Validation of the User Login

Dashboard:-

```java
package com.java.userlogin;

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) &&
(session.getAttribute("userPassword") != null))  {

			out.println("<h3>Welcome " + session.getAttribute("userName"));

			out.println("<br> You are now logged in...</h3>");

			out.println("<p><h4><a href='logout'>LOGOUT</a></h4>");
		}

		else {
			response.sendRedirect("index.html");
		}

	}

}
```

Login:-

```java
package com.java.userlogin;
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 {

        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 uPassword = request.getParameter("userPassword");

//              Get a reference to the HttpSession object
                HttpSession theSession = request.getSession();

//              Validate the username
                if(uName.trim().equals("admin_mp")  &&
uPassword.trim().equals("mphasis99")) {
//                      Save the username in the session
                        theSession.setAttribute("userName", uName);
                        theSession.setAttribute("userPassword", uPassword);
//                      Redirect to the Dashboard
                        response.sendRedirect("dashboard");
```

```
                }
                else {
                        out.println("<font color='red'>Invalid username or Password...</font>");
                        RequestDispatcher dispatcher =
request.getRequestDispatcher("index.html");
                        dispatcher.include(request, response);
                }


        }

}
```

Logout:-

```
package com.java.userlogin;

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 {

        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                response.setContentType("text/html");

                PrintWriter out = response.getWriter();

//              Invalidate the session here
                request.getSession().invalidate();

                out.println("<h2>You are now logged out...<br>");

                out.println("<a href='index.html'>Login again</a>");
        }

}
```
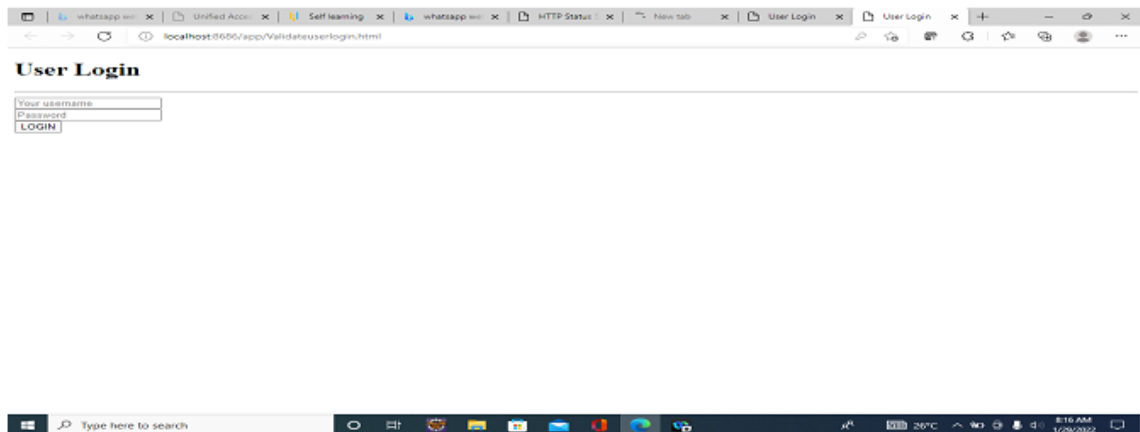
Validation of userlohin.html:-

