|  |  |
| --- | --- |
| **Ex. No : 6**  **Date:** | **Session Tracking Using HttpSession in Servlet with a Simple Login System** |

**AIM:**

To implement a simple login system using Java Servlet and demonstrate session tracking by maintaining the user's login state across multiple pages using HttpSession.

**PROGRAM:**

**HTML:**

<!DOCTYPE html>

<html>

<head>

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

<title>Form session handling</title>

</head>

<body>

<center>

<h3>FORM HANDLE BY HTTP SESSION</h3>

<form action="/Ramesh\_134/HttpSessionHandle" method="POST" style="margin-left: 50px">

<label>Username: </label><input type="text" name="username" placeholder="Enter username" required/><br><br>

<label>Password: </label><input type="password" name="password" placeholder="Enter password" required/><br><br>

<input type="submit" value="Login" style="margin-left: 130px"/>

</form>

</center>

</body>

</html>

**SERVLET:**

package com.ramesh.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;

/\*\*

\* Servlet implementation class HttpSessionHandle

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@WebServlet("/HttpSessionHandle")

public class HttpSessionHandle extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public HttpSessionHandle() {

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 {

String username = "Ramesh";

String password = "Ram134\_esh";

PrintWriter p = response.getWriter();

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

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

if(user.equals(username) && pass.equals(password))

{

HttpSession session = request.getSession(true);

session.putValue("username", user);

response.sendRedirect(request.getContextPath() + "/HttpSessionHandleDisplay");

}

else

{

p.println("fail");

}

}

}

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package com.ramesh.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;

/\*\*

\* Servlet implementation class HttpSessionHandleDisplay

\*/

@WebServlet("/HttpSessionHandleDisplay")

public class HttpSessionHandleDisplay extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public HttpSessionHandleDisplay() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

PrintWriter p = response.getWriter();

HttpSession session = request.getSession(true);

@SuppressWarnings("deprecation")

String user\_name = (String)session.getValue("username");

p.println("Username is " + user\_name);

