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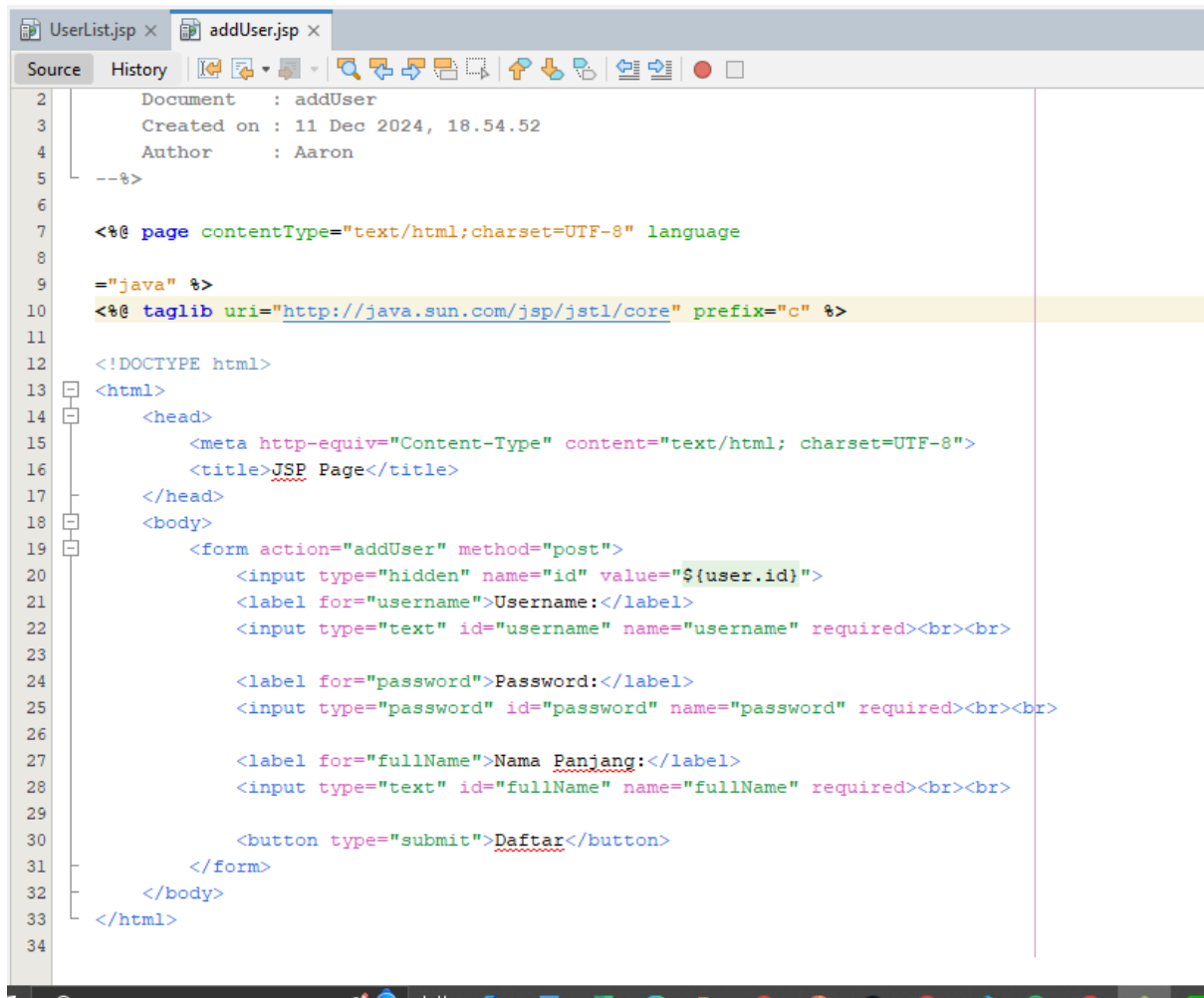
View

