**1. Set up your development environment:**

Install Eclipse IDE for Java EE Developers.

Install a MySQL server and create a database with a user table.

**2. Create a Dynamic Web Project:**

*Open Eclipse and create a new Dynamic Web Project.*

*Add a new HTML file (index.html) to the WebContent folder.*

<!-- index.html -->

<!DOCTYPE html>

<html>

<head>

<title>Simple Web App</title>

</head>

<body>

<h1>Welcome to Simple Web App</h1>

<a href="registration.jsp">Register</a>

<br>

<a href="login.jsp">Login</a>

</body>

</html>

**3. Create a registration form using JSP:**

*Add a new JSP file (registration.jsp) for user registration.*

<!-- registration.jsp -->

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<title>Registration</title>

</head>

<body>

<h2>Registration</h2>

<form action="RegisterServlet" method="post">

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

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

<input type="submit" value="Register">

</form>

</body>

</html>

**4. Create a login form using JSP:**

*Add a new JSP file (login.jsp) for user login.*

<!-- login.jsp -->

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login</h2>

<form action="LoginServlet" method="post">

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

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

<input type="submit" value="Login">

</form>

</body>

</html>

**5. Create a Servlet for user registration:**

*Create a new Java class (RegisterServlet.java) to handle user registration.*

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.sql.\*;

public class RegisterServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String username = request.getParameter("username");

String password = request.getParameter("password");

try {

// Establish database connection (update with your database credentials)

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/your\_database", "your\_username", "your\_password");

// Perform the registration

String query = "INSERT INTO users (username, password) VALUES (?, ?)";

try (PreparedStatement pst = conn.prepareStatement(query)) {

pst.setString(1, username);

pst.setString(2, password);

pst.executeUpdate();

}

// Close the database connection

conn.close();

// Redirect to login page after successful registration

response.sendRedirect("login.jsp");

} catch (SQLException e) {

e.printStackTrace();

}

}

}

**6. Create a Servlet for user login:**

*Create a new Java class (LoginServlet.java) to handle user login.*

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.sql.\*;

public class LoginServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

String username = request.getParameter("username");

String password = request.getParameter("password");

try {

// Establish database connection (update with your database credentials)

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/your\_database", "your\_username", "your\_password");

// Check if the user credentials are valid

String query = "SELECT \* FROM users WHERE username=? AND password=?";

try (PreparedStatement pst = conn.prepareStatement(query)) {

pst.setString(1, username);

pst.setString(2, password);

try (ResultSet rs = pst.executeQuery()) {

if (rs.next()) {

// User authenticated, redirect to a welcome page

response.sendRedirect("welcome.jsp");

} else {

// Invalid credentials, redirect to login page

response.sendRedirect("login.jsp");

}

}

}

// Close the database connection

conn.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

}

**7. Create a welcome page using JSP:**

*Add a new JSP file (welcome.jsp) to display a welcome message after login.*

<!-- welcome.jsp -->

<%@ page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<title>Welcome</title>

</head>

<body>

<h2>Welcome to the Simple Web App</h2>

<p>You have successfully logged in!</p>

</body>

</html>

**8. Deploy and run the application:**

*Right-click on your project, select "Run As" -> "Run on Server."*

*Choose a server (like Apache Tomcat) and complete the setup.*