}

/\*\*

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

\*/

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

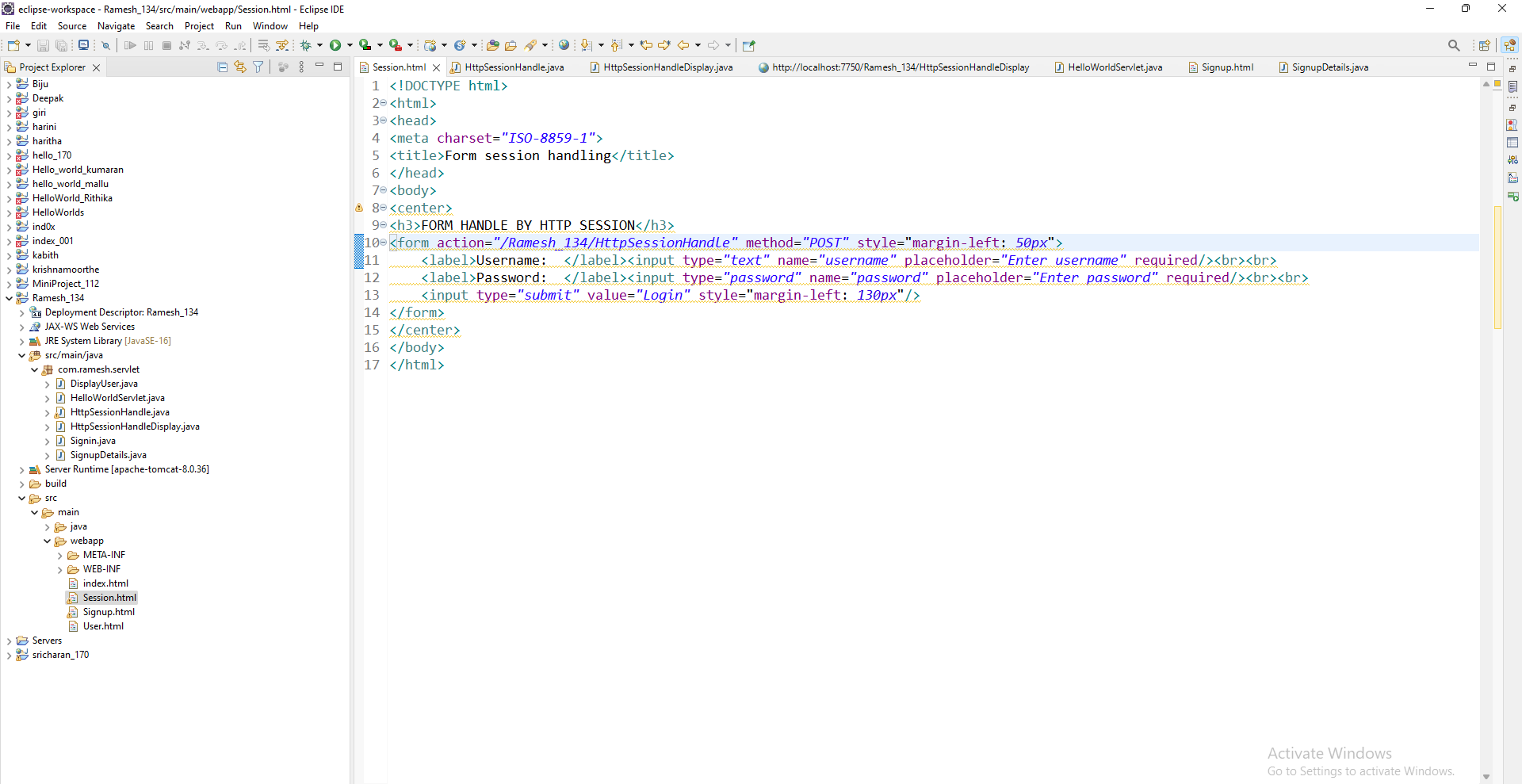
// TODO Auto-generated method stub

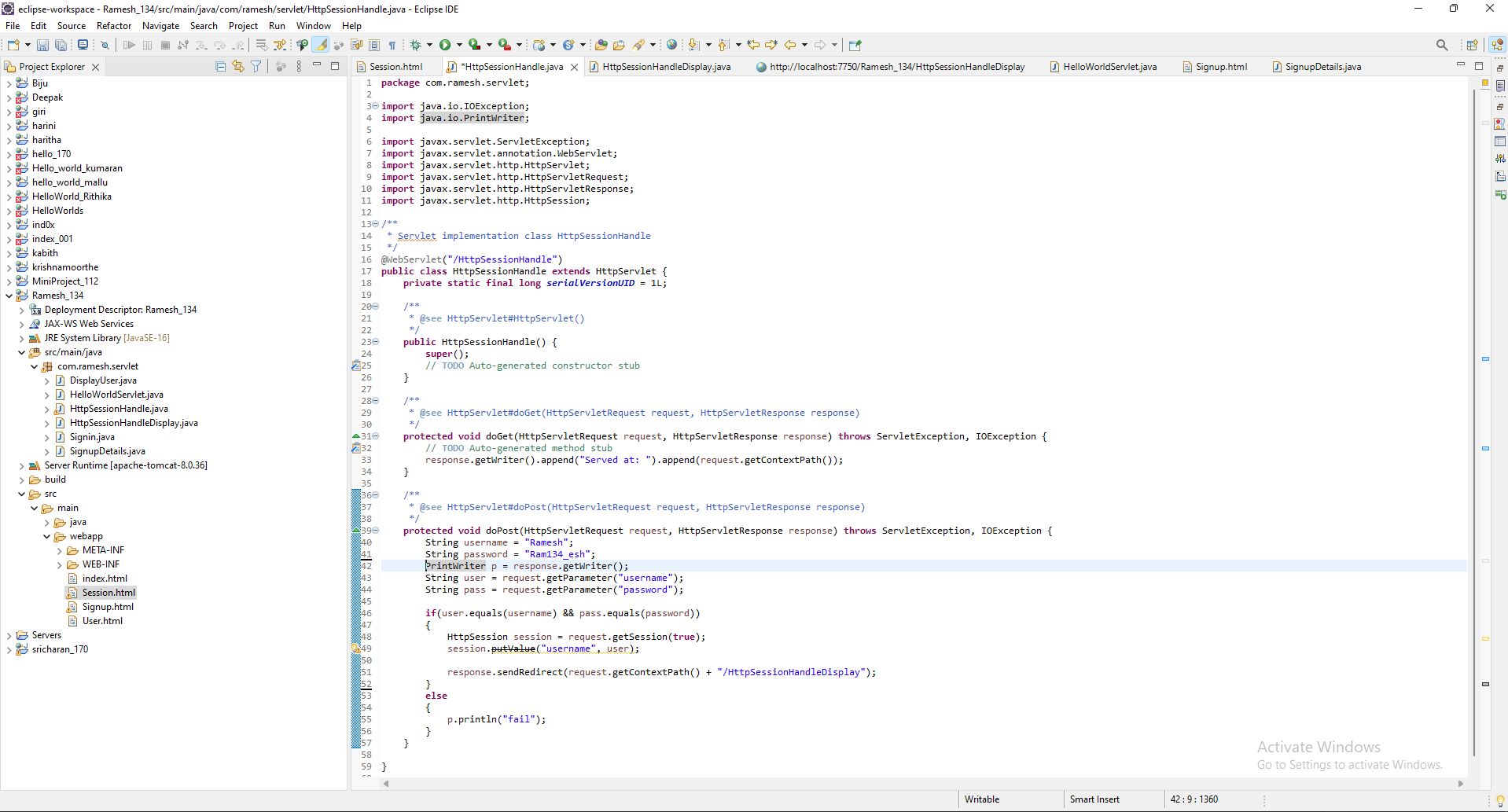
doGet(request, response);