Userlist.jsp



```
1  <!--
2      Document    : UserList
3      Created on  : Dec 3, 2024, 7:09:32 AM
4      Author     : helmy
5  -->
6
7  <@ page contentType="text/html; charset=UTF-8" language
8
9  ="java" %>
10 <@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
11
12 <html>
13 <head>
14     <title>User List</title>
15 </head>
16 <body>
17     <h2>User List</h2>
18
19     <table border="1">
20         <thead>
21             <tr>
22                 <th>ID</th>
23                 <th>Username</th>
24                 <th>Full Name</th>
25                 <th>Actions</th>
26             </tr>
27         </thead>
28         <tbody>
29             <c:forEach var="user" items="${users}">
30                 <tr>
31                     <td>${user.id}</td>
32                     <td>${user.username}</td>
33                     <td>${user.fullName}</td>
34                     <td>
35                         <a href="editUser?id=${user.id}">Edit</a> |
36                         <a href="deleteUser?id=${user.id}">Delete</a>
37                     </td>
38                 </tr>
39             </c:forEach>
40         </tbody>
41     </table>
42
43     <a href="addUser.jsp">Tambah User Baru</a>
44 </body>
45 </html>
46
```

addUser.jsp



```
2      Document    : addUser
3      Created on  : 11 Dec 2024, 18.54.52
4      Author     : Aaron
5  --%>
6
7  <%@ page contentType="text/html; charset=UTF-8" language
8
9  ="java" %>
10 <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
11
12 <!DOCTYPE html>
13 <html>
14 <head>
15     <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
16     <title>JSP Page</title>
17 </head>
18 <body>
19     <form action="addUser" method="post">
20         <input type="hidden" name="id" value="${user.id}">
21         <label for="username">Username:</label>
22         <input type="text" id="username" name="username" required><br><br>
23
24         <label for="password">Password:</label>
25         <input type="password" id="password" name="password" required><br><br>
26
27         <label for="fullName">Nama Panjang:</label>
28         <input type="text" id="fullName" name="fullName" required><br><br>
29
30         <button type="submit">Daftar</button>
31     </form>
32 </body>
33 </html>
34
```

Edituser.jsp

```

<%@ page contentType="text/html; charset=UTF-8" language="java" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<html>
<head>
<title>Edit User</title>
</head>
<body>
<h2>Edit User</h2>

<form action="editUser" method="post">
<input type="hidden" name="id" value="${user.id}">
<label for="username">Username:</label>
<input type="text" name="username" value="${user.username}" required><br><br>

<label for="password">Password:</label>
<input type="password" name="password" value="${user.password}" required><br><br>

<label for="fullName">Full Name:</label>
<input type="text" name="fullName" value="${user.fullName}" required><br><br>

<button type="submit">Update User</button>
</form>
</body>
</html>

```

Login.jsp

```

4 |
5 | Author : helmy
6 |
7 | --%>
8 |
9 | <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
10 |
11 | <html>
12 | <head>
13 | <title>Halaman Login</title>
14 | </head>
15 | <body>
16 | <h2>Login</h2>
17 |
18 | <form action="login" method="post">
19 | <label for="username">Username:</label>
20 | <input type="text" id="username" name="username" required><br><br>
21 |
22 | <label for="password">Password:</label>
23 | <input type="password" id="password" name="password" required><br><br>
24 |
25 | <button type="submit">Login</button>
26 | </form>
27 |
28 | <!-- Tampilkan pesan error jika login gagal -->
29 | <c:if test="${not empty errorMessage}">
30 | <p style="color:red;">${errorMessage}</p>
31 | </c:if>
32 |
33 | <!-- Cek apakah pengguna sudah login, jika sudah, redirect ke welcome.jsp -->
34 | <c:if test="${not empty user}">
35 | <p>You are already logged in. <a href="welcome.jsp">Go to Welcome Page</a></p>
36 | </c:if>
37 | </body>
38 | </html>

