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Design input forms that validate data (e.g., email, phone number) and display error messages using HTML/CSS, JavaScript (with Validator.js)

### AIM:

The aim is to design input forms that validate data, such as email and phone number, and

display error messages using HTML/CSS and JavaScript with Validator.js.

#### **PROCEDURE:**

# **Step 1: Setting Up the HTML Form**

Start by creating an HTML form with input fields for the email and phone number.

## html

②<!DOCTYPE html&gt;

<html lang=&quot;en&quot;&gt;

<head&gt;

<meta charset=&quot;UTF-8&quot;&gt;

<meta name=&quot;viewport&quot; content=&quot;width=device-width, initial-scale=1.0&quot;&gt;

<title&gt;Form Validation&lt;/title&gt;

<link rel=&quot;stylesheet&quot; href=&quot;style.css&quot;&gt;

</head&gt;

<body&gt;

<div class=&quot;container&quot;&gt;

```
<form id=&quot;myForm&quot;&gt;
<label for=&quot;email&quot;&gt;Email:&lt;/label&gt;
<input type=&quot;email&quot; id=&quot;email&quot;
name="email" required>
<span id=&quot;emailError&quot;
class="error"></span&gt;
<label for=&quot;phone&quot;&gt;Phone Number:&lt;/label&gt;
<input type=&quot;text&quot; id=&quot;phone&quot;
name="phone" required>
<span id=&quot;phoneError&quot;
class="error"></span&gt;
<button type=&quot;submit&quot;&gt;Submit&lt;/button&gt;
</form&gt;
</div&gt;
<script
src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.mi
n.js"></script&gt;
<script src=&quot;script.js&quot;&gt;&lt;/script&gt;
</body&gt;
</html&gt;
Step 2: Styling the Form with CSS
Next, add some basic styling to make the form look nice.
```

CSS

```
?/* style.css */
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
display: flex;
justify-content: center;
align-items: center;
height: 100vh;
margin: 0;
}
.container {
background-color: white;
padding: 20px;
border-radius: 5px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
form {
display: flex;
flex-direction: column;
}
label {
```

```
margin-bottom: 5px;
}
input {
margin-bottom: 10px;
padding: 10px;
border: 1px solid #ccc;
border-radius: 3px;
}
button {
padding: 10px;
background-color: #28a745;
color: white;
border: none;
border-radius: 3px;
cursor: pointer;
}
button:hover {
background-color: #218838;
}
.error {
```

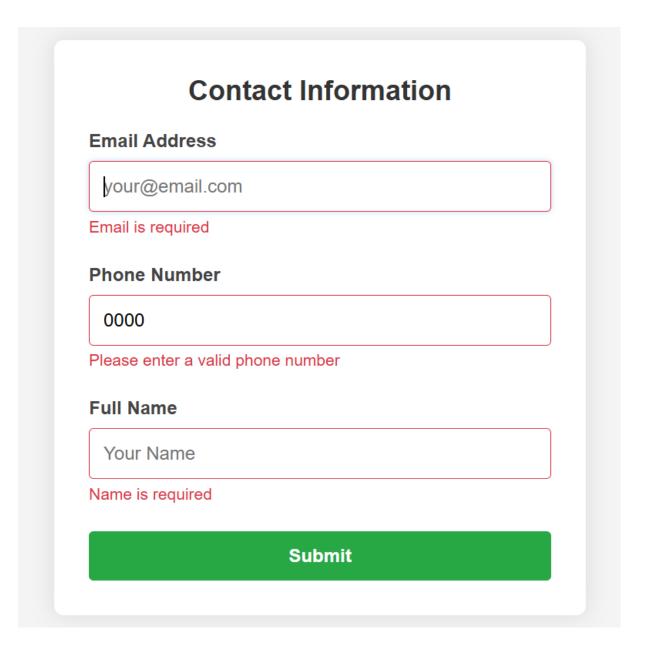
```
color: red;
font-size: 0.875em;
}

☑Step 3: Adding JavaScript for Validation

Finally, add JavaScript to validate the input fields using Validator.js
and display error
messages.
javascript
?/* script.js */
document.getElementById('myForm').addEventListener('submi
t', function (e) {
e.preventDefault();
let email = document.getElementById('email').value;
let phone = document.getElementById('phone').value;
let emailError = document.getElementById('emailError');
let phoneError = document.getElementById('phoneError');
// Clear previous error messages
emailError.textContent = '';
phoneError.textContent = '';
// Validate email
```

```
if (!validator.isEmail(email)) {
emailError.textContent = 'Please enter a valid email address.';
}
// Validate phone number
if (!validator.isMobilePhone(phone, 'any')) {
phoneError.textContent = 'Please enter a valid phone number.';
}
// If no errors, submit the form (for demonstration purposes, we'II just log
the values)
if (validator.isEmail(email) & amp; & amp; validator.isMobilePhone(phone,
'any')) {
console.log('Email:', email);
console.log('Phone:', phone);
}
});
?
```

## **OUTPUT:**



#### **RESULT:**

Hence, to design input forms that validate data, such as email and phone number, and display error messages using HTML/CSS and JavaScript with Validator.js has been done successfully.