LoginServlet.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import jakarta.servlet.http.HttpSession;

import java.io.IOException;

/\*\*

\* Servlet implementation class LoginServlet

\*/

*@WebServlet*("/LoginServlet")

public class LoginServlet extends HttpServlet {

private static final long ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

public LoginServlet() {

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

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

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

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

// Simulated user validation: In a real application, validate against a database

if ("admin".equals(username) && "password".equals(password)) {

HttpSession session = request.getSession(true);

session.setAttribute("username", username);

response.sendRedirect("Welcome.jsp");

} else {

response.sendRedirect("Error.jsp");

}

}

}

LogoutServlet.java

import jakarta.servlet.ServletException;

import jakarta.servlet.annotation.WebServlet;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

import jakarta.servlet.http.HttpSession;

import java.io.IOException;

/\*\*

\* Servlet implementation class LogoutServlet

\*/

*@WebServlet*("/LogoutServlet")

public class LogoutServlet extends HttpServlet {

private static final long ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

public LogoutServlet() {

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

response.getWriter().append("Served at: ").append(request.getContextPath());

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

HttpSession session = request.getSession(false);

if (session != null) {

session.invalidate();

}

response.sendRedirect("Login.html");

}

}

Error.jsp

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!**DOCTYPE** html>

<**html** lang=*"en"*>

<**head**>

<**meta** charset=*"UTF-8"*>

<**meta** name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<**title**>Error</**title**>

</**head**>

<**body**>

<**h2**>Login Failed</**h2**>

<**p**>Invalid username or password. <**a** href=*"Login.html"*>Please try again.</**a**></**p**>

</**body**>

</**html**>

Login.html

<!**DOCTYPE** html>

<**html** lang=*"en"*>

<**head**>

<**meta** charset=*"UTF-8"*>

<**meta** name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<**title**>Login</**title**>

</**head**>

<**body**>

<**h2**>Login Page</**h2**>

<**form** action=*"LoginServlet"* method=*"post"*>

<**label** for=*"username"*>Username:</**label**>

<**input** type=*"text"* id=*"username"* name=*"username"* required>

<**br**><**br**>

<**label** for=*"password"*>Password:</**label**>

<**input** type=*"password"* id=*"password"* name=*"password"* required>

<**br**><**br**>

<**input** type=*"submit"* value=*"Login"*>

</**form**>

</**body**>

</**html**>

Welcome.html

<%@ **page** language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ **page** import=*"jakarta.servlet.http.HttpSession"* %>

<%

HttpSession session2 = request.getSession(false);

if (session2 == null || session2.getAttribute("username") == null) {

response.sendRedirect("login.html");

} else {

String username = (String) session2.getAttribute("username");

%>

<!**DOCTYPE** html>

<**html** lang=*"en"*>

<**head**>

<**meta** charset=*"UTF-8"*>

<**meta** name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*>

<**title**>Welcome</**title**>

</**head**>

<**body**>

<**h2**>Welcome, <%= username %>!</**h2**>

<**form** action=*"LogoutServlet"* method=*"post"*>

<**input** type=*"submit"* value=*"Logout"*>

</**form**>

</**body**>

</**html**>

<%

}

%>