```

Welcome.jsp

```
1 <!--
2 Document : welcome
3 Created on : 26 Nov 2024, 11.03.33
4 Author : helmy
5 -->
6
7 <%@page contentType="text/html" pageEncoding="UTF-8"%>
8 <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
9
10 <html>
11 <head>
12 <title>Welcome Page</title>
13 </head>
14 <body>
15 <h2>Selamat datang, ${user.username}! anda berhasil Login!</h2> <!-- Menampilkan nama pengguna yang login -->
16
17 <!-- Tombol untuk logout -->
18 <form action="logout" method="get">
19 <button type="submit">Logout</button>
20 </form>
21
22 <a href="UserList.jsp">Daftar User</a>
23 </body>
24 </html>
```

servlet

addUserServlet.java

```
import java.io.IOException;
import static java.lang.System.out;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;

@WebServlet("/addUser")
public class AddUserServlet extends HttpServlet {

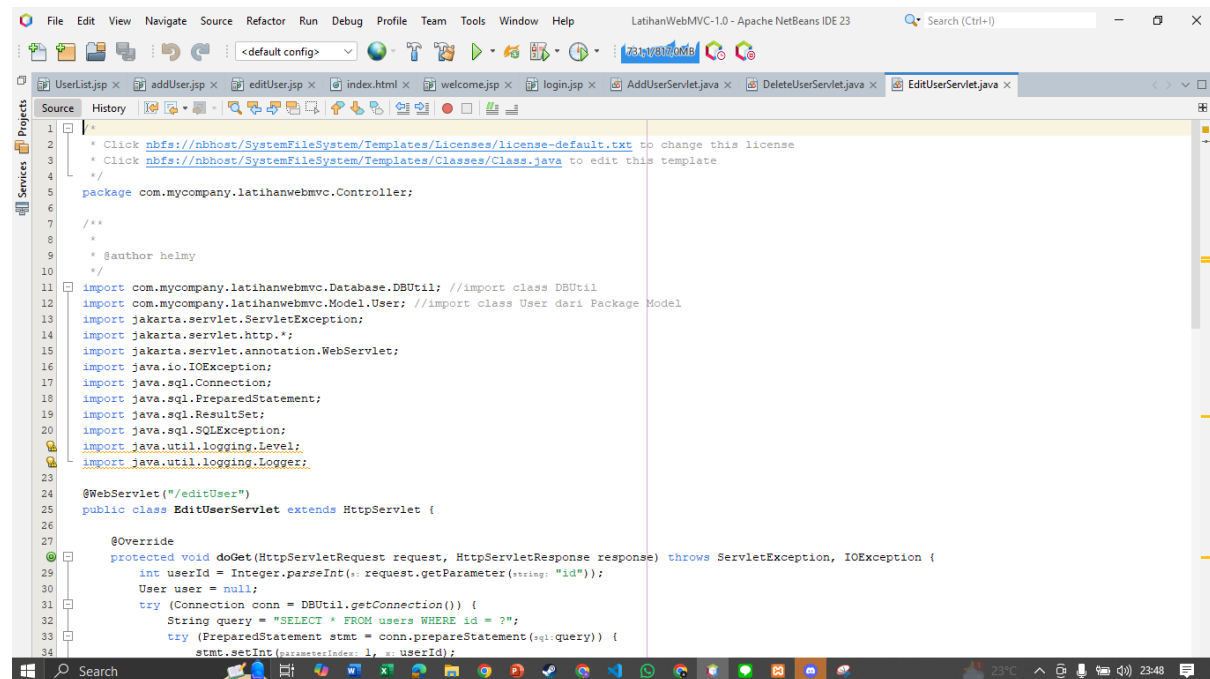
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        String username = request.getParameter("username");
