**Ex.no:6**

**Date:7/4/25**

**6. Write a Servlet to demonstrate session tracking using HTTP Session.  
 Implement a simple login system where the user's session is tracked.**

**Aim:**

To Write a Servlet to demonstrate session tracking using HTTP Session.  
Implement a simple login system where the user's session is tracked.

**Program:**

**SessionHandle.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Login</title>

</head>

<body>

<form action=*"HttpSessionHandle"* method=*"POST"* style="margin-left: *50px*">

<p>

<label>Username: </label><input type=*"text"* name=*"username"*/><br><br>

</p>

<p>

<label>Password: </label><input type=*"password"* name=*"password"*/><br><br>

</p>

<p>

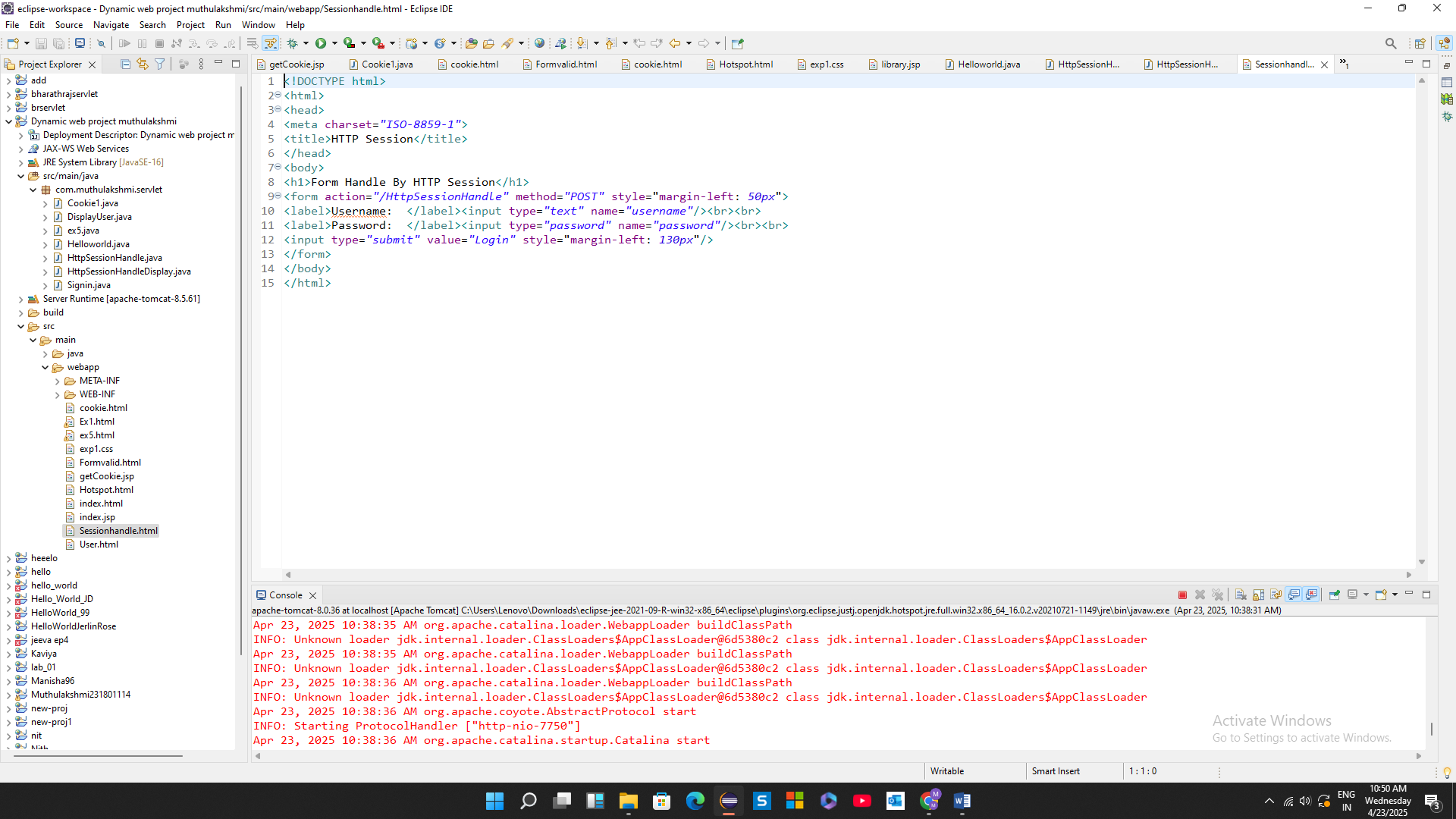
<input type=*"submit"* value=*"Login"* style="margin-left: *130px*"/>

