatcher("index.html");

dispatcher.include(request, response);

}

}

}

**Dashboard:**

package Servlet;

import java.io.IOException;

import java.io.PrintWriter;

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;

@WebServlet("/dashboard")

public class Dashboard extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

HttpSession session = request.getSession();

PrintWriter out = response.getWriter();

// Check whether the session already exists

if (session.getAttribute("userName") != null) {

out.println("<body style='background-color:Black; color:white;'><center>");

out.println("<br/><br/><br/>");

Object a = session.getAttribute("userName");

String b = a.toString();

out.println("<h3>Welcome, " + b.toUpperCase() );

out.println("<br/>");

out.println("<br> Logged In Successfully!.</h3>");

out.println("<br/><br/>");

out.println("<a href='logout'><button style='background-color:Orange; color:white;'>LOGOUT</button></a>");

out.print("</center></body>");

}

else {

response.sendRedirect("index.html");

}

}

}

**Logout:**

package Servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet("/logout")

public class Logout extends HttpServlet {

/\*\*

\*

\*/

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

request.getSession().invalidate();

out.println("<body style='background-color:Black; color:white;'> <center>");

out.println("<br/><br/><br/>");

out.println("<h2>User Logged Out Successfully.</h2>");

out.println("<br/><br/>");

out.println("<a href='index.html' ><button style='background-color:orange; color:white;'>Login again</button></a>");

out.println("</center></body>");

}

}

**Web.XML**

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd" id="WebApp\_ID" version="4.0">

<display-name>p1\_LoginValidation</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>login</servlet-name>

<servlet-class>Login</servlet-class>

</servlet>

<servlet>

<servlet-name>welcome</servlet-name>

<servlet-class>Welcome</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>login</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>welcome</servlet-name>

<url-pattern>/Welcome</url-pattern>

</servlet-mapping>

</web-app>