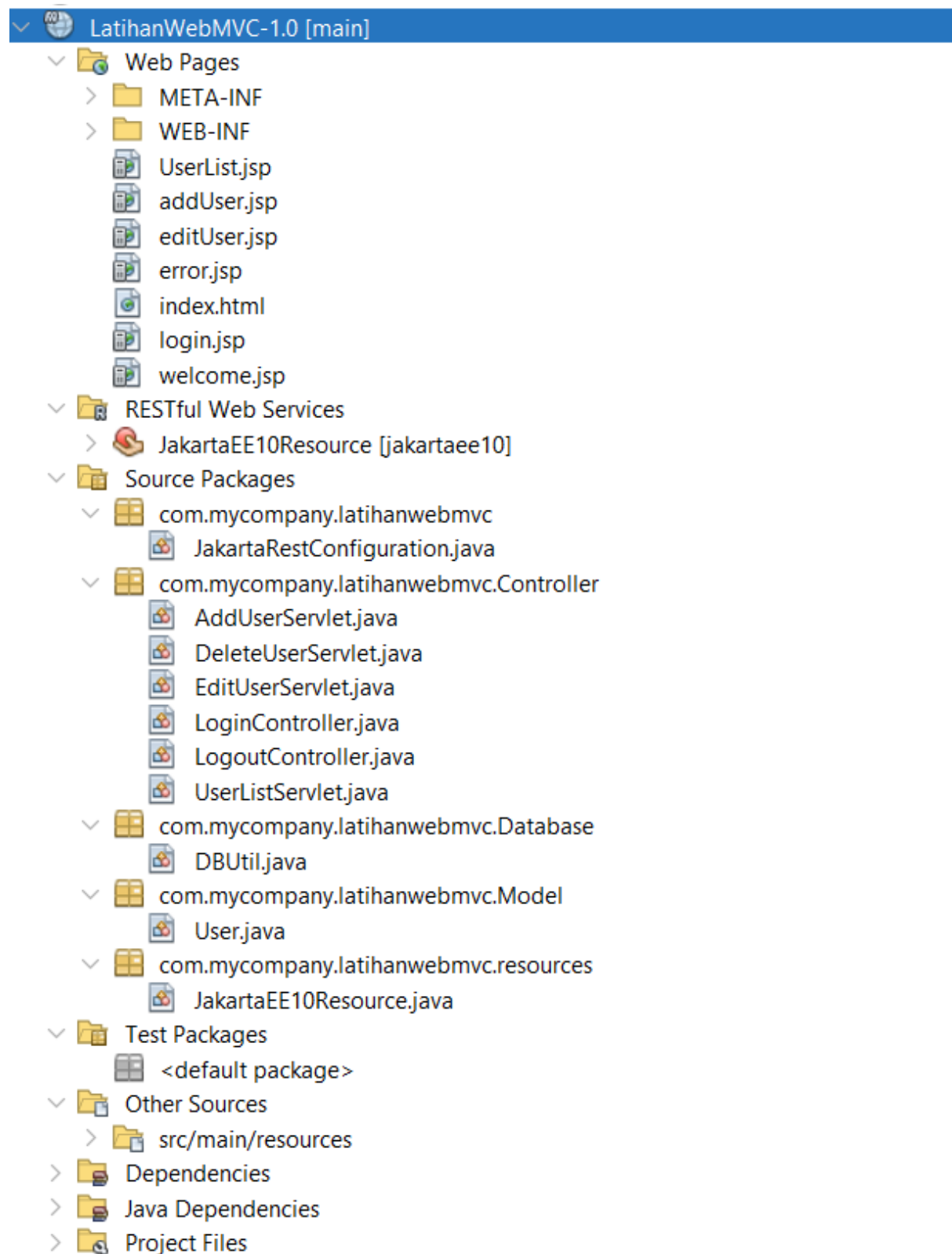


Ridho Chan

1301223432

IF 46 07



Userlist

```
UserList.jsp X
Source History
<!--
2      Document    : UserList
3      Created on   : Dec 3, 2024, 7:09:32 AM
4      Author      : helmy
5  -->

6
7  <%@page import="java.util.List"%>
8  <%@page import="com.mycompany.latihanwebmvc.Model.User"%>
9  <%@ page contentType="text/html;charset=UTF-8" language
10
11  ="java" %>
12  <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
13
14  <html>
15  <head>
16      <title>User List</title>
17  </head>
18  <body>
19      <h2>User List</h2>
20
21      <table border="1">
22          <thead>
23              <tr>
24                  <th>ID</th>
25                  <th>Username</th>
26                  <th>Full Name</th>
27                  <th>Actions</th>
28              </tr>
29          </thead>
30          <% List<User> users=(List<User>) request.getSession().getAttribute("users");%>
31          <tbody>
32              <c:forEach var="user" items="${users}">
33                  <tr>
34                      <td>${user.id}</td>
35                      <td>${user.username}</td>
36                      <td>${user.getFullName()}</td>
37
38                      <td>
39                          <a href="editUser?id=${user.id}">Edit</a> |
40                          <a href="deleteUser?id=${user.id}">Delete</a>
41                      </td>
42                  </tr>
43              </c:forEach>
44          </tbody>
45      </table>
46
47      <a href="addUser.jsp">Tambah User Baru</a>
48  </body>
49  </html>
50
```

Adduser

```

1  <!--
2      Document    : addUser.jsp
3      Created on  : 11 Dec 2024, 21.21.03
4      Author     : Victus
5  -->
6
7  <%%page contentType="text/html" pageEncoding="UTF-8"%>
8  <!DOCTYPE html>
9  <html>
10     <head>
11         <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
12         <title>JSP Page</title>
13     </head>
14     <body>
15         <h1>Menambahkan Pengguna</h1>
16
17         <h2>Input Form</h2>
18         <form action="addUser" method="post">
19
20             <label for="username">Username:</label><br>