</p>

</form>

</body>

</html>



**HttpSessionHandle.java**

**package** com.muthulakshmi.servlet;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.\*;

@WebServlet("/HttpSessionHandle")

**public** **class** HttpSessionHandle **extends** HttpServlet {

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

**public** HttpSessionHandle() {

**super**();

}

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

PrintWriter p = response.getWriter();

HttpSession session = request.getSession(**false**); // false = don't create if not exists

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

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

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

} **else** {

p.println("No active session. Please login.");

}

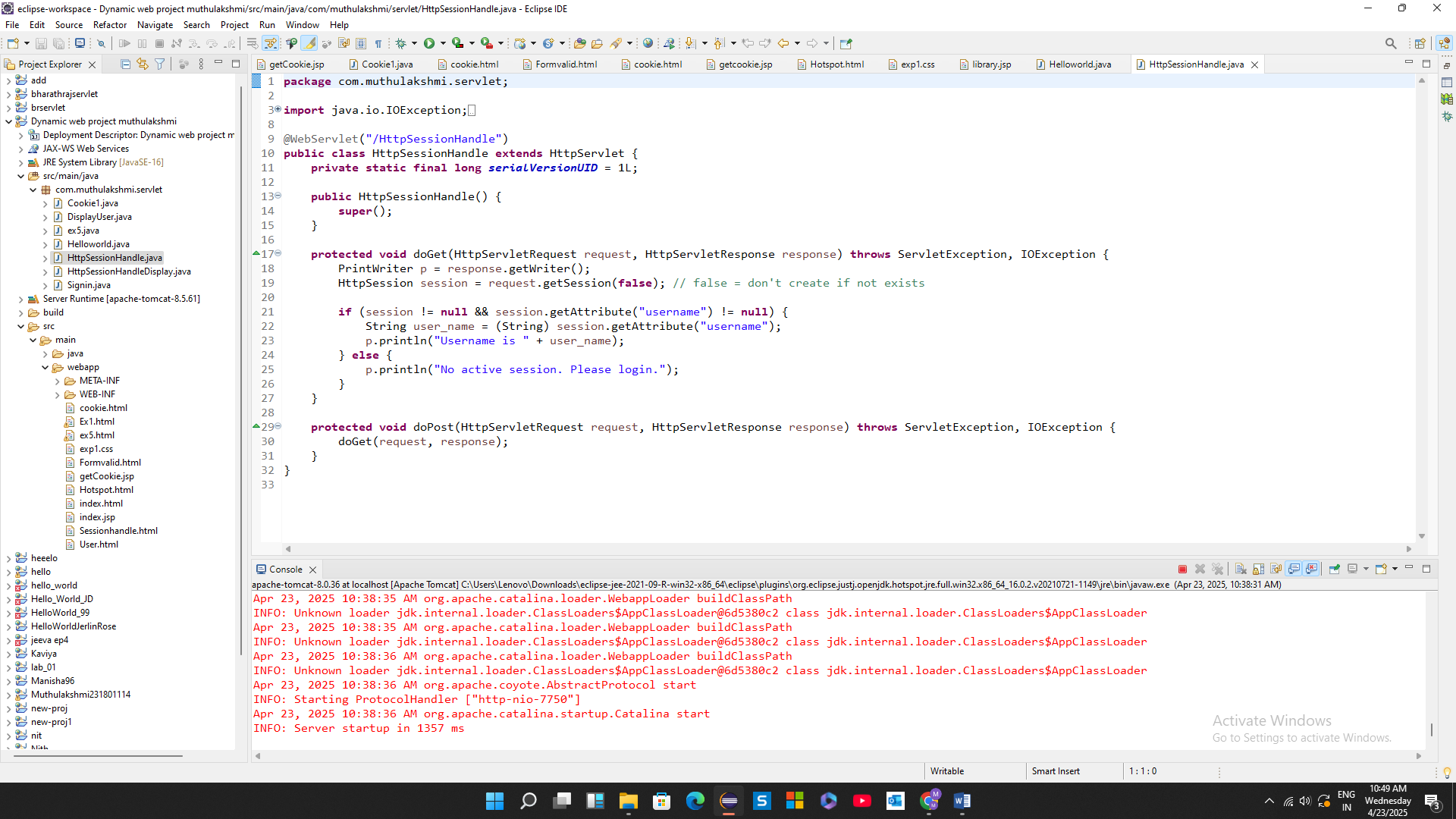
}

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

doGet(request, response);

}

}



**HttpSessionHandleDisplay.java**

**package** com.muthulakshmi.servlet;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.\*;

@WebServlet("/HttpSessionHandleDisplay")

**public** **class** HttpSessionHandleDisplay **extends** HttpServlet {

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

**public** HttpSessionHandleDisplay() {

**super**();

}

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

// You can handle GET if needed, or leave this empty

}

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

String username = "sheeja";

String password = "sheeja05";

PrintWriter p = response.getWriter();

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

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

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

HttpSession s = request.getSession(**true**);

s.setAttribute("username", user);

// Correct path for redirect

response.sendRedirect("HttpSessionHandleDisplay");

