TUTORIAL 03

01) <!DOCTYPE html>

<html>

<head>

<title>Registration Form</title>

<style>

/\* Simple CSS for styling the form \*/

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background-color: #f2f2f2;

}

form {

background-color: white;

padding: 20px;

border-radius: 5px;

box-shadow: 0px 0px 10px 0px rgba(0,0,0,0.1);

}

input[type="text"],

input[type="email"],

input[type="password"],

input[type="submit"] {

width: 100%;

padding: 10px;

margin-bottom: 10px;

border: 1px solid #ccc;

border-radius: 3px;

box-sizing: border-box;

}

input[type="submit"] {

background-color: #007bff;

color: white;

cursor: pointer;

}

</style>

</head>

<body>

<form action="registerServlet" method="post"> <!-- Assuming "registerServlet" is the servlet handling the registration -->

<h2>Registration Form</h2>

<label for="username">Username:</label>

<input type="text" id="username" name="username" required><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br>

<label for="confirmPassword">Confirm Password:</label>

<input type="password" id="confirmPassword" name="confirmPassword" required><br>

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

</form>

</body>

</html>

02) 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;

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

public class SignupServlet extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

// Retrieve form parameters

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

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

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

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

// Perform validation

if (username.isEmpty() || email.isEmpty() || password.isEmpty() || confirmPassword.isEmpty()) {

// If any field is empty, show error message

request.setAttribute("message", "All fields are required.");

} else if (!password.equals(confirmPassword)) {

// If passwords don't match, show error message

request.setAttribute("message", "Passwords do not match.");

} else {

// Registration successful, perform further processing (e.g., database insertion)

// For demonstration purposes, let's just print the registration details

System.out.println("Username: " + username);

System.out.println("Email: " + email);

System.out.println("Password: " + password);

System.out.println("Confirm Password: " + confirmPassword);

// Set success message

request.setAttribute("message", "Registration successful. Welcome, " + username + "!");

}

// Forward the request to the index.jsp page

request.getRequestDispatcher("index.jsp").forward(request, response);

}

}

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// Perform validation

if (username.isEmpty() || email.isEmpty() || password.isEmpty() || confirmPassword.isEmpty()) {

// If any field is empty, show error message

request.setAttribute("message", "All fields are required.");

} else if (!username.matches("[a-zA-Z0-9]+")) {

// If username contains characters other than a-z and 0-9, show error message

request.setAttribute("message", "Username can only contain letters (a-z) and numbers (0-9).");

} else if (!password.equals(confirmPassword)) {

// If passwords don't match, show error message

request.setAttribute("message", "Passwords do not match.");

} else {

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request.setAttribute("message", "Passwords do not match.");

} else if (!password.matches(".\*[!@#$%^&\*()-\_=+\\|\\[{\\]};:'\",<.>/?].\*")) {

// If password doesn't contain at least one special character, display message through pop-up box

String alertMessage = "Password must contain at least one special character.";

String script = "<script>alert('" + alertMessage + "');</script>";

response.getWriter().println(script);

return; // End request processing

} else {

// Registration successful, perform further processing (e.g., database insertion)

// For demonstration purposes, let's just print the registration details

System.out.println("Username: " + username);

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