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>User Login</title>
</head>
<body>
<h1>User Login</h1>
<hr>
<form action="login">
<input type="text" name="userName" placeholder="Your username"><br>
<input type="password" name="userPassword" placeholder="Password"><br>
<input type="submit" value="LOGIN">
</form>
</body>
</html>
```
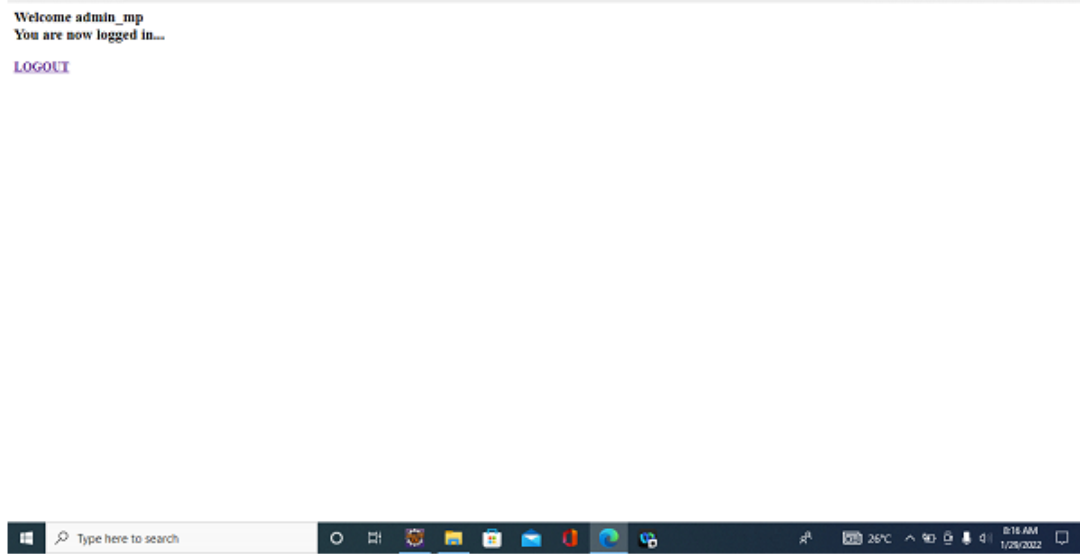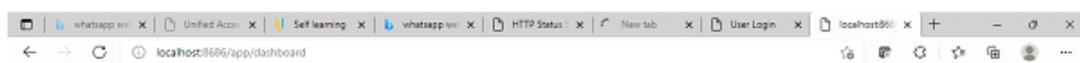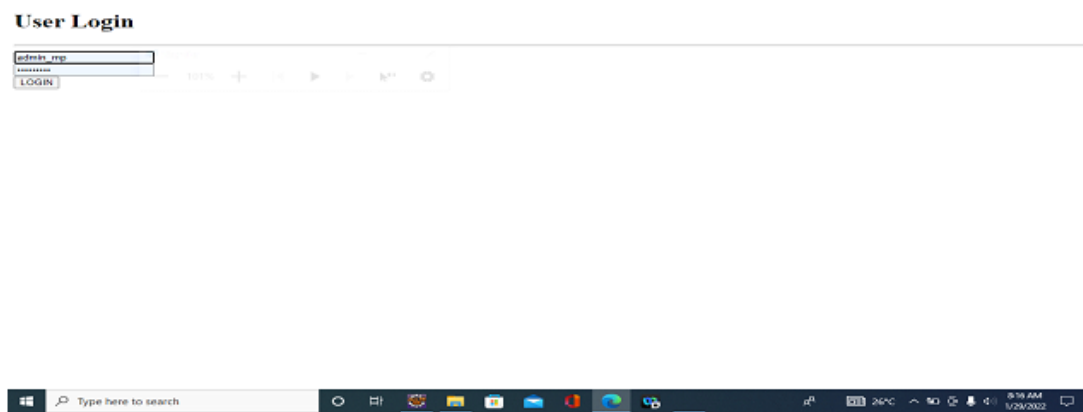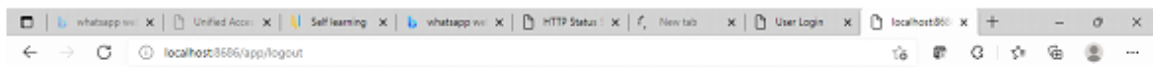
Output:-

User Login

admin_mp
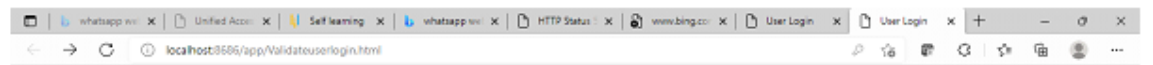
LOGIN

Welcome admin_mp
You are now logged in....

LOGOUT

You are now logged out...

[Login again](#)

User Login

admin_mp

••••••

LOGIN

localhost:8686/app/login?userName=admin_mp&userPassword=mphasis

Invalid username or Password...