21             <input type="text" id="username" name="username" required><br><br>
22
23             <label for="password">Password:</label><br>
24             <input type="password" id="password" name="password" required><br><br>
25
26             <label for="full_name">Full Name:</label><br>
27             <input type="text" id="full_name" name="full_name" required><br><br>
28
29             <button type="submit">Create User</button>
30         </form>
31     </body>
32 </html>
33

```

Edituser

```
1 <!--
2 Document : editUser
3 Created on : Dec 3, 2024, 7:10:29 AM
4 Author : helmy
5 -->
6
7 <%@ page contentType="text/html; charset=UTF-8" language="java" %>
8 <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
9 <%@ page import="com.mycompany.latihanwebmvc.Model.User" %>
10
11 <html>
12 <head>
13 <title>Edit User</title>
14 </head>
15 <body>
16 <h2>Edit User</h2>
17 <% User pengguna = (User) request.getSession().getAttribute("user");
18 %>
19
20 <form action="editUser" method="post">
21 <input type="hidden" name="id" value="${user.getId()}">
22 <label for="username">Username:</label>
23 <input type="text" name="username" value="${user.getUsername()}" required><br><br>
24
25 <label for="password">Password:</label>
26 <input type="password" name="password" value="${user.getPassword()}" required><br><br>
27
28 <label for="fullName">Full Name:</label>
29 <input type="text" name="full_name" value="${user.getFullName()}" required><br><br>
30
31 <button type="submit">Update User</button>
32 </form>
33 </body>
34 </html>
```

Error

```
Source History
1 <!--
2 Document : error.jsp
3 Created on : 11 Dec 2024, 21.44.16
4 Author : Victus
5 -->
6
7 <%@page contentType="text/html" pageEncoding="UTF-8"%>
8 <!DOCTYPE html>
9 <html>
10 <head>
11 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
12 <title>JSP Page</title>
13 </head>
14 <body>
15 <h1>Koneksi Gagal</h1>
16 </body>
17 </html>
18
```

index

```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="UTF-8">
5      <title>Halaman login</title>
6  </head>
7  <body>
8      <h1>Selamat Datang di halaman login</h1>
9      <a href="login.jsp">klik disini untuk login</a>
10 </body>
11 </html>
12

