Assignment 5

Understand servlet life cycle, create login page and apply proper validations with appropriate messages using doGet()/ doPost() methods.

```
Create form for User login and password & validate it by
writing hardcode in dopost() Method
```

Login.jsp

```jsp
<%@ page language="java" contentType="text/html;
charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login</title>
</head>
<body>
    <form method="post" action="LoginCheck">
        <table>
            <tr>
                <td>User Name:</td>
                <td><input type="text" name="uname"></td>
            </tr>
            <tr>
                <td>Password:</td>
                <td><input type="password" name="password"></td>
            </tr>
            <tr>
                <td></td>
                <td><input type="submit" value="Login"></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

LoginCheck.java

```java
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 LoginCheck
 */
@WebServlet("/LoginCheck")
public class LoginCheck extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public LoginCheck() {
        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 {
```

```java
        String uname=request.getParameter("uname");
        String
password=request.getParameter("password");

        if(uname.equals("admin") &&
password.equals("admin")) {
            response.sendRedirect("member.jsp");
        }
        else {
            response.sendRedirect("error.jsp");
        }
    }

}
```

member.jsp

```jsp
<%@ page language="java" contentType="text/html;
charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Welcome</title>
</head>
<body>
Welcome you are logged in.
</body>
</html>
```

error.jsp

```jsp
<%@ page language="java" contentType="text/html;
charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Error</title>
</head>
<body>
Invalid Username or Password
</body>
</html>
```

```jsp
 2        pageEncoding="UTF-8"%>
 3 <!DOCTYPE html>
 4 <html>
 5 <head>
 6 <meta charset="UTF-8">
 7 <title>Login</title>
 8 </head>
 9 <body>
10   <form method="post" action="LoginCheck">
11     <table>
12       <tr>
13         <td>User Name:</td>
14         <td><input type="text" name="uname"></td>
15       </tr>
16       <tr>
17         <td>Password:</td>
18         <td><input type="password" name="password"></td>
19       </tr>
20       <tr>
21         <td></td>
22         <td><input type="submit" value="Login"></td>
23       </tr>
24     </table>
25   </form>
26 </body>
27 </html>
```

Project Explorer

- Servers
- simple-login
  - Deployment Descriptor: simple-login
  - JAX-WS Web Services
  - Java Resources
    - src
    - Libraries
  - build
  - WebContent
    - META-INF
    - WEB-INF
    - error.jsp
    - login.jsp
    - member.jsp

Outline

- jsp:directive.page language=java
- DOCTYPE:html
- html
  - head
    - meta charset=UTF-8
    - title : Login
  - body
    - form action=LoginCheck
      - table
        - tr
          - td : User Name:
          - td
            - input name=uname
        - tr
          - td : Password:
          - td
            - input name=password
        - tr
          - td
          - td
            - input type=submit

Markers Properties Servers Data Source Explorer Snippets Console

Tomcat v9.0 Server at localhost [Started, Synchronized]
    simple-login [Synchronized]

Writable   Smart Insert   14 : 23 : 282

User Name: admin

Password: •••••

Login

Welcome you are logged in.

User Name: asdasd

Password: ·········

Login

Invalid Username or Password