

```

import com.mycompany.latihanwebmvc.Database.DBUtil; //import class DBUtil
import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
import jakarta.servlet.ServletException;
import jakarta.servlet.http.*;
import jakarta.servlet.annotation.WebServlet;

import java.io.IOException;
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");
            } catch (SQLException e) {
                e.printStackTrace();
                response.sendRedirect("error.jsp");
            }
        }
    }
}

```

```
<%@page import="java.util.List"%>
<%@page import="com.mycompany.latihanwebmvc.Model.User"%>
<%@ page contentType="text/html;charset=UTF-8" language
="java" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
```

```
<html>
<head>
    <title>User List</title>
</head>
<body>
    <h2>User List</h2>

    <table border="1">
        <thead>
            <tr>
                <th>ID</th>
                <th>Username</th>
                <th>Full Name</th>
                <th>Actions</th>
            </tr>
        </thead>
        <% List<User>users = (List<User>) request.getSession().getAttribute("users");
        %>
        <tbody>
            <c:forEach var="user" items="{users}">
                <tr>
                    <td>${user.id}</td>
                    <td>${user.username}</td>
                    <td>${user.getFullName()}</td>

                    <td>
                        <a href="editUser?id=${user.id}">Edit</a> |
                        <a href="deleteUser?id=${user.id}">Delete</a>
                    </td>
                </tr>
            </c:forEach>
        </tbody>
    </table>

    <a href="addUser.jsp">Tambah User Baru</a>
    <a href="/logout">Logout</a>

</body>
</html>
```

```
] <%--
    Document      : addUser
    Created on    : Dec 11, 2024, 2:16:41 PM
    Author       : acer
--%>

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

      <h2>Add User</h2>

]   <form action="addUser" method="post">

      <label for="username">Username:</label>
      <input type="text" name="username" required><br><br>

      <label for="password">Password:</label>
      <input type="password" name="password" required><br><br>

      <label for="fullName">Full Name:</label>
      <input type="text" name="fullName" required><br><br>

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

```
<!--
Document : editUser
Created on : Dec 3, 2024, 7:10:29 AM
Author : helmy
-->

<%@page import="com.mycompany.latihanwebmvc.Model.User"%>
<%@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>
<% User user = (User) request.getSession().getAttribute("user");
%>
<form action="editUser" method="post">
<input type="hidden" name="id" value="{user.getId()}">
<label for="username">Username:</label>
<input type="text" name="username" value="{user.getUsername()}" required><br><br>

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

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

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

```
<!DOCTYPE html>

<html>
<head>
<meta charset="UTF-8">
<title>Halaman login</title>
</head>
<body>
<h1>Selamat Datang di halaman login</h1>
<a href="login.jsp">klik disini untuk login</a>
</body>
</html>
```

```

<!--
Document : welcome
Created on : 26 Nov 2024, 11.03.33
Author : helmy
-->

<%@page import="com.mycompany.latihanwebmvc.Model.User"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<html>
<head>
<title>Welcome Page</title>
</head>
<% User user = (User) request.getSession().getAttribute("user");
%>
<body>
<h2>Selamat datang, ${user.getUsername()}! anda berhasil Login!</h2> <!-- Menampilkan nama pengguna yang login -->
<form action="userList" method="get">
<button type="submit">Tampilkan User</button>
</form>
<!-- Tombol untuk logout -->
<form action="logout" method="get">
<button type="submit">Logout</button>
</form>
</body>
</html>

```

```

* @author helmy
*/
import com.mycompany.latihanwebmvc.Database.DBUtil; //import class DBUtil
import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
import jakarta.servlet.ServletException;
import jakarta.servlet.http.*;
import jakarta.servlet.annotation.WebServlet;

import java.io.IOException;
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");
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```

```

    *
    * @author helmy
    */
import com.mycompany.latihanwebmvc.Database.DBUtil; //import class DBUtil
import com.mycompany.latihanwebmvc.Model.User; //import class User dari Package Model
import jakarta.servlet.ServletException;
import jakarta.servlet.http.*;
import jakarta.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

@WebServlet("/deleteUser")
public class DeleteUserServlet extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        int userId = Integer.parseInt(request.getParameter("id"));
        try (Connection conn = DBUtil.getConnection()) {
            String query = "DELETE FROM users WHERE id = ?";
            try (PreparedStatement stmt = conn.prepareStatement(query)) {
                stmt.setInt(1, userId);
                stmt.executeUpdate();
            }
            response.sendRedirect("/userList");
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```

```

@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");
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```

```
<%--
Document      : login
Created on    : 26 Nov 2024, 10.58.49
Author       : helmy
--%>

<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>

<html>
<head>
    <title>Halaman Login</title>
</head>
<body>
    <h2>Login</h2>

    <form action="login" method="post">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username" required><br><br>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required><br><br>

        <button type="submit">Login</button>
    </form>

    <!-- Tampilkan pesan error jika login gagal -->
    <c:if test="${not empty errorMessage}">
        <p style="color:red;">${errorMessage}</p>
    </c:if>

    <!-- Cek apakah pengguna sudah login, jika sudah, redirect ke welcome.jsp -->
    <c:if test="${not empty user}">
        <p>You are already logged in. <a href="welcome.jsp">Go to Welcome Page</a></p>
    </c:if>
</body>
</html>
```

