UID EX 9

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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="email">Email:</label>
<input type="email" id="email" name="email" required>
<span id="emailError" class="error"></span>


<label for="phone">Phone Number:</label>
<input type="text" id="phone" name="phone" required>
<span id="phoneError" class="error"></span>


<button type="submit">Submit</button>
</form>
</div>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.min.js"></script>
<script src="script.js"></script>
</body>
</html>
```

Step 2:

Styling the Form with CSS Next, add some basic styling to make the form look nice.

```css
# style.css > .error
 1   body {
 2       font-family: Arial, sans-serif;
 3       background-color: #f4f4f4;
 4       display: flex;
 5       justify-content: center;
 6       align-items: center;
 7       height: 100vh;
 8       margin: 0;
 9   }
10
11   .container {
12       background-color: white;
13       padding: 20px;
14       border-radius: 5px;
15       box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
16   }
17
18   form {
19       display: flex;
20       flex-direction: column;
21   }
22
23   label {
24       margin-bottom: 5px;
25   }
26
27   input {
28       margin-bottom: 10px;
29       padding: 10px;
30       border: 1px solid #ccc;
31       border-radius: 3px;
32   }
33
34   button {
35       padding: 10px;
36       background-color: #28a745;
37       color: white;
38       border: none;
39       border-radius: 3px;
40       cursor: pointer;
41   }
42
43   button:hover {
44       background-color: #218838;
45   }
46
47   .error {
48       color: red;
49       font-size: 0.875em;
50   }
```
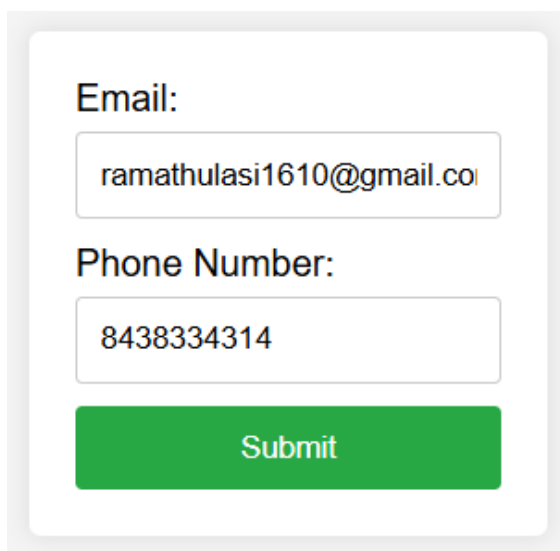
Step 3:

Adding JavaScript for Validation Finally, add JavaScript to validate the input fields using Validator.js and display error messages

```js
document.getElementById('myForm').addEventListener('submit', 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'll just log the values)
    if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
        console.log('Email:', email);
        console.log('Phone:', phone);
    }
});
```
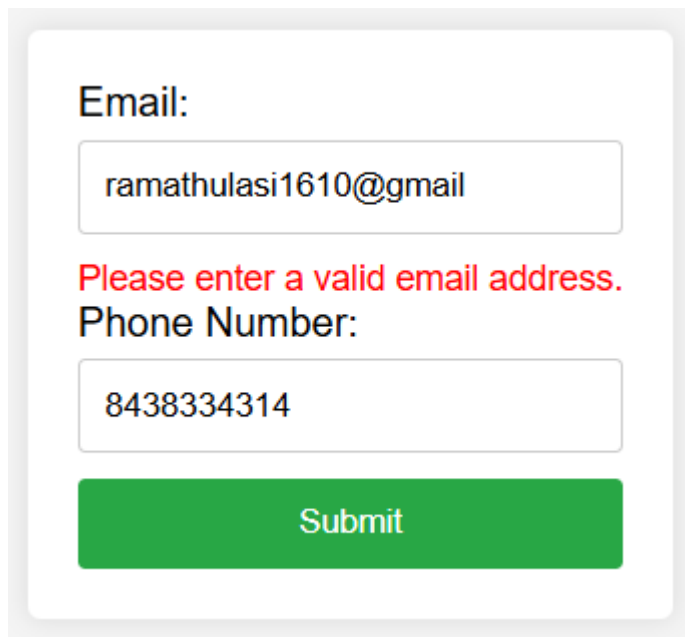
OUTPUT

For valid email and phone no. :

Email:

ramathulasi1610@gmail.col

Phone Number:

8438334314

Submit

Error message for invalid email:

Email:

ramathulasi1610@gmail
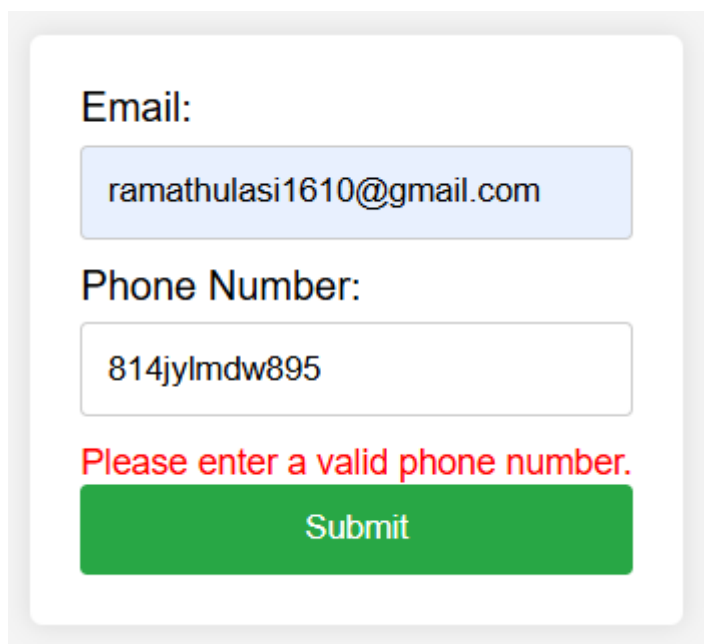
Please enter a valid email address.

Phone Number:

8438334314

Submit

Error message for invalid phone no. :

Email:

ramathulasi1610@gmail.com

Phone Number:

814jylmdw895

Please enter a valid phone number.

Submit