**LOGIN AND REGISTRATION FORM**

**INTRODUCTION:**

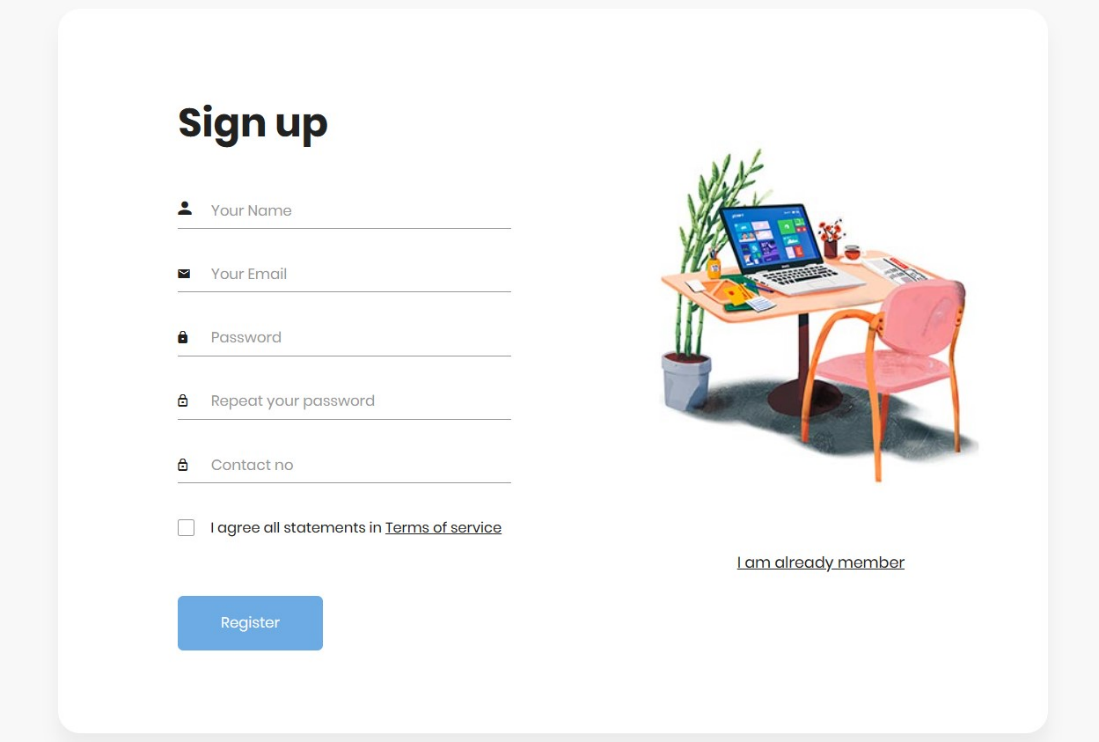
The introduction typically starts by explaining the purpose and importance of the project. It may mention that the project aims to demonstrate how to create a user authentication system for a web application.The introduction might also discuss the technologies that will be used in the project, such as JSP (JavaServer Pages), Servlets, and MySQL, and why they are suitable for this purpose.It could include a brief overview of what users can expect to learn by following the tutorial, such as how to create user registration forms, handle user data securely, and implement user authentication.The introduction may set the context by mentioning the relevance of user authentication and registration in web development, emphasizing the importance of security and user data management.It might also provide an outline of the tutorial series, stating whether it's a standalone tutorial or part of a series, and briefly describe what will be covered in each section or part.Finally, the introduction often encourages the readers or viewers to follow along with the tutorial and may mention any prerequisites, such as prior knowledge of Java, HTML, or databases.Remember, the specific content and style of the introduction may vary from one tutorial to another, but it serves to set the stage and provide context for the project and its objectives.

**SCOPE:**

The scope of the project "Registration page with saving data in DB using Servlet + JSP + JDBC + MySQL + Tomcate (Step by Step)" involves creating a web application that allows users to register and save their data in a MySQL database. It includes designing and implementing the registration form, validating user input, and securely storing the data in the database. The project aims to provide a step-by-step guide on how to build a registration page using Servlet, JSP, JDBC, MySQL, and Tomcat.