        String password = request.getParameter("password");
        String fullName = request.getParameter("fullName");

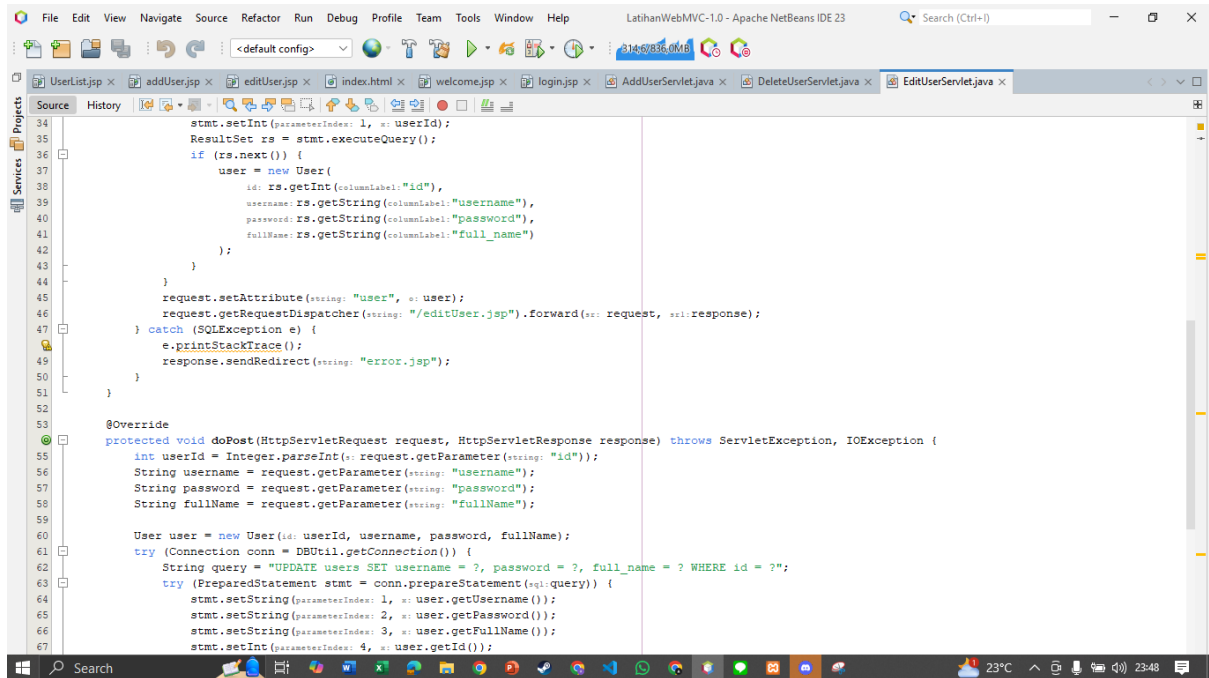
        User user = new User(username, password, fullName);
        try (Connection conn = DBUtil.getConnection()) {
            String query = "INSERT INTO users (username, password, full_name) VALUES (?, ?, ?)";
            try (PreparedStatement stmt = conn.prepareStatement(query)) {
                stmt.setString(1, user.getUsername());
                stmt.setString(2, user.getPassword());
                stmt.setString(3, user.getFullName());
                stmt.executeUpdate();
            }
            response.sendRedirect("UserList"); // Redirect ke halaman list setelah berhasil
        } catch (SQLException e) {
            e.printStackTrace();
            out.print("e.getMessage()");
            response.sendRedirect("error");
        }
    }
}
```

