

----- HTML PART -----

```
<!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>
  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.m
in.css" rel="stylesheet">
  <!-- Custom CSS -->
  <link rel="stylesheet" href="css/Style.css">
</head>
<body>
  <!-- Main container for the form -->
  <div class="container d-flex justify-content-center align-items-center
vh-100">
    <form id="registrationForm" class="bg-light p-5 rounded
shadow-lg">
      <h2 class="text-center mb-4">Registration Form</h2>

      <!-- Full Name Field -->
      <div class="mb-3">
        <label for="fullName" class="form-label">Full Name</label>
        <input type="text" class="form-control" id="fullName"
name="fullName" placeholder="Enter your full name">
        <small class="text-danger" id="nameError"></small>
      </div>

      <!-- Email Field -->
      <div class="mb-3">
        <label for="email" class="form-label">Email</label>
```

```
        <input type="email" class="form-control" id="email"
name="email" placeholder="Enter your email">
        <small class="text-danger" id="emailError"></small>
</div>
```

```
<!-- Phone Number Field -->
<div class="mb-3">
    <label for="phone" class="form-label">Phone
Number</label>
    <input type="text" class="form-control" id="phone"
name="phone" placeholder="Enter your phone number">
    <small class="text-danger" id="phoneError"></small>
</div>
```

```
<!-- Password Field -->
<div class="mb-3">
    <label for="password" class="form-label">Password</label>
    <input type="password" class="form-control" id="password"
name="password" placeholder="Enter your password">
    <small class="text-danger" id="passwordError"></small>
</div>
```

```
<!-- Confirm Password Field -->
<div class="mb-3">
    <label for="confirmPassword" class="form-label">Confirm
Password</label>
    <input type="password" class="form-control"
id="confirmPassword" name="confirmPassword" placeholder="Confirm
your password">
    <small class="text-danger"
id="confirmPasswordError"></small>
</div>
```

```
<!-- Submit Button -->
<button type="submit" class="btn btn-primary
w-100">Register</button>
```

```
        <div id="submitError" class="text-danger text-center
mt-3"></div>
        </form>
    </div>

    <!-- JavaScript File -->
    <script src="Script.js"></script>
</body>
</html>
```

----- CSS PART -----

```
/* style.css */
body {
    background-color: #f0f0f5;
}

form {
    width: 400px;
}

button {
    font-size: 1.2rem;
}

/* Optional: Add some styles for invalid input fields */
input.is-invalid {
    border-color: #e63946;
}

input.is-valid {
    border-color: #2a9d8f;
}
```

----- JAVASCRIPT PART -----

```
// script.js
```

```
// Get form elements
```

```
const form = document.getElementById('registrationForm');  
const fullName = document.getElementById('fullName');  
const email = document.getElementById('email');  
const phone = document.getElementById('phone');  
const password = document.getElementById('password');  
const confirmPassword =  
document.getElementById('confirmPassword');
```

```
// Error message elements
```

```
const nameError = document.getElementById('nameError');  
const emailError = document.getElementById('emailError');  
const phoneError = document.getElementById('phoneError');  
const passwordError = document.getElementById('passwordError');  
const confirmPasswordError =  
document.getElementById('confirmPasswordError');  
const submitError = document.getElementById('submitError');
```

```
// Validation function
```

```
function validateForm() {  
    let isValid = true;
```

```
    // Full Name validation
```

```
    if (fullName.value.length < 5) {  
        nameError.innerText = "Name must be at least 5 characters long";  
        fullName.classList.add('is-invalid');  
        isValid = false;  
    } else {  
        nameError.innerText = "";  
        fullName.classList.remove('is-invalid');
```

```

    fullName.classList.add('is-valid');
}

// Email validation
if (!email.value.includes('@')) {
    emailError.innerText = "Please enter a valid email address";
    email.classList.add('is-invalid');
    isValid = false;
} else {
    emailError.innerText = "";
    email.classList.remove('is-invalid');
    email.classList.add('is-valid');
}

// Phone validation
const phonePattern = /^[0-9]{10}$/;
if (!phonePattern.test(phone.value) || phone.value === "123456789")
{
    phoneError.innerText = "Please enter a valid 10-digit phone
number";
    phone.classList.add('is-invalid');
    isValid = false;
} else {
    phoneError.innerText = "";
    phone.classList.remove('is-invalid');
    phone.classList.add('is-valid');
}

// Password validation
if (password.value.length < 8 || password.value.toLowerCase() ===
"password" || password.value === fullName.value) {
    passwordError.innerText = "Password must be at least 8
characters and not 'password' or your name";
    password.classList.add('is-invalid');
    isValid = false;
} else {

```

```

        passwordError.innerText = "";
        password.classList.remove('is-invalid');
        password.classList.add('is-valid');
    }

    // Confirm Password validation
    if (confirmPassword.value !== password.value ||
confirmPassword.value === "") {
        confirmPasswordError.innerText = "Passwords do not match";
        confirmPassword.classList.add('is-invalid');
        isValid = false;
    } else {
        confirmPasswordError.innerText = "";
        confirmPassword.classList.remove('is-invalid');
        confirmPassword.classList.add('is-valid');
    }

    return isValid;
}

// Submit event listener
form.addEventListener('submit', function(event) {
    event.preventDefault(); // Prevent default form submission

    // Perform validation
    if (validateForm()) {
        submitError.innerText = "Form submitted successfully!";
        submitError.classList.remove('text-danger');
        submitError.classList.add('text-success');
    } else {
        submitError.innerText = "Please fix the errors before submitting";
        submitError.classList.add('text-danger');
    }
});

```