* User Registration: Users should be able to create accounts by providing essential information such as username, email, password, etc.
* Database Integration: The project would involve setting up a MySQL database to store user account information securely. This includes creating tables to store user data.
* Validation and Error Handling: Proper validation of user input is crucial to ensure data integrity and security. You should validate user input to prevent malicious or incorrect data from being saved in the database.
* User Login: Registered users should be able to log in using their credentials (e.g., username and password).
* Session Management: The project should implement session management to keep track of user sessions once they have logged in. This allows users to navigate the application while maintaining their authentication status.
* Security Considerations: Security is critical in any login and registration system. You should consider using techniques like password hashing to store passwords securely, and you should protect against common security threats like SQL injection and cross-site scripting (XSS).
* User Interface (UI): A user-friendly and responsive user interface should be developed using JSP (JavaServer Pages) to allow users to interact with the system.
* User Authentication: After login, authenticated users may have access to certain features or data that's restricted to logged-in users.
* Password Reset: You might include a mechanism for users to reset their passwords if they forget them.
* Email Confirmation: It's common to send a confirmation email to new users to verify their email addresses during registration.
* Profile Management: Users should be able to update their profile information, change passwords, and perform other account management tasks.
* Logging and Reporting: Implementing logs and reporting mechanisms for system administrators to monitor user activities and system health.
* Data Retrieval and Display: If the application deals with more than just user accounts (e.g., displaying user-specific data or content), it would involve retrieving data from the database and displaying it to the users.
* Testing and Quality Assurance: Thorough testing should be performed to ensure that the system works as expected and is free from vulnerabilities.
* Documentation: Proper documentation for the codebase, database schema, and usage instructions for administrators and users.

**Registration Form:**



**Tools and technologies used**

⦁ Tools and technologies used

⦁ JSP - 2.2 +

⦁ IDE - STS/Eclipse Neon.3

⦁ JDK - 1.8 or later

⦁ Apache Tomcat - 8.5

⦁ JSTL - 1.2.1

⦁ Servlet API - 2.5

⦁ MySQL - mysql-connector-java-8.0.13.jarIDE - STS/Eclipse Neon.3

**Development Steps**

1. Create an Eclipse Dynamic Web Project

2. Add Dependencies

3. Project Structure

4. MySQL Database Setup

5. Create a JavaBean - Employee.java

6. Create a EmployeeDao.java

7. Create a EmployeeServlet.java

8. Create a employeeregister.jsp

9. Create a employeedetail.jsp

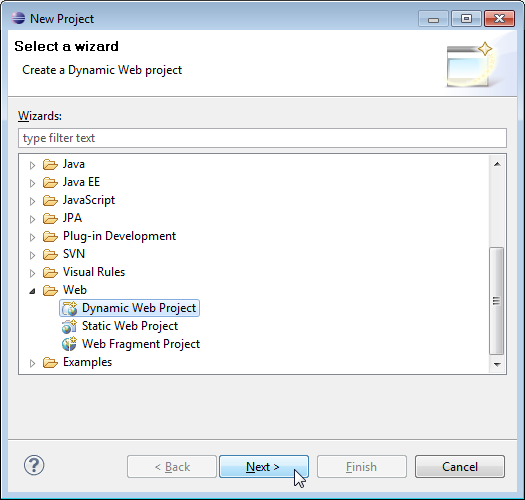
10. Demo

**1. Create an Eclipse Dynamic Web Project**

To create a new dynamic Web project in Eclipse:

1. On the main menu select File > New > Project....

2. In the upcoming wizard choose Web > Dynamic Web Project.



3. Click Next.

4. Enter project name as "jsp-servlet-jdbc-mysql-example";

5. Make sure that the target runtime is set to Apache Tomcat with the currently supported version.

**2. Add Dependencies**

⦁ Add the latest release of below jar files to the lib folder.

⦁ jsp-api.2.3.1.jar

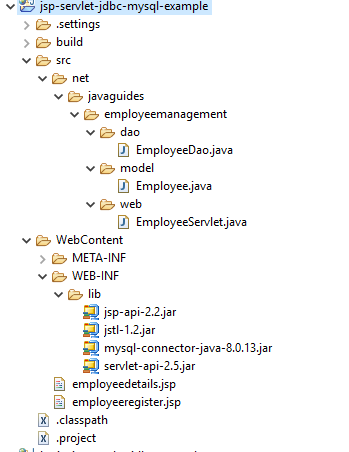
⦁ servlet-api.2.3.jar

⦁ mysql-connector-java-8.0.13.jar

⦁ jstl-1.2.jar

**3. Project Structure**

Standard project structure for your reference -



**4. MySQL Database Setup**

Let's create a database named "employees" in MySQL. Now, let's create an employee table using below DDL script:

CREATE TABLE `employee` (

`id` int(3) NOT NULL AUTO\_INCREMENT,

`first\_name` varchar(20),

`last\_name` varchar(20),

`username` varchar(250),

`password` varchar(20),

`address` varchar(45),

`contact` varchar(45),

PRIMARY KEY (`id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci;

**5. Create a RegisterServlet.java**

package com.uniquedeveloper.registration;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

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;

/\*\*

\* Servlet implementation class Login

\*/

@WebServlet("/Login")

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

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

HttpSession session= request.getSession();

RequestDispatcher dispatcher = null;

try{

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/signup?useSSL=false","root","12345") ;

PreparedStatement pst = con.prepareStatement("select \* from users where uemail = ? and upwd = ?");

pst.setString(1, uemail);

pst.setString(2,upwd);

