ORCHID INTERNATIONAL College
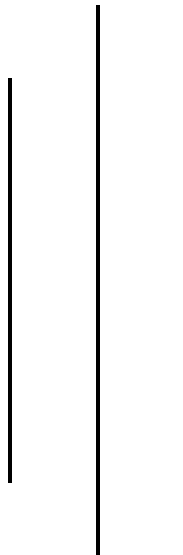
(Affiliated to Tribhuvan University)

Advanced Java Programming

Lab 006

Servlet

Submitted by:

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BSc. CSIT - VII

Submitted to:

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1. Develop login screen using HTML.

When the user clicks on submit button validate the user id and password using filters. If it is invalid id or password then display the login screen else display a servlet with given user id and password. If the user id and password is valid then store the user id as cookie on the client side.

1.1. login.jsp

```
<%--
  Created by IntelliJ IDEA.
  User: abhinna
  Date: 2023-01-25
  Time: 07:29
  To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
  <head>
    <title>Title</title>
  </head>
  <body>
    <div>
      <form action="loginConfirm.jsp" method="post">
<%--      <form action="/demo1_war/Servlet" method="post">--%>
        Username:
        <input type="text" name="username"><br>
        Password:
        <input type="password" name="password"><br>
        <input type="submit" value="Login">
      </form>
    </div>
  </body>
</html>
```

1.2. loginServlet.java

```java
package com.example.login;

import com.mysql.cj.Session;

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;
import java.io.IOException;
import java.io.PrintWriter;

@WebServlet(name = "LoginServlet", value = "/LoginServlet")
public class LoginServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

    }

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();


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

        if (user.equalsIgnoreCase("Abhinna") && pass.equals("PassAbhinna123")) {
            out.println("User: " + user);
            out.println("Password: " + pass);
            HttpSession session = request.getSession();
            session.setAttribute("user", user);
            RequestDispatcher dispatcher =
request.getRequestDispatcher("/LoginSession/user.jsp");
            dispatcher.forward(request, response);
        } else {
            RequestDispatcher dispatcher =
request.getRequestDispatcher("/LoginSession/login.jsp");
            dispatcher.forward(request, response);
        }
    }
}
```

1.3. user.jsp

```jsp
<%--
  Created by IntelliJ IDEA.
  User: abhinna
  Date: 2023-02-21
  Time: 14:30
  To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
    <title>Title</title>
</head>
<body>
 <%
   String username = session.getAttribute("user").toString();
   Cookie userCookie = new Cookie("userCookie", username);
   userCookie.setMaxAge(60 * 60 * 24 * 3);
   response.addCookie(userCookie);
   out.println("User cookie set as userCookie, value = " + username);
 %>
</body>
</html>
```
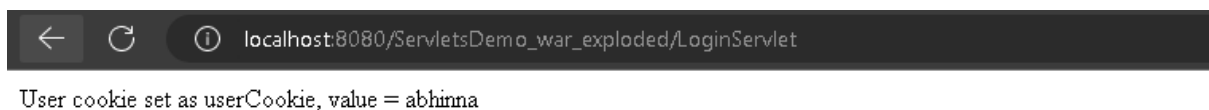

localhost:8080/ServletsDemo_war_exploded/LoginSession/login.jsp

Username: abhinna
Password: ••••••••••••
Login

localhost:8080/ServletsDemo_war_exploded/LoginServlet

User cookie set as userCookie, value = abhinna