DeleteUser.java

```
11 import com.mycompany.latihanwebmvc.Database.DBUtil; //import class DBUtil
12 import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
13 import jakarta.servlet.ServletException;
14 import jakarta.servlet.http.*;
15 import jakarta.servlet.annotation.WebServlet;
16 import java.io.IOException;
17 import java.sql.Connection;
18 import java.sql.PreparedStatement;
19 import java.sql.SQLException;
20 import java.util.logging.Level;
21 import java.util.logging.Logger;
22
23 @WebServlet("/deleteUser")
24 public class DeleteUserServlet extends HttpServlet {
25
26     @Override
27     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
28         int userId = Integer.parseInt(request.getParameter("id"));
29         try (Connection conn = DBUtil.getConnection()) {
30             String query = "DELETE FROM users WHERE id = ?";
31             try (PreparedStatement stmt = conn.prepareStatement(sql:query)) {
32                 stmt.setInt(parameterIndex: 1, x: userId);
33                 stmt.executeUpdate();
34             }
35             response.sendRedirect(string: "...jsp");
36         } catch (SQLException e) {
37             e.printStackTrace();
38             response.sendRedirect(string: "error.jsp");
39         }
40     }
41 }
```

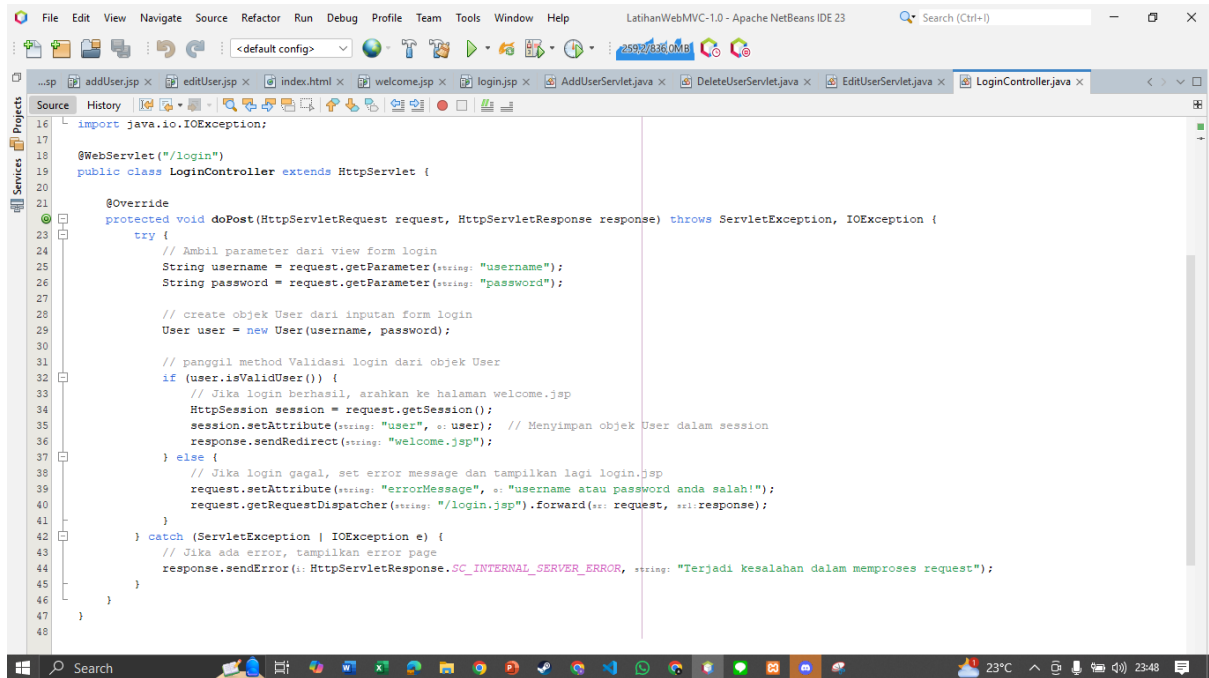
EditUser.java





```
34 stmt.setInt(parameterIndex: 1, x: userId);
35 ResultSet rs = stmt.executeQuery();
36 if (rs.next()) {
37     user = new User(
38         rs.getInt(columnLabel: "id"),
39         rs.getString(columnLabel: "username"),
40         rs.getString(columnLabel: "password"),
41         rs.getString(columnLabel: "full_name")
42     );
43 }
44 request.setAttribute(string: "user", o: user);
45 request.getRequestDispatcher(string: "/editUser.jsp").forward(s: request, s: response);
46 } catch (SQLException e) {
47     e.printStackTrace();
48     response.sendRedirect(string: "error.jsp");
49 }
50 }
51 }
52 }
53
54 @Override
55 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
56     int userId = Integer.parseInt(s: request.getParameter(string: "id"));
57     String username = request.getParameter(string: "username");
58     String password = request.getParameter(string: "password");
59     String fullName = request.getParameter(string: "fullName");
60
61     User user = new User(id: userId, username, password, fullName);
62     try (Connection conn = DBUtil.getConnection()) {
63         String query = "UPDATE users SET username = ?, password = ?, full_name = ? WHERE id = ?";
64         try (PreparedStatement stmt = conn.prepareStatement(sql: query)) {
65             stmt.setString(parameterIndex: 1, x: user.getUsername());
66             stmt.setString(parameterIndex: 2, x: user.getPassword());
67             stmt.setString(parameterIndex: 3, x: user.getFullName());
68             stmt.setInt(parameterIndex: 4, x: user.getId());
69         }
70     }
71     response.sendRedirect(string: "userList.jsp");
72 } catch (SQLException e) {
73     e.printStackTrace();
74     response.sendRedirect(string: "error.jsp");
75 }
76 }
77 }
```