ResultSet rs = pst.executeQuery();

if(rs.next())

{

session.setAttribute("name", rs.getString("uname"));

dispatcher = request.getRequestDispatcher("index.jsp");

}else

{

request.setAttribute("status", "failed");

dispatcher = request.getRequestDispatcher("login.jsp");

}

dispatcher.forward(request, response);

}catch(Exception e)

{

e.printStackTrace();

}

}

}

**6.Create a Loginginsevlet.java**

package com.uniquedeveloper.registration;

import java.io.IOException;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

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;

/\*\*

\* Servlet implementation class Login

\*/

@WebServlet("/Login")

public class Login extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

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

HttpSession session= request.getSession();

RequestDispatcher dispatcher = null;

try{

Class.forName("com.mysql.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/signup?useSSL=false","root","12345") ;

PreparedStatement pst = con.prepareStatement("select \* from users where uemail = ? and upwd = ?");

pst.setString(1, uemail);

pst.setString(2,upwd);

ResultSet rs = pst.executeQuery();

if(rs.next())

{

session.setAttribute("name", rs.getString("uname"));

dispatcher = request.getRequestDispatcher("index.jsp");

}else

{

request.setAttribute("status", "failed");

dispatcher = request.getRequestDispatcher("login.jsp");

}

dispatcher.forward(request, response);

}catch(Exception e)

{

e.printStackTrace();

}

}

}

**7.Create a Logoutservlet.java**

package com.uniquedeveloper.registration;

import java.io.IOException;

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;

/\*\*

\* Servlet implementation class Logout

\*/

@WebServlet("/Logout")

public class Logout extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

HttpSession session = request.getSession();

session.invalidate();

response.sendRedirect("login.jsp");

}

}

**8.Create a Login.jsp**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Sign Up Form by Colorlib</title>

<!-- Font Icon -->

<link rel="stylesheet"

href="fonts/material-icon/css/material-design-iconic-font.min.css">

<!-- Main css -->

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<input type ="hidden" id ="status" value ="<%= request.getAttribute("status") %>">

<div class="main">

<!-- Sing in Form -->

<section class="sign-in">

<div class="container">

<div class="signin-content">

<div class="signin-image">

<figure>

<img src="images/signin-image.jpg" alt="sing up image">

</figure>

<a href="registration.jsp" class="signup-image-link">Create an account</a>

</div>

<div class="signin-form">

<h2 class="form-title">Sign in</h2>

<form method="post" action="Login" class="register-form" id="login-form">

<div class="form-group">

<label for="username"><I class="zmdi zmdi-account material-icons-name"></i></label> <input type="text" name="username" id="username"placeholder="Your Name" />

</div>

<div class="form-group">

<label for="password"><i class="zmdi zmdi-lock"></i></label> <input type="password" name="password" id="password" placeholder="Password" />

</div>

<div class="form-group">

<input type="checkbox" name="remember-me" id="remember-me"class="agree-term" /> <label for="remember-me"class="label-agree-term"><span><span></span></span>Remembeme</label>

</div>

<div class="form-group form-button">

<input type="submit" name="signin" id="signin"class="form-submit" value="Log in" />

</div>

</form>

<div class="social-login">

<span class="social-label">Or login with</span><ul class="socials"><li><a href="#"><iclass="display-flex-center zmdi zmdi-facebook"></i></a></li>

<li><a href="#"><iclass="display-flex-center zmdi zmdi-twitter"></i></a></li>

<li><a href="#"><iclass="display-flex-center zmdi zmdi-google"></i></a></li>

</ul>

</div>

</div>

</div>

</div>

</section>

</div>

<!-- JS --><script src="vendor/jquery/jquery.min.js"></script>

<script src="js/main.js"></script>

<script src="https://unpkg.com/sweetalert/dist/sweetalert.min.js"></script>

<link rel="stylesheet" href ="alert/dist/sweetalert.css">

<script type="text/javascript"> var status = document.getElementById("status").value;

if(status == "success")

{

swal("Sorry","Wrong Username or Password","failed");

}

</body>

<!-- This templates was made by Colorlib (https://colorlib.com) -->

</html>

**9.create a Registration.jsp**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>Sign Up Form by Colorlib</title>

<!-- Font Icon -->

<link rel="stylesheet"

href="fonts/material-icon/css/material-design-iconic-font.min.css">

<!-- Main css -->

<link rel="stylesheet" href="css/style.css">

</head>

<body>

<input type ="hidden" id ="status" value ="<%= request.getAttribute("status") %>">