```

Login

```

1  <!--
2      Document      : login
3      Created on    : 26 Nov 2024, 10.58.49
4      Author       : helmy
5  -->
6
7  <%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
8
9  <html>
10 <head>
11     <title>Halaman Login</title>
12 </head>
13 <body>
14     <h2>Login</h2>
15
16     <form action="login" method="post">
17         <label for="username">Username:</label>
18         <input type="text" id="username" name="username" required><br><br>
19
20         <label for="password">Password:</label>
21         <input type="password" id="password" name="password" required><br><br>
22
23         <button type="submit">Login</button>
24     </form>
25
26     <!-- Tampilkan pesan error jika login gagal -->
27     <c:if test="${not empty errorMessage}">
28         <p style="color:red;">${errorMessage}</p>
29     </c:if>
30
31     <!-- Cek apakah pengguna sudah login, jika sudah, redirect ke welcome.jsp -->
32     <c:if test="${not empty user}">
33         <p>You are already logged in. <a href="welcome.jsp">Go to Welcome Page</a></p>
34     </c:if>
35 </body>
36 </html>
37

```

Welcome

```
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 <form action="userList" method="get">
17 <button type="submit">Melihat Data User</button>
18 </form>
19 <!-- Tombol untuk logout -->
20 <form action="logout" method="get">
21 <button type="submit">Logout</button>
22 </form>
23 </body>
24 </html>
25
26
```

Adduserservlet

```
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 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
17 import java.io.IOException;
18 import java.sql.Connection;
19 import java.sql.PreparedStatement;
20 import java.sql.SQLException;
21
22
23 @WebServlet("/addUser")
24 public class AddUserServlet extends HttpServlet {
25
26     @Override
27     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
28         String username = request.getParameter("username");
29         String password = request.getParameter("password");
30         String fullName = request.getParameter("full_name");
31
32         User user = new User(username, password, fullName);
33         try (Connection link = DBUtil.getConnection()) {
34             String query = "INSERT INTO users (username, password, full_name) VALUES (?, ?, ?)";
35             try (PreparedStatement stmt = link.prepareStatement(query)) {
36                 stmt.setString(1, user.getUsername());
37                 stmt.setString(2, user.getPassword());
38
39                 stmt.setString(3, user.getFullName());
40                 stmt.executeUpdate();
41             }
42             response.sendRedirect("/userList"); // Redirect ke halaman list setelah berhasil
43         } catch (SQLException e) {
44             e.printStackTrace();
45             response.sendRedirect("error.jsp");
46         }
47     }
48 }
```

deleteuserervlet

```
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  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(query)) {
32                  stmt.setInt(1, userId);
33                  stmt.executeUpdate();
34              }
35              response.sendRedirect("/userList");
36          } catch (SQLException e) {
37              e.printStackTrace();
38          }
39      }
40  }
41
42  }
```

```
38      response.sendRedirect("error.jsp");
39  }
40  }
41  }
42  }
```

Edituserservlet

```

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  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.ResultSet;
20  import java.sql.SQLException;
21  import java.util.logging.Level;
22  import java.util.logging.Logger;
23
24  @WebServlet("/editUser")
25  public class EditUserServlet extends HttpServlet {
26
27      @Override
28      protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
29          int userId = Integer.parseInt(request.getParameter("id"));
30          User user = null;
31          try (Connection conn = DBUtil.getConnection()) {
32              String query = "SELECT * FROM users WHERE id = ?";
33              try (PreparedStatement stmt = conn.prepareStatement(query)) {
34                  stmt.setInt(1, userId);
35                  ResultSet rs = stmt.executeQuery();
36                  if (rs.next()) {
37                      user = new User(

```

```

38                      rs.getInt("id"),
39                      rs.getString("username"),
40                      rs.getString("password"),
41                      rs.getString("full_name")
42                  );
43              }
44          }
45          request.setAttribute("user", user);
46          request.getRequestDispatcher("/editUser.jsp").forward(request, response);
47      } catch (SQLException e) {
48          e.printStackTrace();
49          response.sendRedirect("error.jsp");
50      }
51  }
52
53  @Override
54  protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
55      int userId = Integer.parseInt(request.getParameter("id"));
56      String username = request.getParameter("username");
57      String password = request.getParameter("password");
58      String fullName = request.getParameter("full_name");
59
60      User pengguna = new User(userId, username, password, fullName);
61      try (Connection link = DBUtil.getConnection()) {
62          String query = "UPDATE users SET username = ?, password = ?, full_name = ? WHERE id = ?";
63          try (PreparedStatement stmt = link.prepareStatement(query)) {
64              stmt.setString(1, username);
65              stmt.setString(2, password);
66              stmt.setString(3, fullName);
67              stmt.setInt(4, userId);
68              stmt.executeUpdate();
69          }
70          response.sendRedirect("/userList");
71      } catch (SQLException e) {
72          e.printStackTrace();
73          response.sendRedirect("error.jsp");
74      }