```

@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");
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```

```

@WebServlet("/editUser")
public class EditUserServlet extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        int userId = Integer.parseInt(request.getParameter("id"));
        User user = null;
        try (Connection conn = DBUtil.getConnection()) {
            String query = "SELECT * FROM users WHERE id = ?";
            try (PreparedStatement stmt = conn.prepareStatement(query)) {
                stmt.setInt(1, userId);
                ResultSet rs = stmt.executeQuery();
                if (rs.next()) {
                    user = new User(
                        rs.getInt("id"),
                        rs.getString("username"),
                        rs.getString("password"),
                        rs.getString("full_name")
                    );
                }
            }
            request.setAttribute("user", user);
            request.getRequestDispatcher("/editUser.jsp").forward(request, response);
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }

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

        User user = new User(userId, username, password, fullName);
        try (Connection conn = DBUtil.getConnection()) {
            String query = "UPDATE users SET username = ?, password = ?, full_name = ? WHERE id = ?";
            try (PreparedStatement stmt = conn.prepareStatement(query)) {
                stmt.setString(1, username);
                stmt.setString(2, password);
                stmt.setString(3, fullName);
                stmt.setInt(4, userId);
                stmt.executeUpdate();
            }
            response.sendRedirect("/userList");
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```



```

- - - - -
@WebServlet("/login")
public class LoginController extends HttpServlet {

    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        try {
            // Ambil parameter dari view form login
            String username = request.getParameter("username");
            String password = request.getParameter("password");

            //create objek User dari inputan form login
            User user = new User(username, password);

            // panggil method Validasi login dari objek User
            if (user.isValidUser()) {
                // Jika login berhasil, arahkan ke halaman welcome.jsp
                HttpSession session = request.getSession();
                session.setAttribute("user", user); // Menyimpan objek User dalam session
                response.sendRedirect("welcome.jsp");
            } else {
                // Jika login gagal, set error message dan tampilkan lagi login.jsp
                request.setAttribute("errorMessage", "username atau password anda salah!");
                request.getRequestDispatcher("/login.jsp").forward(request, response);
            }
        } catch (ServletException | IOException e) {
            // Jika ada error, tampilkan error page
            response.sendError(HttpServletResponse.SC_INTERNAL_SERVER_ERROR, "Terjadi kesalahan dalam memproses request");
        }
    }
}

import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.*;
import java.io.IOException;

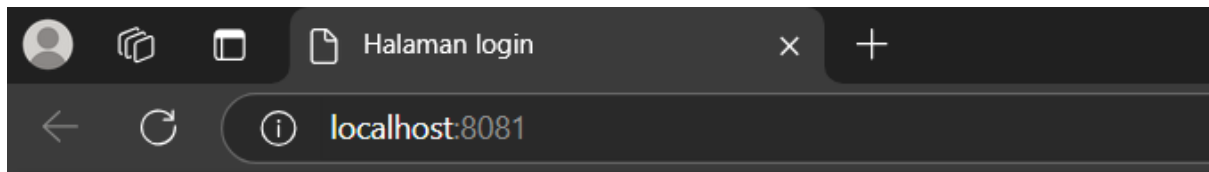
@WebServlet("/logout")
public class LogoutController extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // Menghapus session pengguna
        HttpSession session = request.getSession(false);
        if (session != null) {
            session.invalidate(); // Menghapus session yang aktif
        }
        response.sendRedirect("login.jsp"); // Arahkan ke halaman login setelah logout
    }
}

- - - - -
@WebServlet("/userList")
public class UserListServlet extends HttpServlet {

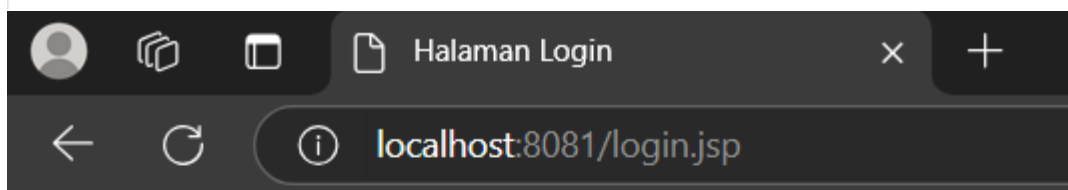
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        List<User> users = new ArrayList<>();
        try (Connection conn = DBUtil.getConnection()) {
            String query = "SELECT * FROM users";
            try (Statement stmt = conn.createStatement()) {
                ResultSet rs = stmt.executeQuery(query);
                while (rs.next()) {
                    User user = new User(
                        rs.getInt("id"),
                        rs.getString("username"),
                        rs.getString("password"),
                        rs.getString("full_name")
                    );
                    users.add(user);
                }
            }
            request.setAttribute("users", users);
            request.getRequestDispatcher("/UserList.jsp").forward(request, response);
        } catch (SQLException e) {
            e.printStackTrace();
            response.sendRedirect("error.jsp");
        }
    }
}

```



Selamat Datang di halaman login

[klik disini untuk login](#)



Login

Username:

Password:

Login