<div class="main">

<!-- Sign up form -->

<section class="signup">

<div class="container">

<div class="signup-content">

<div class="signup-form">

<h2 class="form-title">Sign up</h2>

<form method="post" action="register" class="register-form"id="register-form">

<div class="form-group">

<label for="name"><iclass="zmdi zmdi-account material-icons-name"></i>

</label> <input type="text" name="name" id="name" placeholder="Your Name" />

</div>

<div class="form-group">

<label for="email"><i class="zmdi zmdi-email"></i></label>

<input type="email" name="email"id="email" placeholder="Your Email" />

</div>

<div class="form-group">

<label for="pass"><i class="zmdi zmdi-lock"></i></label>

<input type="password" name="pass" id="pass" placeholder="Password" />

</div>

<div class="form-group">

<label for="re-pass"><i class="zmdi zmdi-lock-outline"></i>

</label><input type="password" name="re\_pass" id="re\_pass"placeholder="Repeat your password" />

</div>

<div class="form-group">

<label for="contact"><i class="zmdi zmdi-lock-outline"></i></label>

<input type="text" name="contact" id="contact"placeholder="Contact no" />

</div>

<div class="form-group">

<input type="checkbox" name="agree-term" id="agree-term"class="agree-term" />

<label for="agree-term"class="label-agree-term">

<span>

<span>

</span>

</span>Iagree all statements in <a href="#" class="term-service">Terms of service</a></label>

</div>

<div class="form-group form-button">

<input type="submit" name="signup" id="signup" class="form-submit" value="Register" />

</div>

</form>

</div>

<div class="signup-image">

<figure> <img src="images/signup-image.jpg" alt="sing up image">

</figure>

<a href="login.jsp" class="signup-image-link">I am already member</a>

</div>

</div>

</div>

</section>

</div>

<!-- JS -->

<script src="vendor/jquery/jquery.min.js"></script>

<script src="js/main.js"></script>

<script src="https://unpkg.com/sweetalert/dist/sweetalert.min.js"></script>

<link rel="stylesheet" href ="alert/dist/sweetalert.css">

<script type="text/javascript">

var status = document.getElementById("status").value;

if(status == "success")

{

swal("Congrats","Account Created Successfully","success" );

}

</script>

</body>

<!-- This templates was made by Colorlib (https://colorlib.com) -->

</html>

**10.Create a index.jsp**

<%

if(session.getAttribute("name")==null){

response.sendRedirect("login.jsp");

}

%>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="viewport"

content="width=device-width, initial-scale=1, shrink-to-fit=no" />

<meta name="description" content="" />

<meta name="author" content="" />

<title>Freelancer - Start Bootstrap Theme</title>

<!-- Favicon-->

<link rel="icon" type="image/x-icon" href="assets/favicon.ico" />

<!-- Font Awesome icons (free version)-->

<script src="https://use.fontawesome.com/releases/v5.15.4/js/all.js"

crossorigin="anonymous"></script>

<!-- Google fonts-->

<link href="https://fonts.googleapis.com/css?family=Montserrat:400,700"

rel="stylesheet" type="text/css" />

<link

href="https://fonts.googleapis.com/css?family=Lato:400,700,400italic,700italic"

rel="stylesheet" type="text/css" />

<!-- Core theme CSS (includes Bootstrap)-->

<link href="css/index-styles.css" rel="stylesheet" />

</head>

<body id="page-top">

<!-- Navigation-->

<nav

class="navbar navbar-expand-lg bg-secondary text-uppercase fixed-top"

id="mainNav">

<div class="container">

<a class="navbar-brand" href="#page-top">Unique Developer</a>

<button class="navbar-toggler text-uppercase font-weight-bold bg-primary text-white rounded"

type="button" data-bs-toggle="collapse"

data-bs-target="#navbarResponsive" aria-controls="navbarResponsive"

aria-expanded="false" aria-label="Toggle navigation">Menu <i class="fas fa-bars"></i>

</button>

<div class="collapse navbar-collapse" id="navbarResponsive">

<ul class="navbar-nav ms-auto">

<li class="nav-item mx-0 mx-lg-1"><a class="nav-link py-3 px-0 px-lg-3 rounded" href="#portfolio">Portfolio</a></li>

<li class="nav-item mx-0 mx-lg-1"><a class="nav-link py-3 px-0 px-lg-3 rounded" href="#about">About</a></li>

<li class="nav-item mx-0 mx-lg-1"><a class="nav-link py-3 px-0 px-lg-3 rounded" href="#contact">Contact</a></li>

<li class="nav-item mx-0 mx-lg-1"><a class="nav-link py-3 px-0 px-lg-3 rounded" href="Logout">Logout</a></li>

<li class="nav-item mx-0 mx-lg-1 bg-danger">

<aclass="nav-link py-3 px-0 px-lg-3 rounded" href=""><%=session.getAttribute("name") %></a></li>

</ul>

</div>

</div>

</nav>

<!-- Masthead-->

<header class="masthead bg-primary text-white text-center">

<div class="container d-flex align-items-center flex-column">

<!-- Masthead Avatar Image-->

<img class="masthead-avatar mb-5" src="assets/img/avataaars.svg"alt="..." />

<!-- Masthead Heading-->

<h1 class="masthead-heading text-uppercase mb-0">Welcome To Unique Developer</h1>