}

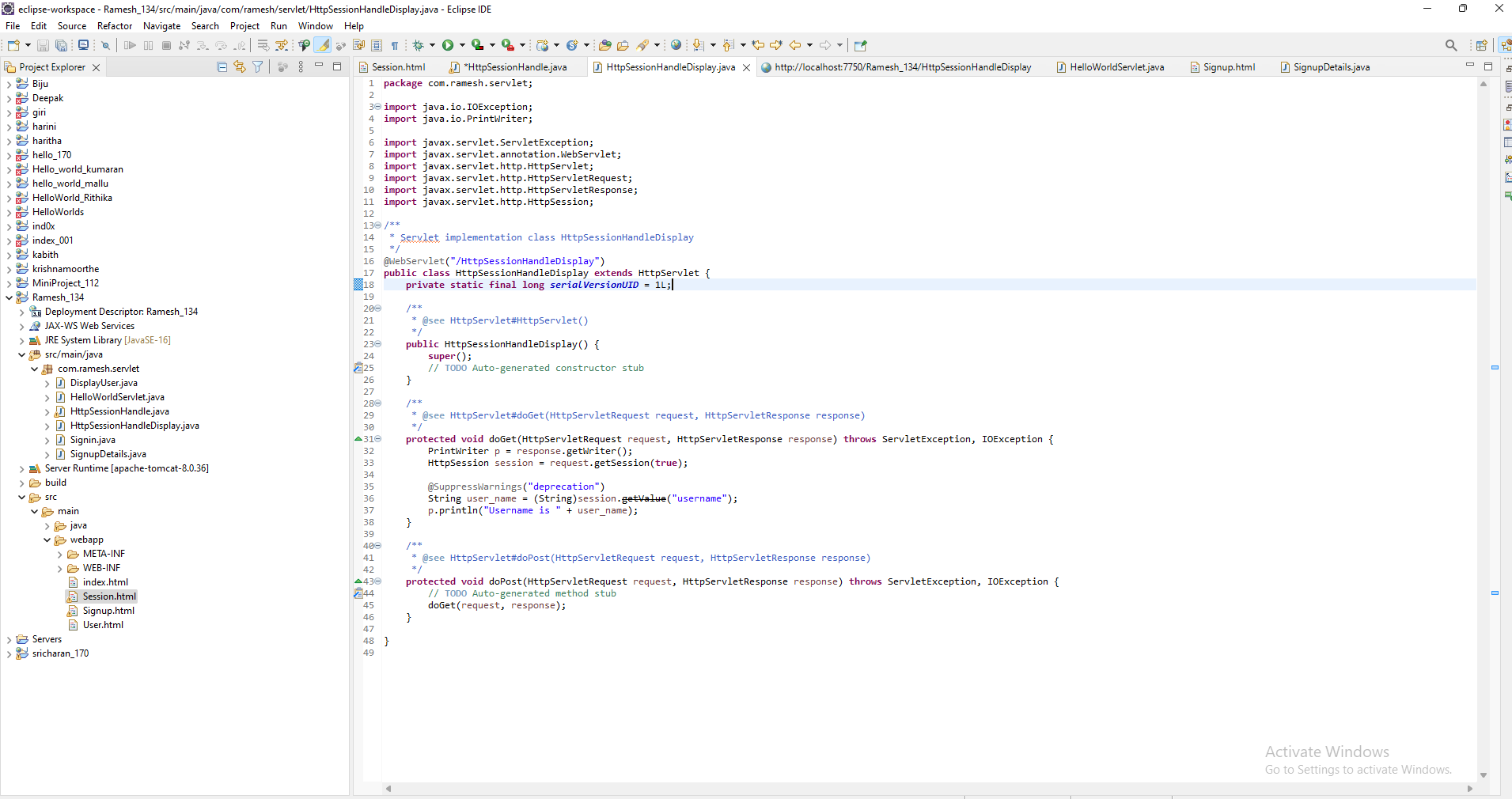
}

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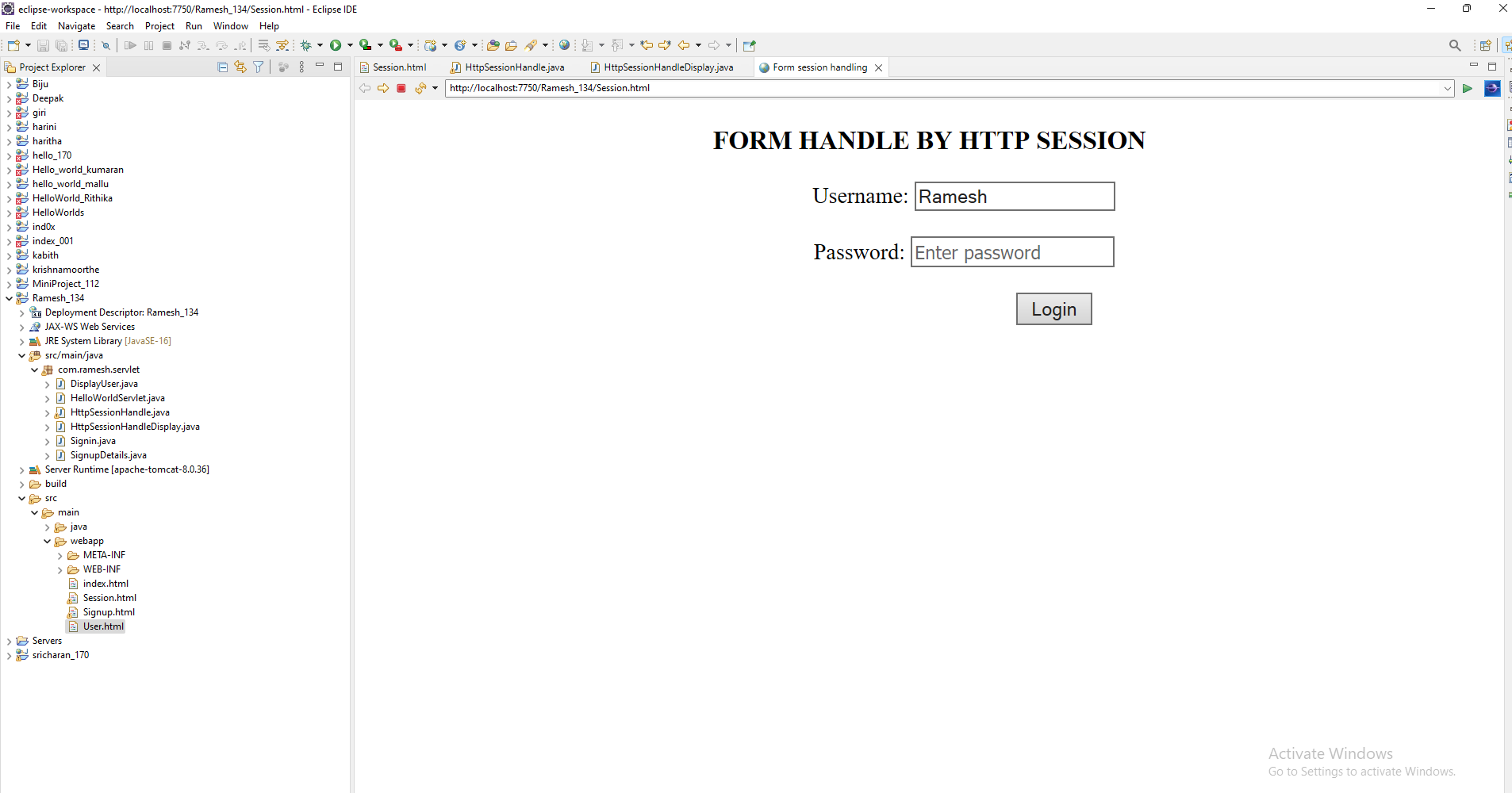




