**Javascript form validation:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>SignUp</title>

<link rel="stylesheet" href="signup.css">

</head>

<body>

<div class="form-container">

<div id="signupForm">

<h2>Sign Up</h2>

<form action="login.html" onsubmit="return validateForm()">

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

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

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

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

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

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

<div id="password-error" style="color: red; margin-top: 5px;"></div><br>

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

<input type="number" id="standard" name="standard" placeholder="Standard" required><br><br>

<button type="submit" class="btn btn-success">Sign Up</button>

<div class="form-toggle">

<button id="login-toggle">Already have an account? <a href="login.html">Login</a></button>

</div>

</form>

</div>

</div>

<script>

function validateForm() {

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

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

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

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

var passwordError = document.getElementById("password-error");

if (username.trim() === "" || email.trim() === "" || password.trim() === "" || standard.trim() === "") {

passwordError.textContent = "All fields are required";

return false;

}

var strongRegex = new RegExp("^(?=.[a-z])(?=.[A-Z])(?=.[0-9])(?=.[!@#\$%\^&\\*])(?=.{8,})");

if (!strongRegex.test(password)) {

passwordError.textContent = "Password must contain at least 8 characters, including one uppercase letter, one lowercase letter, one number, and one special character (!@#$%^&\*)";

return false;

}

return true;

}

// Listen for input events on the password field

document.getElementById("password").addEventListener("input", function() {

var password = this.value;

var passwordError = document.getElementById("password-error");

var strongRegex = /^(?=.[a-z])(?=.[A-Z])(?=.[0-9])(?=.[!@#\$%\^&\\*])(?=.{8,})/;

if (!strongRegex.test(password)) {

passwordError.textContent = "Password must contain at least 8 characters, including one uppercase letter, one lowercase letter, one number, and one special character (!@#$%^&\*)";

} else {

passwordError.textContent = "";

}

});

</script>

</body>

</html>

**Node js:**

// Importing the express module

const express = require('express');

// Creating an instance of express

const app = express();

// Define a port number

const port = 3000;

// Basic route that sends a response for the root URL ("/")

app.get('/', (req, res) => {

res.send('Hello World!');

});

// A route for the about page

app.get('/about', (req, res) => {

res.send('This is the about page.');

});

// A route for the contact page

app.get('/contact', (req, res) => {

res.send('This is the contact page.');

});

// A route with a parameter

app.get('/user/:name', (req, res) => {

res.send(Hello, ${req.params.name}!);

});

// Starting the server

app.listen(port, () => {

console.log(Server is running on http://localhost:${port});

});