<!-- Icon Divider-->

<div class="divider-custom divider-light">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Masthead Subheading-->

<p class="masthead-subheading font-weight-light mb-0">Java

Development - Web Development - Python</p>

</div>

</header>

<!-- Portfolio Section-->

<section class="page-section portfolio" id="portfolio">

<div class="container">

<!-- Portfolio Section Heading-->

<h2

class="page-section-heading text-center text-uppercase text-secondary mb-0">Portfolio</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Grid Items-->

<div class="row justify-content-center">

<!-- Portfolio Item 1-->

<div class="col-md-6 col-lg-4 mb-5">

<div class="portfolio-item mx-auto" data-bs-toggle="modal"

data-bs-target="#portfolioModal1">

<div

class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">

<div

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div>

<img class="img-fluid" src="assets/img/portfolio/cabin.png"

alt="..." />

</div>

</div>

<!-- Portfolio Item 2-->

<div class="col-md-6 col-lg-4 mb-5">

<div class="portfolio-item mx-auto" data-bs-toggle="modal"

data-bs-target="#portfolioModal2">

<div

class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">

<div

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div>

<img class="img-fluid" src="assets/img/portfolio/cake.png"alt="..." />

</div>

</div>

<!-- Portfolio Item 3-->

<div class="col-md-6 col-lg-4 mb-5">

<div class="portfolio-item mx-auto" data-btoggle="modal"data-bs-target="#portfolioModal3">

<div>

class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">

<div

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div>

<img class="img-fluid" src="assets/img/portfolio/circus.png"alt="..." />

</div>

</div>

<!-- Portfolio Item 4-->

<div class="col-md-6 col-lg-4 mb-5 mb-lg-0">

<div class="portfolio-item mx-auto" data-btoggle="modal"data-bs-target="#portfolioModal4">

<div

class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100"><div>

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div>

<img class="img-fluid" src="assets/img/portfolio/game.png"alt="..." />

</div>

</div>

<!-- Portfolio Item 5-->

<div class="col-md-6 col-lg-4 mb-5 mb-md-0">

<div class="portfolio-item mx-auto" data-bs-toggle="modal”data-bs-target="#portfolioModal5">

<div class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100">

<div

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div

<img class="img-fluid" src="assets/img/portfolio/safe.png"alt="..." />

</div>

</div>

<!-- Portfolio Item 6-->

<div class="col-md-6 col-lg-4">

<div class="portfolio-item mx-auto" data-bs-toggle="modal"data-bs-target="#portfolioModal6">

<div class="portfolio-item-caption d-flex align-items-center justify-content-center h-100 w-100"> <div

class="portfolio-item-caption-content text-center text-white">

<i class="fas fa-plus fa-3x"></i>

</div>

</div>

<img class="img-fluid" src="assets/img/portfolio/submarine.png"alt="..." />

</div>

</div>

</div>

</div>

</section>

<!-- About Section-->

<section class="page-section bg-primary text-white mb-0" id="about">

<div class="container">

<!-- About Section Heading-->

<h2

class="page-section-heading text-center text-uppercase text-white">About</h2>

<!-- Icon Divider-->

<div class="divider-custom divider-light">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- About Section Content-->

<div class="row">

<div class="col-lg-4 ms-auto">

<p class="lead">Freelancer is a free bootstrap theme created by

Start Bootstrap. The download includes the complete source files

including HTML, CSS, and JavaScript as well as optional SASS

stylesheets for easy customization.</p>

</div>

<div class="col-lg-4 me-auto">

<p class="lead">You can create your own custom avatar for the

masthead, change the icon in the dividers, and add your email address to the contact form to make it fully functional!</p>

</div>

</div>

<!-- About Section Button-->

<div class="text-center mt-4">

<a class="btn btn-xl btn-outline-light"

href="https://startbootstrap.com/theme/freelancer/"> <i

class="fas fa-download me-2"></i> Free Download!