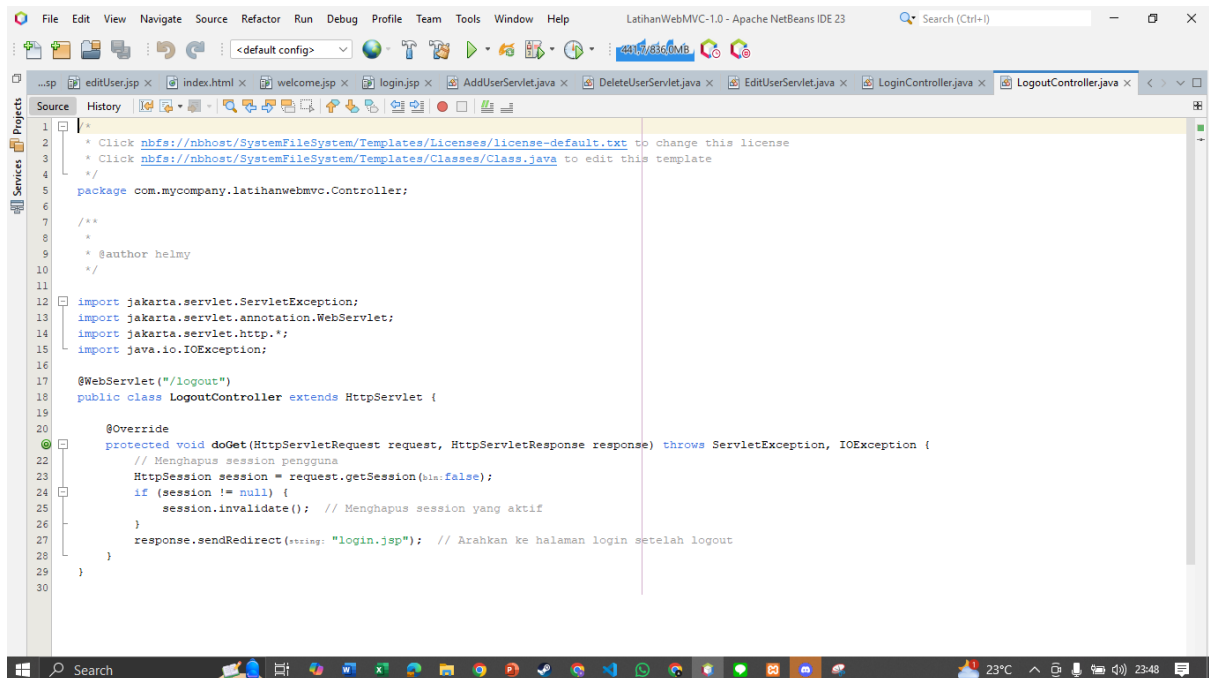
LoginController.java



The screenshot shows the NetBeans IDE with the `LoginController.java` file open. The code implements a login servlet that handles POST requests. It retrieves username and password from the request, creates a `User` object, and calls `isValidUser()`. If successful, it sets a session attribute and redirects to `welcome.jsp`. If not, it sets an error message and forwards to `login.jsp`. It also includes a catch block for exceptions.

```
16 import java.io.IOException;
17
18 @WebServlet("/login")
19 public class LoginController extends HttpServlet {
20
21     @Override
22     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
23         try {
24             // Ambil parameter dari view form login
25             String username = request.getParameter("username");
26             String password = request.getParameter("password");
27
28             // create objek User dari inputan form login
29             User user = new User(username, password);
30
31             // panggil method Validasi login dari objek User
32             if (user.isValidUser()) {
33                 // Jika login berhasil, arahkan ke halaman welcome.jsp
34                 HttpSession session = request.getSession();
35                 session.setAttribute("user", user); // Menyimpan objek User dalam session
36                 response.sendRedirect("welcome.jsp");
37             } else {
38                 // Jika login gagal, set error message dan tampilkan lagi login.jsp
39                 request.setAttribute("errorMessage", "username atau password anda salah!");
40                 request.getRequestDispatcher("login.jsp").forward(request, response);
41             }
42         } catch (ServletException | IOException e) {
43             // Jika ada error, tampilkan error page
44             response.sendError(HttpServletResponse.SC_INTERNAL_SERVER_ERROR, "Terjadi kesalahan dalam memproses request");
45         }
46     }
47 }
48
```

