**Source Code:**

**index.html:**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

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

<style>

.container{

width: 100%;

height: 50px;

background: darkgray;

}

li

{

float: left;

text-decoration: none;

list-style: none;

padding: 10px 10px 10px;

}

li a{

color: white;

text-decoration: none;

}

</style>

</head>

<body>

<div class = "container">

<nav>

<ul>

<li><a href = "index.html" >HOME</a></li>

<li><a href = "index.html" >ABOUT</a></li>

<li><a href = "index.html" >CONTACT</a></li>

<li style="float: right;"><a href = "register.jsp" >REGISTER</a></li>

<li style="float: right;"><a href = "login.jsp" >LOGIN</a></li>

<li><a href = "index.html" >OUR SERVICES</a></li>

</ul>

</nav>

</div>

</body>

</html>

**JSP Files:**

**register.jsp:**

<%--

Document : register

Created on : 15 Nov, 2023, 6:15:40 PM

Author : Daniel

--%>

<%@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>

<style>

.registerconatiner{

width: 100%;

height: auto;

text-align: center;

}

</style>

</head>

<body>

<div class = "registerconatiner">

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

<label>Full Name:</label><br/>

<input type="text" placeholder="ENTER YOUR NAME" name="fname" required=""><br/>

<label>User Name:</label><br/>

<input type="text" placeholder="ENTER USER NAME" name="uname" required=""><br/>

<label>Email:</label><br/>

<input type="email" placeholder="ENTER YOUR EMAIL" name="email" required=""><br/>

<label>Password:</label><br/>

<input type="password" placeholder="ENTER YOUR PASSWORD" name="pswd" required=""><br/>

<span style="display: none">Enter Minimum 8 characters</span>

<label>Confirm Password:</label><br/>

<input type="password" placeholder=" RECONFIRM PASSWORD" name="cfmpswd" required=""><br/>

<span style="display: none">Both the passwords should match</span><br/>

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

</form>

</div>

</body>

</html>

**login.jsp:**

<%--

Document : login

Created on : 16 Nov, 2023, 1:01:26 PM

Author : Daniel

--%>

<%@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 align="center">

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

<label>User Name:</label><br/>

<input type="text" placeholder="ENTER USER NAME" name="uname" required=""><br/>

<label>Password:</label><br/>

<input type="password" placeholder="ENTER YOUR PASSWORD" name="pswd" required=""><br/><br/>

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

</form>

</body>

</html>

**error.jsp:**

<%--

Document : error

Created on : 16 Nov, 2023, 1:32:41 PM

Author : Daniel

--%>

<%@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>

<h1 align="center">Invalid Login Credentials, </h1>

<h1 align="center"> try again with the Correct login credentials !!</h1>

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

</body>

</html>

**Servlets(.java files):**

**register.java:**

package Controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

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;

@WebServlet(name = "register", urlPatterns = {"/register"})

public class register extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

String fullname = request.getParameter("fname");

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

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

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

String confirmpassword = request.getParameter("cfmpswd");

try {

Connection con;

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/registration", "root", "root");

// Make sure to replace "your\_database\_name" with your actual database name

System.out.println("Connected to Database");

String sql = "INSERT INTO register (fullname, username, email, password, confirmpassword) VALUES (?, ?, ?, ?, ?)";

PreparedStatement pst = con.prepareStatement(sql);

pst.setString(1, fullname);

pst.setString(2, username);

pst.setString(3, email);

pst.setString(4, password);

pst.setString(5, confirmpassword);

pst.executeUpdate();

System.out.println("Regsitation Success");

RequestDispatcher rd = request.getRequestDispatcher("index.html");

rd.forward(request, response);

} catch (Exception e) {

System.out.println("Error :: " + e.getMessage());

}

}

@Override

public String getServletInfo() {

return "Short description";

}

}

**login.java:**

package Controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.PreparedStatement;

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;

@WebServlet(name = "login\_1", urlPatterns = {"/login\_1"})

public class login extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

try (PrintWriter out = response.getWriter()) {

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

processRequest(request, response);

}

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

PrintWriter out = response.getWriter();

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

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

try {

Connection con;

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/registration", "root", "root");

String sql = "SELECT \* FROM register WHERE username = ? AND password = ?";

PreparedStatement pst = con.prepareStatement(sql);

pst.setString(1, username);

pst.setString(2, password);

ResultSet rs = pst.executeQuery();

if (rs.next()) {

System.out.println("Login Success");

RequestDispatcher rd = request.getRequestDispatcher("index.html");

rd.forward(request, response);

} else {

System.out.println("Login Failed");

RequestDispatcher rd = request.getRequestDispatcher("error.jsp");

rd.forward(request, response);

}

}

catch (Exception e) {

System.out.println("SQL Error: " + e.getMessage());

}

}

@Override

public String getServletInfo() {

return "Login Servlet";

}

}