# Project Name: Validation of the User Login.

## GitHub Link:

<https://github.com/tamasjit/myjavaproject/tree/master/Phase%202/Phase-2_Practice_Project/q1_ValidationofUserLogin>

## Source Code:

### Login.html

<!DOCTYPE html>

<html>

<head>

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

<title>Login Page</title>

</head>

<body  background="orange">

<h1>Login Page</h1>

<form action="Login" method="post">

<table>

<tr>

<td><label>Name</label></td>

<td><input type="text" name="username"/></td>

</tr>

<tr>

<td><label>Password</label></td>

<td><input type="password" name="password"/></td>

</tr>

<tr>

<td align="center" colspan="2"><input type="submit" value="login"/></td>

</tr>

</table>

</form>

</body>

</html>

### Link.html

<!DOCTYPE html>

<html>

<head>

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

<title>link</title>

</head>

<body>

<h1 style="color:red" align="center" >Welcome To WebApp</h1>

<br/>

<h2 align="center">You are On Dashboard</h2>

<h3 align="right"><a href="Logout">Logout</a></h3>

</body>

</html>

### Dashboard.java

package com.validation;

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;

/\*\*

 \* Servlet implementation class Dashboard

 \*/

@WebServlet("/Dashboard")

public class Dashboard extends HttpServlet {

    private static final long serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public Dashboard() {

        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

            request.getRequestDispatcher("/link.html").include(request, response);

    }

}

### Login.java:

package com.validation;

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;

/\*\*

 \* Servlet implementation class Login

 \*/

@WebServlet("/Login")

public class Login extends HttpServlet {

    private static final long serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public Login() {

        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

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

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

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

        if(username.equals("tamasjit@gmail.com") && password.equals("123456789")) {

            RequestDispatcher rd = request.getRequestDispatcher("Dashboard");

            rd.forward(request, response);

        }

        else if(username.equals("") || password.equals(""))

            {

            out.println("<h2>Sorry UserName or Password Error!</h2>");

            out.println("<h4>Username or password is empty...Try again<br/><br/></br></h4>");

            RequestDispatcher rd = request.getRequestDispatcher("/login.html");

            rd.include(request, response);

            }

        else {

            out.println("<h2>Sorry UserName or Password Error!</h2>");

            out.println("<h4>Enter valid username and password<br/><br/></br></h4>");

            RequestDispatcher rd = request.getRequestDispatcher("/login.html");

            rd.include(request, response);

        }

        out.close();

    }

}

### Logout.java:

package com.validation;

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 Logout

 \*/

@WebServlet("/Logout")

public class LogOut extends HttpServlet {

    private static final long serialVersionUID = 1L;

    /\*\*

     \* @see HttpServlet#HttpServlet()

     \*/

    public LogOut() {

        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.setContentType("text/html");

        PrintWriter out=response.getWriter();

        HttpSession session=request.getSession();

        session.invalidate();

        out.print("<h1>You are successfully logged out!</h2>");

        out.close();

        }

    /\*\*

     \* @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);

    }

}

### Web.xml

<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee" xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_4\_0.xsd" id="WebApp\_ID" version="4.0">

  <display-name>q1\_ValidationofUserLogin</display-name>

  <welcome-file-list>

    <welcome-file>index.html</welcome-file>

    <welcome-file>index.jsp</welcome-file>

    <welcome-file>index.htm</welcome-file>

    <welcome-file>default.html</welcome-file>

    <welcome-file>default.jsp</welcome-file>

    <welcome-file>default.htm</welcome-file>

  </welcome-file-list>

</web-app>