

## Week 7 Web Programming

### JSP forms and date functionalities

One HTML page was created to accept user input which is sent to a JSP form which checks if it is correct. If not, it redirects to a JSP error page. If correct, it redirects to a home page where the current date and time are displayed

#### **index.html:**

```
<html>
  <head>
    <title>Login Form</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  </head>
  <body>
    <center>
      <h2>Signup Details</h2>
      <form action="LoginCheck.jsp" method="post">
        <br>Username:<input type="text" name="username"><br>
        <br>Password:<input type="password" name="password"><br>
        <br><input type="submit" value="Submit">
      </form>
    </center>
  </body>
</html>
```

#### **LoginCheck.jsp:**

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<html>
  <head>
```

```

    <meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
    <title>JSP Page</title>
    </head>
    <body>
    <%
String username=request.getParameter("username");
String password=request.getParameter("password");

if((username.equals("saswath") && password.equals("menon")))
{
session.setAttribute("username",username);
response.sendRedirect("Home.jsp");
}
else
response.sendRedirect("Error.jsp");
%>
    </body>
</html>

```

### **Home.jsp:**

(here, we use the Date class to display the current day, date and time)

```

<%@page contentType="text/html" pageEncoding="UTF-8"
errorPage="Error.jsp"%>
<%@ page import = "java.io.*,java.util.*, javax.servlet.*" %>
<html>
    <head>
    <meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
    <title>JSP Page</title>
    </head>
    <body>
    <br/><br/><br/><br/><br/>

```

```

<center>
<h2>
<%
String a=session.getAttribute("username").toString();
out.println("<h1>Hello, "+a);
%>
</h2>
<br/>
<br/>
<br/><br/>
<h2>Today's date and time:</h2>
<%
Date date = new Date();
out.print( "<h2 align = \"center\">" +date.toString()+"</h2>");
%>
<br/><br/><br/>
<a href="logout.jsp">Logout</a>
</center>

</body>
</html>

```

### **logout.jsp:**

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>JSP Page</title>
</head>
<body>
<%

session.removeAttribute("username");

```

```
        session.removeAttribute("password");
        session.invalidate();
    %>
    <center>
    <h1>Successfully logged out.</h1><br><br>
    <br><br><a href="index.html">login</a>
    </center>

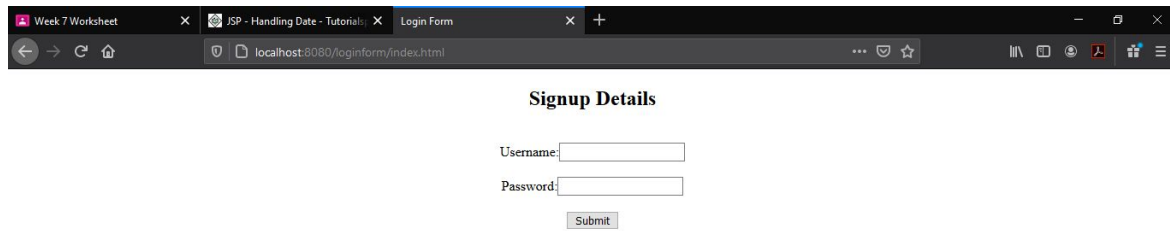
</body>
</html>
```

### **Error.jsp:**

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>

<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body>
        <center>
            <h1>Error! Incorrect username or password</h1>
            <a href="index.html">try again</a>
        </center>
    </body>
</html>
```

## Outputs:



A screenshot of a web browser window with three tabs: 'Week 7 Worksheet', 'JSP - Handling Date - Tutorial', and 'Login Form'. The address bar shows 'localhost:8080/loginform/index.html'. The page content is titled 'Signup Details' and contains a form with two input fields: 'Username:' and 'Password:'. Below the password field is a 'Submit' button.

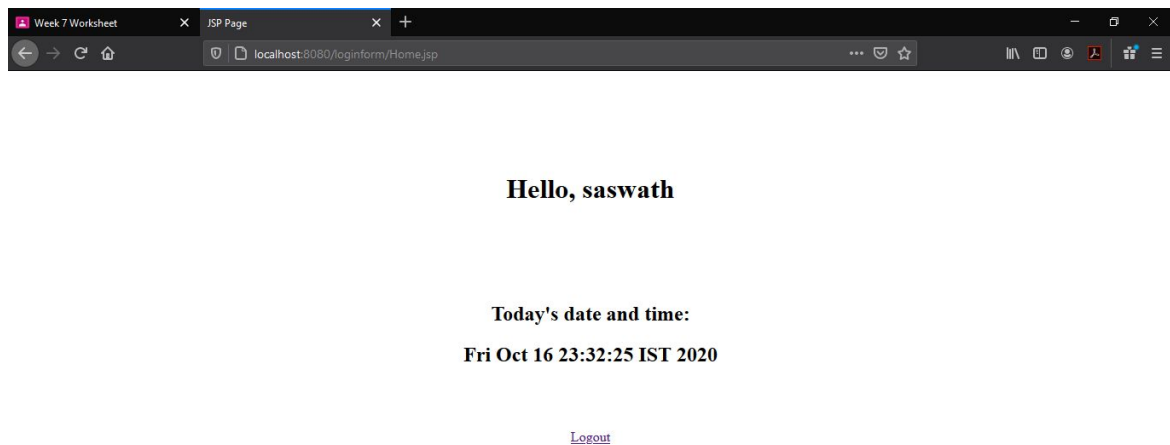
**Signup Details**

Username:

Password:

---

## Login page



A screenshot of a web browser window with two tabs: 'Week 7 Worksheet' and 'JSP Page'. The address bar shows 'localhost:8080/loginform/Home.jsp'. The page content displays a personalized greeting, the current date and time, and a 'Logout' link.

**Hello, saswath**

**Today's date and time:**  
**Fri Oct 16 23:32:25 IST 2020**

[Logout](#)

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Login with correct details, showing the current day, date and time

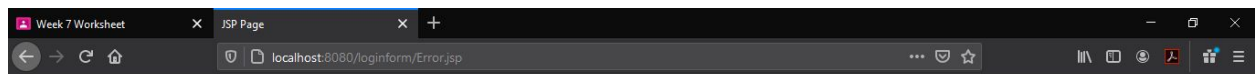


**Successfully logged out.**

[login](#)

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Logout page with message and option to login again



**Error! Incorrect username or password**

[try again](#)

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Logout page with error message and option to try again