</a>

</div>

</div>

</section>

<!-- Contact Section-->

<section class="page-section" id="contact">

<div class="container">

<!-- Contact Section Heading-->

<h2

class="page-section-heading text-center text-uppercase text-secondary mb-0">Contact

Me</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Contact Section Form-->

<div class="row justify-content-center">

<div class="col-lg-8 col-xl-7">

<!-- \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*-->

<!-- \* \* SB Forms Contact Form \* \*-->

<!-- \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*-->

<!-- This form is pre-integrated with SB Forms.-->

<!-- To make this form functional, sign up at-->

<!-- https://startbootstrap.com/solution/contact-forms-->

<!-- to get an API token!-->

<form id="contactForm" data-sb-form-api-token="API\_TOKEN">

<!-- Name input-->

<div class="form-floating mb-3">

<input class="form-control" id="name" type="text"

placeholder="Enter your name..." data-sb-validations="required" />

<label for="name">Full name</label>

<div class="invalid-feedback" data-sb-feedback="name:required">A name is required.</div>

</div>

<!-- Email address input-->

<div class="form-floating mb-3">

<input class="form-control" id="email" type="email placeholder="name@example.com"data-sb-validations="required,email" /> <label for="email">Email address</label>

<div class="invalid-feedback" data-sb-feedback="email:required">An email is required.</div>

<div class="invalid-feedback" data-sb-feedback="email:email">Emai is not valid.</div>

</div>

<!-- Phone number input-->

<div class="form-floating mb-3">

<input class="form-control" id="phone" type="tel"

placeholder="(123) 456-7890" data-sb-validations="required" />

<label for="phone">Phone number</label>

<div class="invalid-feedback" data-sb-feedback="phone:required">A

phone number is required.</div>

</div>

<!-- Message input-->

<div class="form-floating mb-3">

<textarea class="form-control" id="message" type="text"placeholder="Enter your message here..." style="height: 10rem"data-sb-validations="required"></textarea>

<label for="message">Message</label>

<div class="invalid-feedback" data-sb-feedback="message:required">A message is required.</div>

</div>

<!-- Submit success message-->

<!---->

<!-- This is what your users will see when the form-->

<!-- has successfully submitted-->

<div class="d-none" id="submitSuccessMessage">

<div class="text-center mb-3">

<div class="fw-bolder">Form submission successful!</div>

To activate this form, sign up at <br /> <a

href="https://startbootstrap.com/solution/contact-forms">https://startbootstrap.com/solution/contact-forms</a>

</div>

</div>

<!-- Submit error message-->

<!---->

<!-- This is what your users will see when there is-->

<!-- an error submitting the form-->

<div class="d-none" id="submitErrorMessage">

<div class="text-center text-danger mb-3">Error sending

message!</div>

</div>

<!-- Submit Button-->

<button class="btn btn-primary btn-xl disabled" id="submitButton"

type="submit">Send</button>

</form>

</div>

</div>

</div>

</section>

<!-- Footer-->

<footer class="footer text-center">

<div class="container">

<div class="row">

<!-- Footer Location-->

<div class="col-lg-4 mb-5 mb-lg-0">

<h4 class="text-uppercase mb-4">Location</h4>

<p class="lead mb-0">

2215 John Daniel Drive <br /> Clark, MO 65243

</p>

</div>

<!-- Footer Social Icons-->

<div class="col-lg-4 mb-5 mb-lg-0">

<h4 class="text-uppercase mb-4">Around the Web</h4>

<a class="btn btn-outline-light btn-social mx-1" href="#!<i

class="fab fa-fw fa-facebook-f"></i></a> <a

class="btn btn-outline-light btn-social mx-1" href="#!"><i

class="fab fa-fw fa-twitter"></i></a> <a

class="btn btn-outline-light btn-social mx-1" href="#!"><i

class="fab fa-fw fa-linkedin-in"></i></a> <a

class="btn btn-outline-light btn-social mx-1" href="#!"><i

class="fab fa-fw fa-dribbble"></i></a>

</div>

<!-- Footer About Text-->

<div class="col-lg-4">

<h4 class="text-uppercase mb-4">About Freelancer</h4>

<p class="lead mb-0">

Freelance is a free to use, MIT licensed Bootstrap theme created

by <a href="http://startbootstrap.com">Start Bootstrap</a> .

</p>

</div>

</div>

</div>

</footer>

<!-- Copyright Section-->

<div class="copyright py-4 text-center text-white">

<div class="container">

<small>Copyright &copy; Your Website 2021</small>

</div>

</div>

<!-- Portfolio Modals-->

<!-- Portfolio Modal 1-->

<div class="portfolio-modal modal fade" id="portfolioModal1"

tabindex="-1" aria-labelledby="portfolioModal1" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close"></button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Log

Cabin</h2>

<!-- Icon Divider-->

<<div class="divider-custom-line"></div><div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5"src="assets/img/portfolio/cabin.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velit

asperiores, vitae? Reprehenderit soluta, eos quod consequunturitaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Portfolio Modal 2-->

<div class="portfolio-modal modal fade" id="portfolioModal2"

tabindex="-1" aria-labelledby="portfolioModal2" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close"></button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Tasty

Cake</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5"src="assets/img/portfolio/cake.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velit asperiores, vitae? Reprehenderit soluta, eos quod consequunturitaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Portfolio Modal 3-->

<div class="portfolio-modal modal fade" id="portfolioModal3"

tabindex="-1" aria-labelledby="portfolioModal3" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close"></button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Circus

