**HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Form Validation</title>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">

<style>

body {

background-color: #f7f9fc;

margin: 0;

padding: 0;

}

.form-container {

max-width: 600px;

margin: 50px auto;

background: #fff;

padding: 30px;

border-radius: 10px;

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

}

.error {

color: red;

font-size: 0.9em;

}

</style>

</head>

<body>

<div class="form-container">

<h3 class="text-center">Form Validation</h3>

<form id="validationForm">

<div class="mb-3">

<label for="fullName" class="form-label">Full Name</label>

<input type="text" id="fullName" class="form-control" />

<div class="error" id="nameError"></div>

</div>

<div class="mb-3">

<label for="email" class="form-label">Email</label>

<input type="email" id="email" class="form-control" />

<div class="error" id="emailError"></div>

</div>

<div class="mb-3">

<label for="phone" class="form-label">Phone Number</label>

<input type="text" id="phone" class="form-control" />

<div class="error" id="phoneError"></div>

</div>

<div class="mb-3">

<label for="password" class="form-label">Password</label>

<input type="password" id="password" class="form-control" />

<div class="error" id="passwordError"></div>

</div>

<div class="mb-3">

<label for="confirmPassword" class="form-label">Confirm Password</label>

<input type="password" id="confirmPassword" class="form-control" />

<div class="error" id="confirmPasswordError"></div>

</div>

<button type="submit" class="btn btn-primary w-100">Submit</button>

</form>

</div>

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

</body>

</html>

**Javascript**

document.getElementById('validationForm').addEventListener('submit', function (e) {

e.preventDefault();

let isValid = true;

// Full Name Validation

const fullName = document.getElementById('fullName').value;

if (fullName.length < 5) {

document.getElementById('nameError').innerText = "Name must be at least 5 characters.";

isValid = false;

} else {

document.getElementById('nameError').innerText = "";

}

// Email Validation

const email = document.getElementById('email').value;

if (!email.includes('@')) {

document.getElementById('emailError').innerText = "Please enter a valid email.";

isValid = false;

} else {

document.getElementById('emailError').innerText = "";

}

// Phone Number Validation

const phone = document.getElementById('phone').value;

if (phone === '123456789' || phone.length !== 10 || isNaN(phone)) {

document.getElementById('phoneError').innerText = "Enter a valid 10-digit phone number.";

isValid = false;

} else {

document.getElementById('phoneError').innerText = "";

}

// Password Validation

const password = document.getElementById('password').value;

const name = document.getElementById('fullName').value.toLowerCase();

if (

password.length < 8 ||

password.toLowerCase() === 'password' ||

password.toLowerCase() === name

) {

document.getElementById('passwordError').innerText = "Password must be strong and at least 8 characters.";

isValid = false;

} else {

document.getElementById('passwordError').innerText = "";

}

// Confirm Password Validation

const confirmPassword = document.getElementById('confirmPassword').value;

if (confirmPassword !== password) {

document.getElementById('confirmPasswordError').innerText = "Passwords do not match.";

isValid = false;

} else {

document.getElementById('confirmPasswordError').innerText = "";

}

if (isValid) {

alert("Form submitted successfully!");

}

});