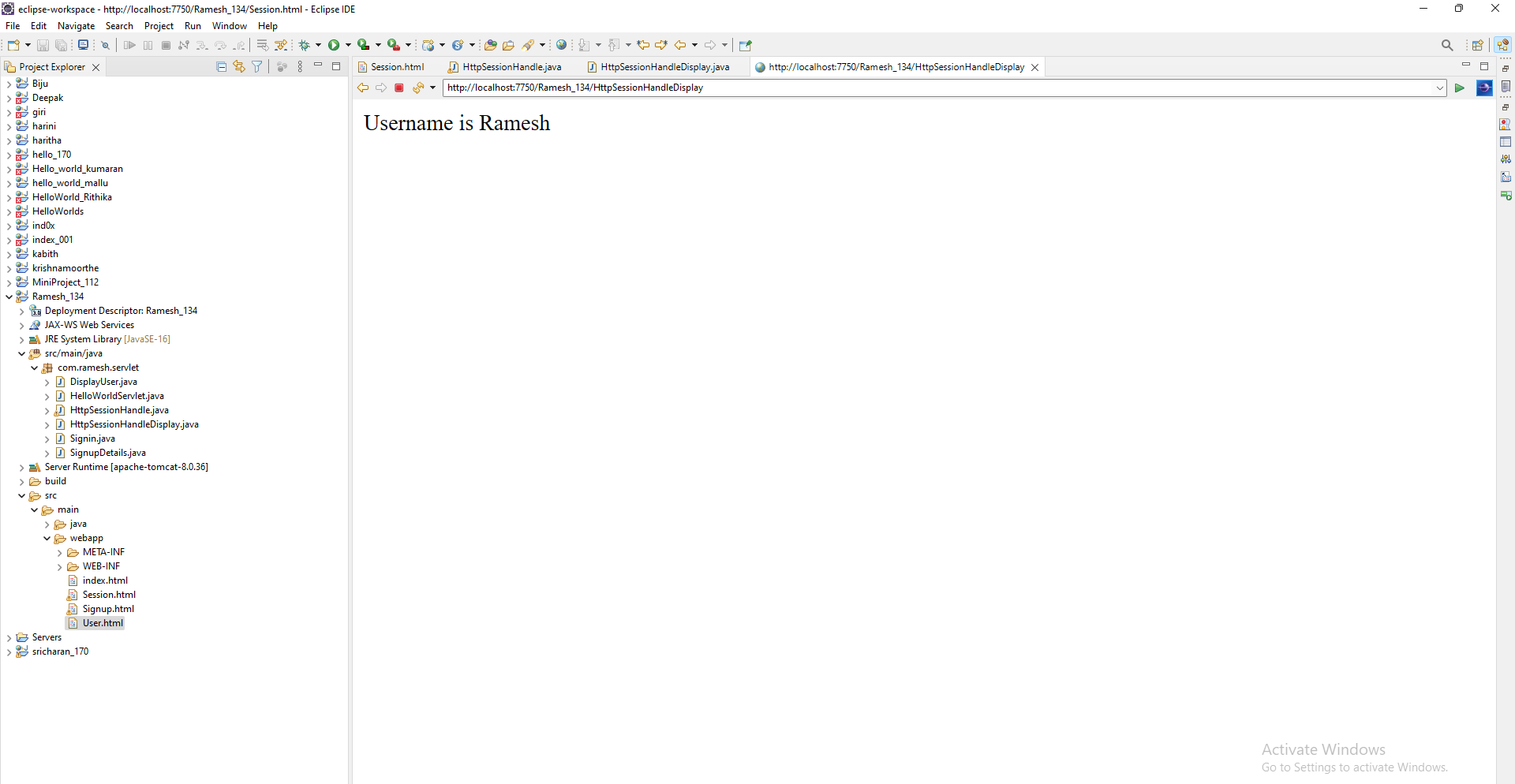
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**OUTPUT:**

****

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****

**RESULT:**

The simple login system was implemented successfully using servlets.  
The user session was tracked using **HttpSession**, and the logged-in user remained identified across different requests until the session was invalidated or expired. 231801134