Tent</h2>

<!-- Icon Divider-->

<div class="divider-custom"><div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5 src="assets/img/portfolio/circus.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velit

asperiores, vitae? Reprehenderit soluta, eos quod consequunturitaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Portfolio Modal 4-->

<div class="portfolio-modal modal fade" id="portfolioModal4"

tabindex="-1" aria-labelledby="portfolioModal4" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close"></button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Controller</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5"src="assets/img/portfolio/game.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velitasperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Portfolio Modal 5-->

<div class="portfolio-modal modal fade" id="portfolioModal5"

tabindex="-1" aria-labelledby="portfolioModal5" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close">

</button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Locked

Safe</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5"src="assets/img/portfolio/safe.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velit

asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Portfolio Modal 6-->

<div class="portfolio-modal modal fade" id="portfolioModal6"

tabindex="-1" aria-labelledby="portfolioModal6" aria-hidden="true">

<div class="modal-dialog modal-xl">

<div class="modal-content">

<div class="modal-header border-0">

<button class="btn-close" type="button" data-bs-dismiss="modal"aria-label="Close"></button>

</div>

<div class="modal-body text-center pb-5">

<div class="container">

<div class="row justify-content-center">

<div class="col-lg-8">

<!-- Portfolio Modal - Title-->

<h2

class="portfolio-modal-title text-secondary text-uppercase mb-0">Submarine</h2>

<!-- Icon Divider-->

<div class="divider-custom">

<div class="divider-custom-line"></div>

<div class="divider-custom-icon">

<i class="fas fa-star"></i>

</div>

<div class="divider-custom-line"></div>

</div>

<!-- Portfolio Modal - Image-->

<img class="img-fluid rounded mb-5"src="assets/img/portfolio/submarine.png" alt="..." />

<!-- Portfolio Modal - Text-->

<p class="mb-4">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Mollitia neque assumenda ipsam nihil,molestias magnam, recusandae quos quis inventore quisquam velit

asperiores, vitae? Reprehenderit soluta, eos quod consequuntur itaque. Nam.</p>

<button class="btn btn-primary" href="#!"data-bs-dismiss="modal">

<i class="fas fa-times fa-fw"></i> Close Window

</button>

</div>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Bootstrap core JS-->

<script

src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>

<!-- Core theme JS-->

<script src="js/scripts.js"></script>

<!-- \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*-->

<!-- \* \* SB Forms JS \* \*-->

<!-- \* \* Activate your form at https://startbootstrap.com/solution/contact-forms \* \*-->

<!-- \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*-->

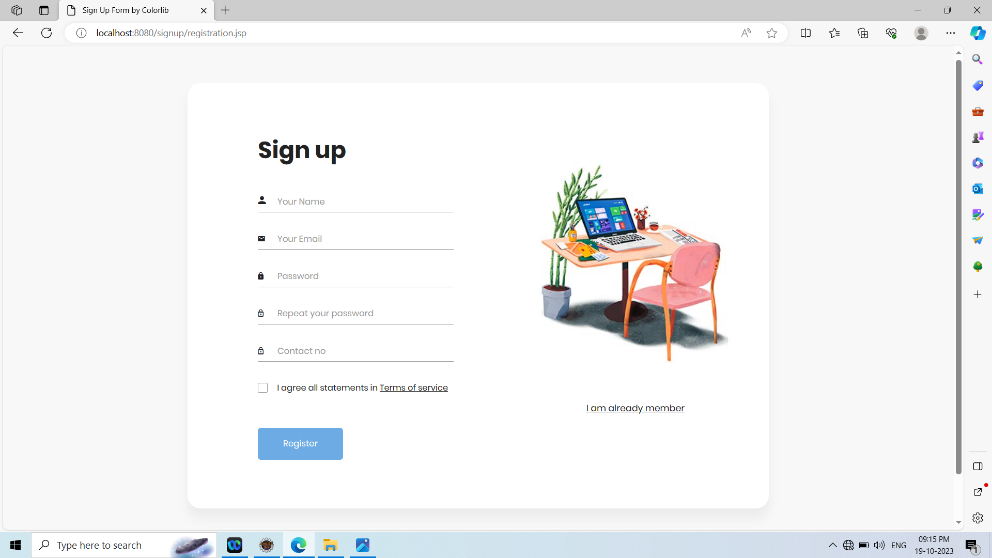
<script src="https://cdn.startbootstrap.com/sb-forms-latest.js"></script>