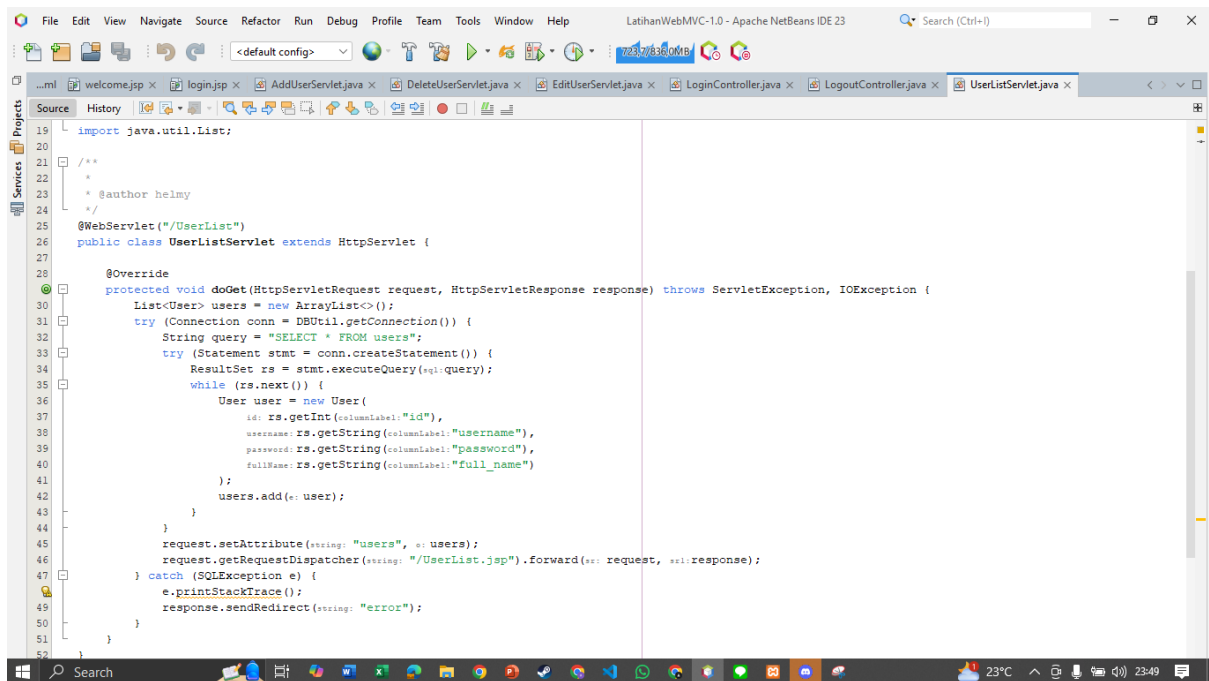
LogoutController.java



The screenshot shows the NetBeans IDE with the `LogoutController.java` file open. The code implements a logout servlet that handles GET requests. It invalidates the current session and redirects the user to `login.jsp`.

