INDEX.HTML

<!DOCTYPE html>

<html>

<head>

  <title>Form Validation Example</title>

  <link rel="stylesheet" type="text/css" href="styles.css">

</head>

<body>

  <h1>Form Validation Example</h1>

  <form id="myForm" onsubmit="validateForm(event)">

    <label for="name">Name:</label>

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

    <label for="email">Email:</label>

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

    <label for="phone">Phone:</label>

    <input type="tel" id="phone" required>

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

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

    <label for="confirm-password">Confirm Password:</label>

    <input type="password" id="confirm-password" required>

    <button type="submit">Submit</button>

  </form>

  <div id="error-message"></div>

  <script src="script.js"></script>

</body>

</html>

STYLES.CSS

label {

  display: block;

  margin-top: 10px;

}

input[type="text"],

input[type="email"],

input[type="tel"],

input[type="password"] {

  width: 300px;

  padding: 5px;

  margin-bottom: 10px;

}

button[type="submit"] {

  padding: 10px 20px;

  background-color: #4CAF50;

  color: white;

  border: none;

  cursor: pointer;

}

#error-message {

  color: red;

  font-weight: bold;

  margin-top: 10px;

}

SCRIPT.JS

function validateForm(event) {

  event.preventDefault(); // Prevents form submission if validation fails

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

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

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

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

  var confirmPassword = document.getElementById("confirm-password").value;

  var errorMessage = "";

  // Validate name (should not be empty)

  if (name === "") {

    errorMessage += "Name is required.<br>";

  }

  // Validate email (should be a valid email address)

  var emailRegex = /^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/;

  if (!emailRegex.test(email)) {

    errorMessage += "Please enter a valid email address.<br>";

  }

  // Validate phone (should be a valid phone number)

  var phoneRegex = /^\d{10}$/;

  if (!phoneRegex.test(phone)) {

    errorMessage += "Please enter a 10-digit phone number.<br>";

  }

  // Validate password (should be at least 6 characters long)

  if (password.length < 6) {

    errorMessage += "Password should be at least 6 characters long.<br>";

  }

  // Validate confirm password (should match the password)

  if (confirmPassword !== password) {

    errorMessage += "Passwords do not match.<br>";

  }

  // Display error message or submit the form

  var errorDiv = document.getElementById("error-message");

  if (errorMessage !== "") {

    errorDiv.innerHTML = errorMessage;

  } else {

    errorDiv.innerHTML = "";

    document.getElementById("myForm").submit();

  }

}

