

FORM VALIDATION

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Forms are an integral part of our Website. We need to verify all the details so we know the person filling the form is Human and not a Bot. Create a Form with following fields and check if each fields have relevant data in it.

Required Fields:

- ☐ Full Name, Email ID, Phone Number, Password and Confirm Password

Validation Criteria:

- ☐ Name must not be less than 5 characters
- ☐ Email Id should have @ character in it
- ☐ Phone Number should not be 123456789 and must be a 10-digit number.
- ☐ Password cannot be 'password' or 'name of the user' or less than 8 characters.
- ☐ Password and confirm password should match
- ☐ Whenever any of the above are not met, the error should pop saying ex; "enter correct email" or "password is not strong" etc
- ☐ You can include more conditions and fields to the form validation but the above are mandatory.

Must use the following for development:

- ☐ HTML
- ☐ CSS and Bootstrap
- ☐ JavaScript(Event listeners(onSubmit and onChange), multiple functions, loops,if/else)
- ☐ Use comments wherever possible to make it readable for others.
- ☐ Deploy your code to GitHub and merge with Netlify to make it live.
- ☐ Do not use any external library for this.
- ☐ Build your own logic do not copy paste from google.
- ☐ Design can be as per your vision and make it as creative as you can.

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="form.css">
  <title>Form Validation</title>
</head>
<body>
  <div class="container">
    <form id="myForm">
      <!-- Full Name -->
      <label for="fullName">Full Name:</label>
      <input type="text" id="fullName" name="fullName" required>

      <!-- Email ID -->
      <label for="email">Email ID:</label>
      <input type="email" id="email" name="email" required>

      <!-- Phone Number -->
      <label for="phone">Phone Number:</label>
      <input type="tel" id="phone" name="phone" required>

      <!-- Password -->
      <label for="password">Password:</label>
      <input type="password" id="password" name="password" required>

      <!-- Confirm Password -->
      <label for="confirmPassword">Confirm Password:</label>
      <input type="password" id="confirmPassword" name="confirmPassword" required>

      <!-- Submit Button -->
      <button type="submit">Submit</button>
    </form>

    <!-- Display Errors -->
    <div id="errorContainer"></div>
  </div>

  <script src="form.js"></script>
</body>
```

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</html>

CSS CODE

```
/* Add Bootstrap */
```

```
@import url('https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css');
```

```
/* Add your custom styles here */
```

```
body {  
  font-family: 'Arial', sans-serif;  
  background-image: linear-gradient(to right, lightpink, lightblue, lightgray);  
  /* Add other background properties as needed */  
}
```

```
.container {  
  max-width: 400px;  
  margin: 50px auto;  
  background-color: #fff; /* Add a background color for better readability */  
  padding: 20px;  
  border-radius: 8px;  
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1); /* Add a subtle box shadow */  
}
```

```
label {  
  margin-bottom: 8px;  
  display: block;  
}
```

```
input {  
  width: 100%;  
  padding: 8px;  
  margin-bottom: 16px;  
}
```

```
button {  
  background-color: #007bff;  
  color: #fff;  
  padding: 10px 15px;  
  border: none;  
  cursor: pointer;
```

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```
}
```

```
button:hover {  
  background-color: #0056b3;  
}
```

```
#errorContainer {  
  color: #dc3545;  
  margin-top: 10px;  
}
```

JAVASCRIPT CODE:

```
// Wait for the DOM to be ready  
document.addEventListener('DOMContentLoaded', function () {  
  // Get the form element  
  const form = document.getElementById('myForm');  
  
  // Add an event listener for form submission  
  form.addEventListener('submit', function (event) {  
    // Prevent the default form submission  
    event.preventDefault();  
  
    // Call the validateForm function to perform validation  
    validateForm();  
  });  
  
  // Function to validate the form  
  function validateForm() {  
    // Get form fields  
    const fullName = document.getElementById('fullName').value;  
    const email = document.getElementById('email').value;  
    const phone = document.getElementById('phone').value;  
    const password = document.getElementById('password').value;  
    const confirmPassword = document.getElementById('confirmPassword').value;  
  
    // Clear previous errors  
    document.getElementById('errorContainer').innerHTML = "";  
  
    // Check validation criteria  
    if (fullName.length < 5) {  
      displayError('Full Name must be at least 5 characters');
```

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```
}

if (!email.includes('@')) {
  displayError('Enter a correct Email ID');
}

if (phone.length !== 10 || phone === '123456789') {
  displayError('Enter a valid Phone Number');
}

if (password === 'password' || password.length < 8 || password.toLowerCase() ===
fullName.toLowerCase()) {
  displayError('Password is not strong enough');
}

if (password !== confirmPassword) {
  displayError('Passwords do not match');
}

// If there are no errors, submit the form
if (document.getElementById('errorContainer').innerHTML === '') {
  alert('Form submitted successfully!');
  // You can also use form.submit() to submit the form programmatically
}
}

// Function to display errors
function displayError(message) {
  const errorContainer = document.getElementById('errorContainer');
  const errorParagraph = document.createElement('p');
  errorParagraph.textContent = message;
  errorContainer.appendChild(errorParagraph);
}
});
```