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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**

<!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="style.css">

</head>

<body>

<div class="container">

<form id="myForm">

```
<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; &lt;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

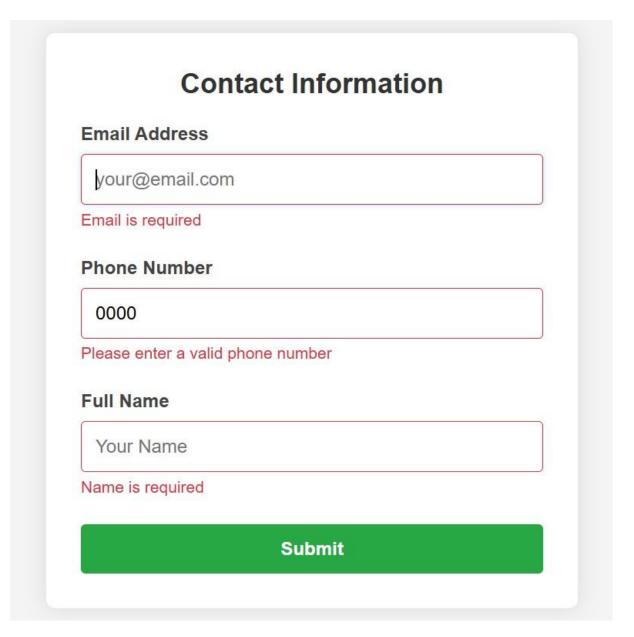
messages.

```
javascript /*
script.js */
document.getElementById('myForm').addEventListener('subm
it', 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'Il just log
the values)
if (validator.isEmail(email) && 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.