```

```

73      response.sendRedirect("error.jsp");
74  }
75  }
76  }
77

```


logincontroller

```
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  import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
12  import jakarta.servlet.ServletException;
13  import jakarta.servlet.http.*;
14  import jakarta.servlet.annotation.WebServlet;
15
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
30              User user = new User(username, password);
31
32              // panggil method Validasi login dari objek User
33              if (user.isValidUser()) {
34                  // Jika login berhasil, arahkan ke halaman welcome.jsp
35                  HttpSession session = request.getSession();
36                  session.setAttribute("user", user); // Menyimpan objek User dalam session
37                  response.sendRedirect("welcome.jsp");
38
39              } else {
40                  // Jika login gagal, set error message dan tampilkan lagi login.jsp
41                  request.setAttribute("errorMessage", "username atau password anda salah!");
42                  request.getRequestDispatcher("/login.jsp").forward(request, response);
43              }
44          } catch (ServletException | IOException e) {
45              // Jika ada error, tampilkan error page
46              response.sendError(HttpServletResponse.SC_INTERNAL_SERVER_ERROR, "Terjadi kesalahan dalam memproses request");
47          }
48      }
49  }
50
```

logoutcontroller

```
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

```
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  import com.mycompany.latihanwebmvc.Database.DBUtil; //import class DBUtil
8  import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
9  import jakarta.servlet.ServletException;
10 import jakarta.servlet.http.*;
11 import jakarta.servlet.annotation.WebServlet;
12
13 import java.io.IOException;
14 import java.sql.Connection;
15 import java.sql.ResultSet;
16 import java.sql.SQLException;
17 import java.sql.Statement;
18 import java.util.ArrayList;
19 import java.util.List;
20
21 /**
22 *
23 * @author helmy
24 */
25 @WebServlet("/userList")
26 public class UserListServlet extends HttpServlet {
27
28     @Override
29     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
30         List<User> users = new ArrayList<>();
31         try (Connection conn = DBUtil.getConnection()) {
32             String query = "SELECT * FROM users";
33             try (Statement stmt = conn.createStatement()) {
34                 ResultSet rs = stmt.executeQuery(query);
35                 while (rs.next()) {
36                     User user = new User(
37                         rs.getInt("id"),
38
39                         rs.getString("username"),
40                         rs.getString("password"),
41                         rs.getString("full_name")
42                     );
43                     users.add(user);
44                 }
45             }
46             request.setAttribute("users", users);
47             request.getRequestDispatcher("/UserList.jsp").forward(request, response);
48         } catch (SQLException e) {
49             e.printStackTrace();
50             response.sendRedirect("error.jsp");
51         }
52     }
53 }
```

Dbutil

```
1  Source View
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   *
6   * @author helmy
7   */
8  package com.mycompany.latihanwebmvc.Database;
9
10
11  import java.sql.Connection;
12  import java.sql.DriverManager;
13  import java.sql.SQLException;
14
15  public class DBUtil {
16      private static final String URL = "jdbc:mysql://localhost:3306/jdbc_latihan"; //url database
17      private static final String USER = "root"; // user database
18      private static final String PASSWORD = "ridho"; // password database
19
20      static {
21          try {
22              Class.forName("com.mysql.cj.jdbc.Driver");
23          } catch (ClassNotFoundException e) {
24              e.printStackTrace();
25          }
26      }
27
28      public static Connection getConnection() throws SQLException {
29          return DriverManager.getConnection(URL, USER, PASSWORD);
30      }
31  }
32
```

User