</body>

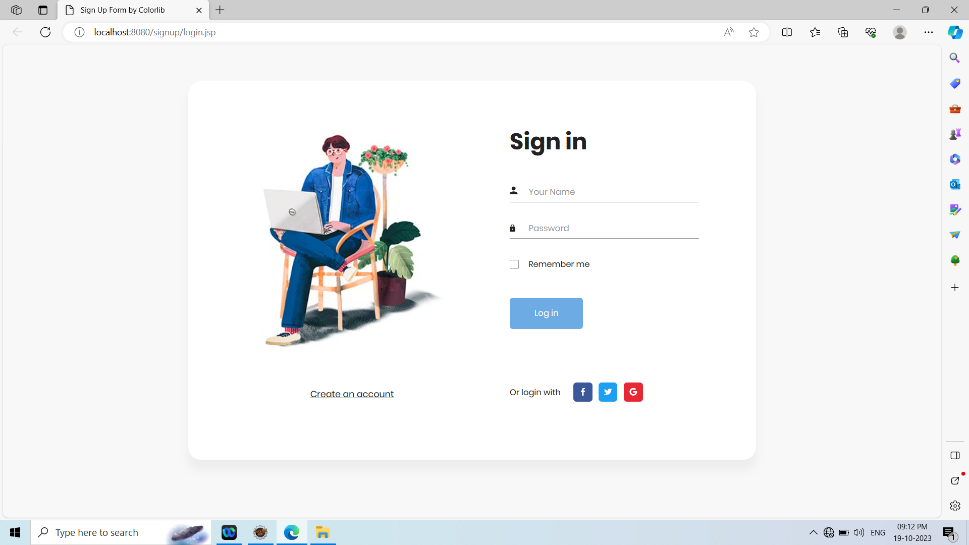
</html>

**11.Demo**

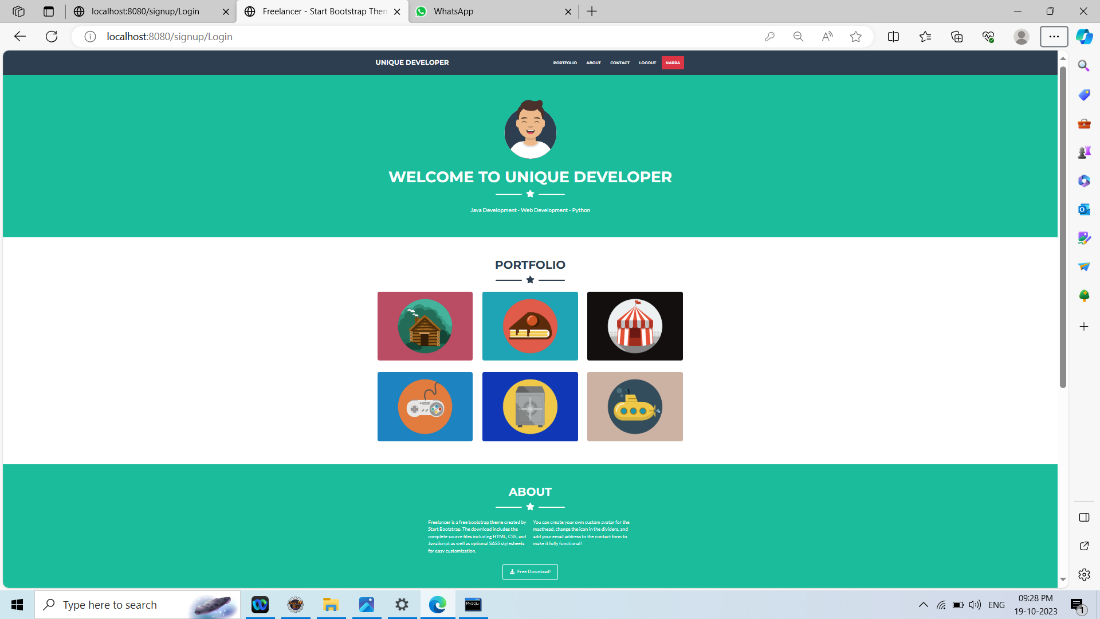
Registration form



Sign in



Registration Success Page:



**Conclusion:**

Based on the titles and descriptions you provided, it seems like these are related to creating a login and registration system using JSP, Servlets, and MySQL databases in the context of web development. The "project conclusion" generally refers to the summary or final steps in the tutorial or project that typically involve the following:

Testing: It's common to test the login and registration functionalities to ensure they work as expected. This may include creating test user accounts, trying different login scenarios, and checking for any errors or bugs.Final Thoughts: The author or presenter might share some final thoughts on the project, discussing what was covered in the tutorial, any challenges that were faced, and the overall importance of the topic.Next Steps: Some tutorials may suggest next steps for further development or enhancements. This could include improving security, adding additional features, or integrating the project into a larger web application.Wrap-Up: A project conclusion often involves thanking the viewers or readers for following the tutorial and encouraging them to explore more on their own or with additional parts of the tutorial series.Resources: The conclusion might also include links or references to related articles, videos, or documentation for further learning.The specific content of the conclusion will vary from one tutorial or article to another, but it generally serves to provide closure to the project and leave the viewers or readers with a sense of accomplishment and a clear understanding of what they've learned.