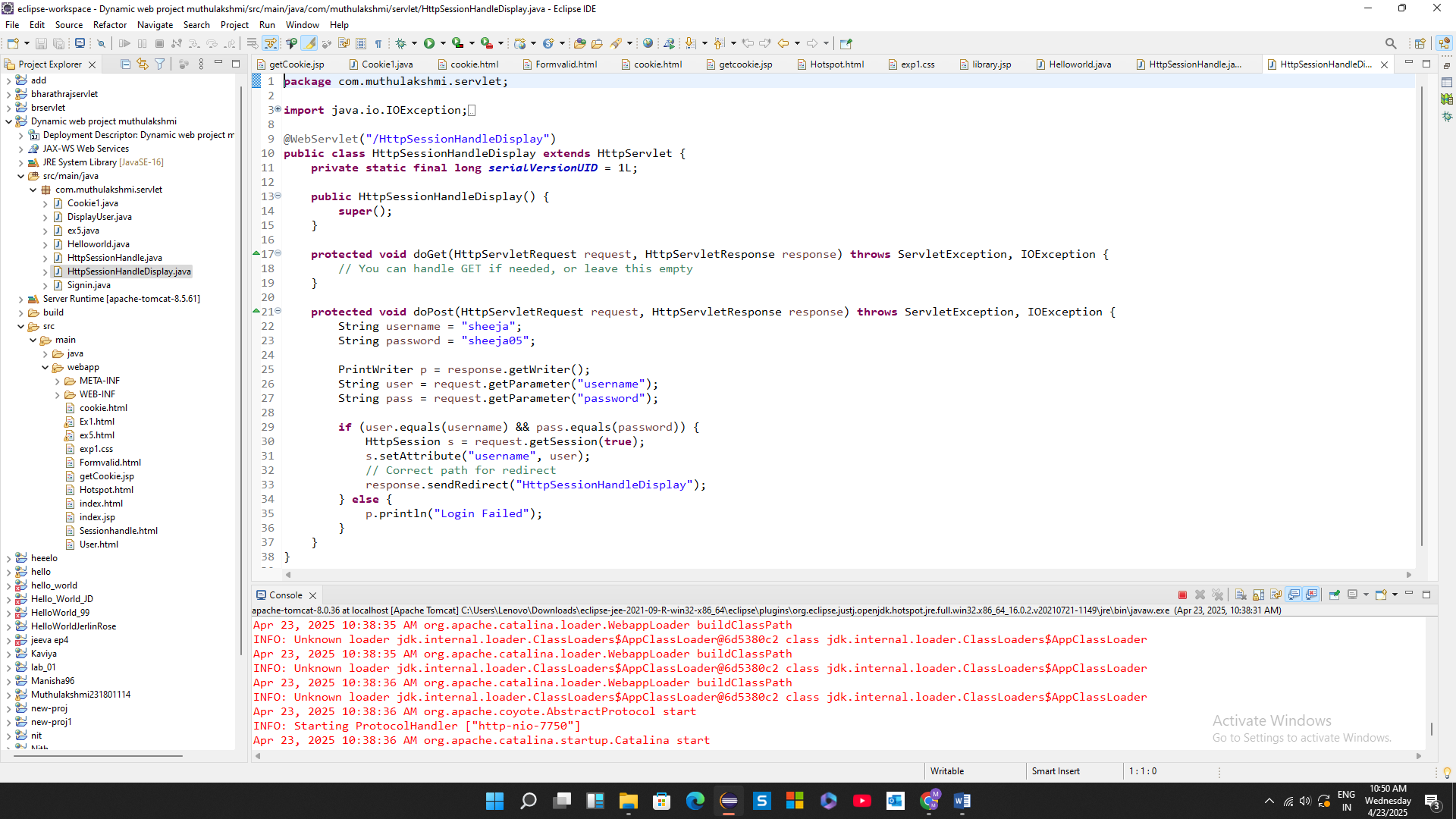
} **else** {

p.println("Login Failed");

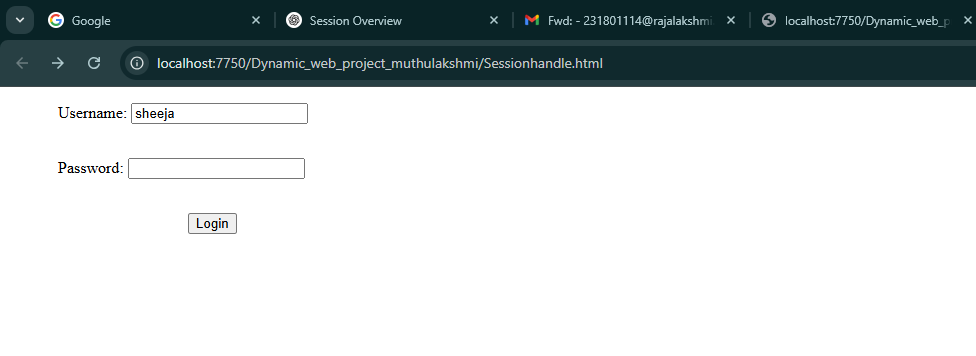
}

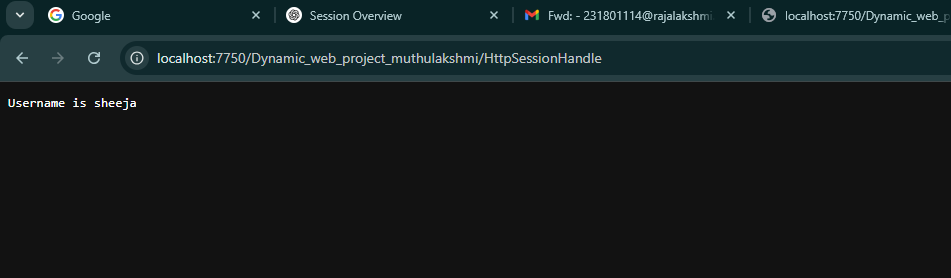
}

}



**Output:**

****

****

**Result:**

Thus the program was executed successfully on web browser and Implemented a simple login system where the user's session is tracked.