```

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.Model;
6  |  import com.mycompany.latihanwebmvc.Database.DBUtil;
7  |  import java.sql.Connection;
8  |  import java.sql.PreparedStatement;
9  |  import java.sql.ResultSet;
10 |  import java.sql.SQLException;
11 |  /**
12 |  *
13 |  * @author helmy
14 |  */
15 |  public class User {
16 |
17 |      private int id;
18 |      private String username;
19 |      private String password;
20 |      private String fullName;
21 |
22 |      // default Constructor
23 |      public User() {
24 |      }
25 |
26 |      // Constructor dengan parameter
27 |      public User(String username, String password) {
28 |          this.username=username;
29 |          this.password=password;
30 |      }
31 |
32 |      public User(String username, String password, String fullName) {
33 |          this.username = username;
34 |          this.password = password;
35 |          this.fullName = fullName;
36 |      }
37 |

```

```

38 public User(int id, String username, String password, String fullName) {
39     this.id = id;
40     this.username = username;
41     this.password = password;
42     this.fullName = fullName;
43 }
44
45 // Getter dan Setter untuk username
46 public int getId() {
47     return id;
48 }
49
50 public void setId(int id) {
51     this.id = id;
52 }
53
54 public String getUsername() {
55     return username;
56 }
57
58 public void setUsername(String username) {
59     this.username = username;
60 }
61
62 public String getPassword() {
63     return password;
64 }
65
66 public void setPassword(String password) {
67     this.password = password;
68 }
69
70 public String getFullName() {
71     return fullName;
72 }
73
74 public void setFullName(String fullName) {
75     this.fullName = fullName;
76 }
77
78 // Validasi login (contoh saja kita kasih hardcoded untuk username "admin" dan password "admin123")
79 public boolean isValidUser() {
80     try (Connection link = DBUtil.getConnection()) {
81         String query = "SELECT COUNT(*) FROM users WHERE username = ? AND password = ?";
82         try (PreparedStatement preparedStatement = link.prepareStatement(query)) {
83             preparedStatement.setString(1, username);
84             preparedStatement.setString(2, password);
85
86             try (ResultSet resultSet = preparedStatement.executeQuery()) {
87                 if (resultSet.next()) {
88                     int count = resultSet.getInt(1);
89                     return count > 0;
90                 }
91             }
92         }
93     } catch (SQLException e) {
94         e.printStackTrace();
95     }
96     return false;
97 }
98
99 }
100

```

Alur web

Tampilan pertama



Selamat Datang di halaman login


[klik disini untuk login](#)

Tampilan menu login

A screenshot of a web browser showing a login form. The address bar displays "localhost:8081/login.jsp". The form has a title "Login", a "Username:" label with a text input containing "Ridho", a "Password:" label with a password input (masked with dots) and a toggle icon, and a "Login" button.

Login

Username:

Password: 

Tampilan menu welcome

Selamat datang, Ridho! anda berhasil Login!

Melihat Data User

Logout

Tampilan user list

User List

ID	Username	Full Name	Actions
1	Ridho	Ridho Chan	Edit Delete
2	Alif	Muhammad Alif	Edit Delete
8	Haikal	Muhammad Faiz Haikal	Edit Delete

[Tambah User Baru](#)

Tampilan menu menamhkan user

Menambahkan Pengguna




Input Form

Username:

Password:

Full Name:

Setelah ditambahkan



   localhost:8081/userList


User List

ID	Username	Full Name	Actions
1	Ridho	Ridho Chan	Edit Delete
2	Alif	Muhammad Alif	Edit Delete
8	Haikal	Muhammad Faiz Haikal	Edit Delete
9	Afif	Afif Kurniawan	Edit Delete

[Tambah User Baru](#)

Menu edit



 localhost:8081/editUser?id=9



Edit User


Username:

Password:

Full Name:

Setelah di update



 localhost:8081/userList

User List

ID	Username	Full Name	Actions
1	Ridho	Ridho Chan	Edit Delete
2	Alif	Muhammad Alif	Edit Delete
8	Haikal	Muhammad Faiz Haikal	Edit Delete
9	Asep	Asep Supriyadi	Edit Delete

[Tambah User Baru](#)

Setelah user 9 di delete



localhost:8081/userList

User List

ID	Username	Full Name	Actions
1	Ridho	Ridho Chan	Edit Delete
2	Alif	Muhammad Alif	Edit Delete
8	Haikal	Muhammad Faiz Haikal	Edit Delete

[Tambah User Baru](#)