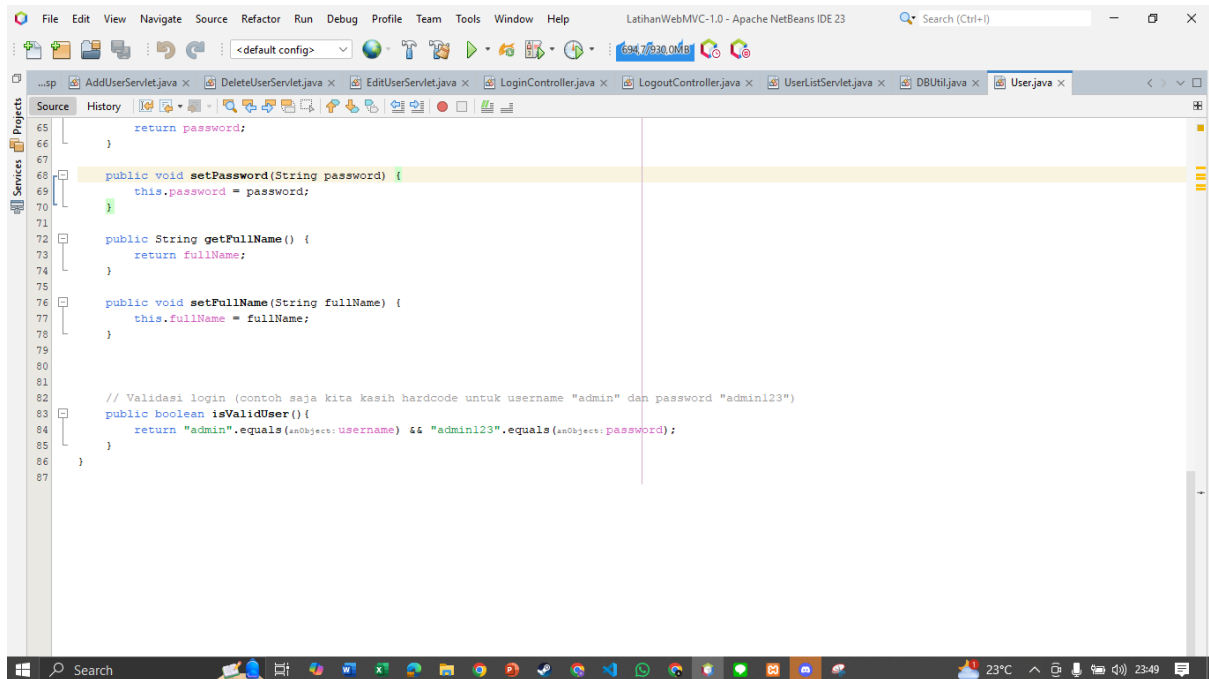
```
1 /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4  */
5 package com.mycompany.latihanwebmvc.Controller;
6
7 /**
8  *
9  * @author helmy
10  */
11
12 import jakarta.servlet.ServletException;
13 import jakarta.servlet.annotation.WebServlet;
14 import jakarta.servlet.http.*;
15 import java.io.IOException;
16
17 @WebServlet("/logout")
18 public class LogoutController extends HttpServlet {
19
20     @Override
21     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
22         // Menghapus session pengguna
23         HttpSession session = request.getSession(false);
24         if (session != null) {
25             session.invalidate(); // Menghapus session yang aktif
26         }
27         response.sendRedirect("login.jsp"); // Arahkan ke halaman login setelah logout
28     }
29 }
30
```

UserListServlet.java



```
19 import java.util.List;
20
21 /**
22  * @author helmy
23  */
24 @WebServlet("/UserList")
25 public class UserListServlet extends HttpServlet {
26
27     @Override
28     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
29         List<User> users = new ArrayList<>();
30         try (Connection conn = DBUtil.getConnection()) {
31             String query = "SELECT * FROM users";
32             try (Statement stmt = conn.createStatement()) {
33                 ResultSet rs = stmt.executeQuery(query);
34                 while (rs.next()) {
35                     User user = new User(
36                         rs.getInt(columnLabel: "id"),
37                         rs.getString(columnLabel: "username"),
38                         rs.getString(columnLabel: "password"),
39                         rs.getString(columnLabel: "full_name")
40                     );
41                     users.add(user);
42                 }
43             }
44             request.setAttribute("users", users);
45             request.getRequestDispatcher("/UserList.jsp").forward(request, response);
46         } catch (SQLException e) {
47             e.printStackTrace();
48             response.sendRedirect("error");
49         }
50     }
51 }
```

User.java



```
65     return password;
66 }
67
68 public void setPassword(String password) {
69     this.password = password;
70 }
71
72 public String getFullName() {
73     return fullName;
74 }
75
76 public void setFullName(String fullName) {
77     this.fullName = fullName;
78 }
79
80
81
82 // Validasi login (contoh saja kita kasih hardcode untuk username "admin" dan password "admin123")
83 public boolean isValidUser() {
84     return "admin".equals(username) && "admin123".equals(password);
85 }
86
87 }
```