LOGIN SERVLET :

**package** assign;

**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;

@WebServlet("/login")

**public** **class** LoginServlet **extends** HttpServlet {

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

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

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

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

// Hard-coded correct values

String validUsername = "Rajitha";

String validPassword = "r0123";

**if** (username.equals(validUsername) && password.equals(validPassword)) {

// Successful login

HttpSession session = request.getSession();

session.setAttribute("username", username);

response.sendRedirect("dashboard");

} **else** {

// Incorrect login

response.sendRedirect("error.html");

}

}

}

LOGOUT SERVLET:

**package** assign;

**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;

@WebServlet("/logout")

**public** **class** LogoutServlet **extends** HttpServlet {

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

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

// Invalidate the session and redirect to the login page

HttpSession session = request.getSession(**false**);

**if** (session != **null**) {

session.invalidate();

}

response.sendRedirect("login.html");

}

}

DASHBOARD SERVLET:

**package** assign;

**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;

@WebServlet("/dashboard")

**public** **class** DashboardServlet **extends** HttpServlet {

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

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

// Check if the user is logged in

HttpSession session = request.getSession(**false**);

**if** (session != **null** && session.getAttribute("username") != **null**) {

// User is logged in, show the dashboard

response.setContentType("text/html");

response.getWriter().println("<h1>Welcome to the Dashboard</h1>");

response.getWriter().println("<p>This is the dashboard page.</p>");

response.getWriter().println("<a href=\"logout\">Logout</a>");

} **else** {

// User is not logged in, redirect to the login page

response.sendRedirect("login.html");

}

}

}

LOGIN HTML:

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

</head>

<body>

<h1>Login</h1>

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

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

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

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

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

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

</form>

</body>

</html>

ERROR HTML:

<!DOCTYPE html>

<html>

<head>

<title>Error</title>

</head>

<body>

<h1>Error</h1>

<p>Incorrect username or password.</p>

<a href=*"login.html"*>Go back to login page</a>

</body>

</html>