USER INTERFACE DESIGN

EXP.NO:9

REG.NO:230701235 DATE:30.04.2025

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

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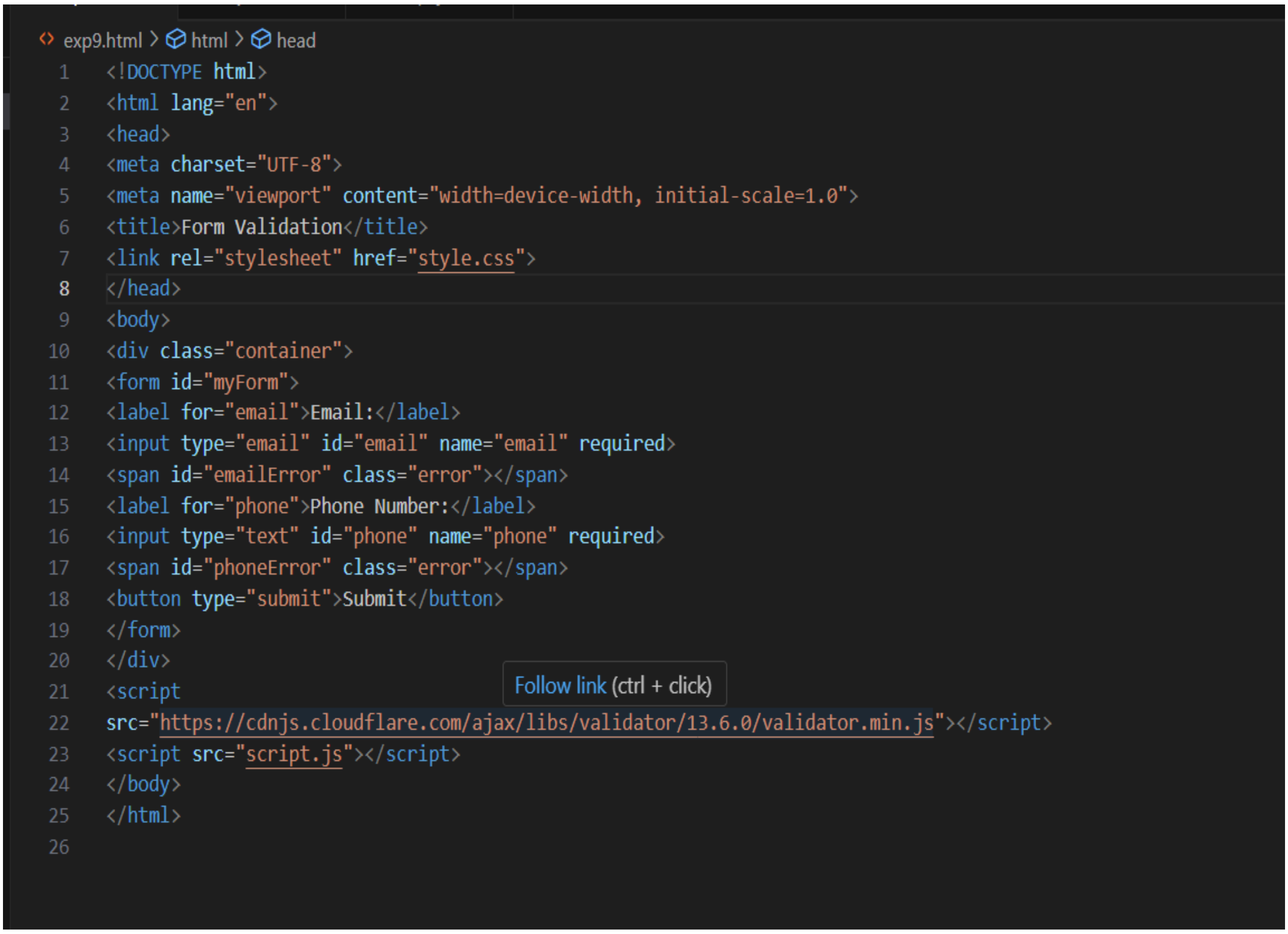
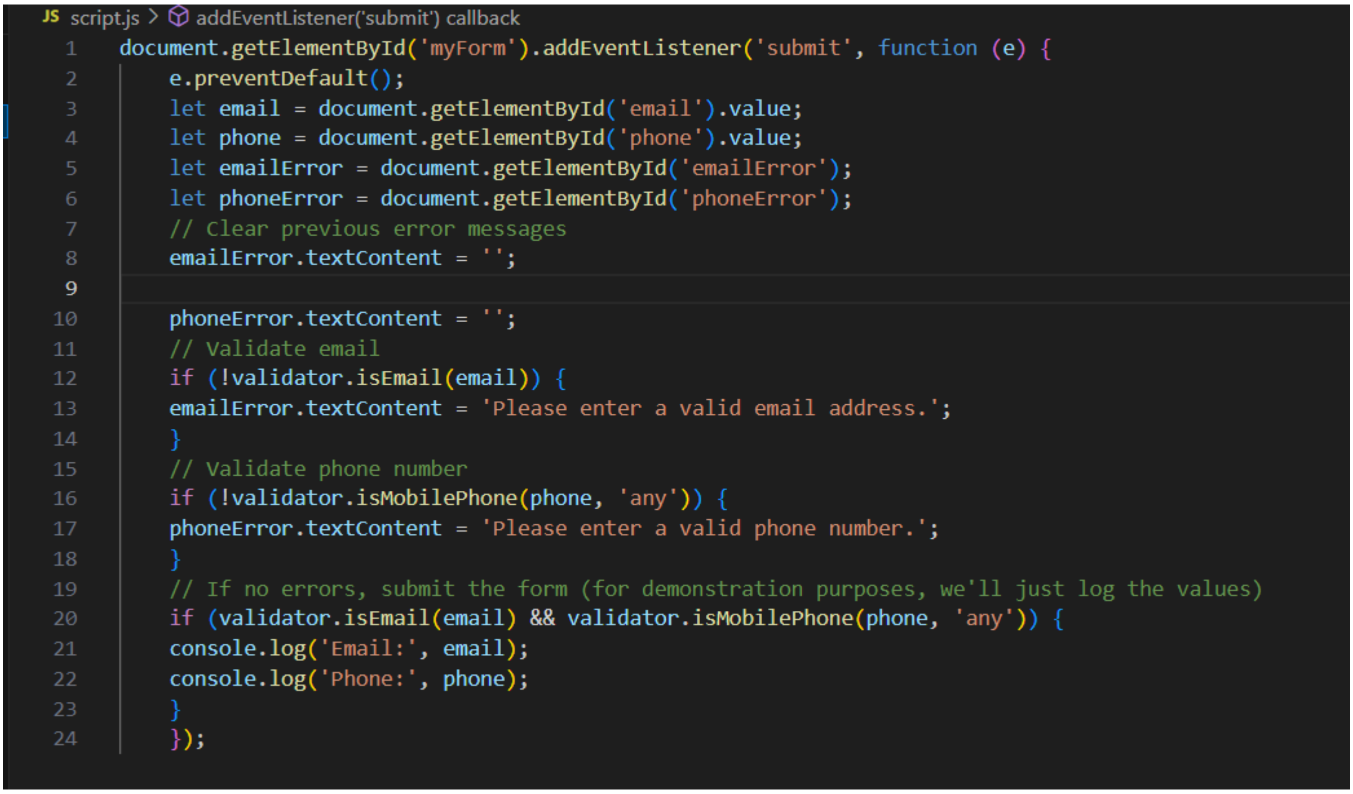
Index.html



```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>
```

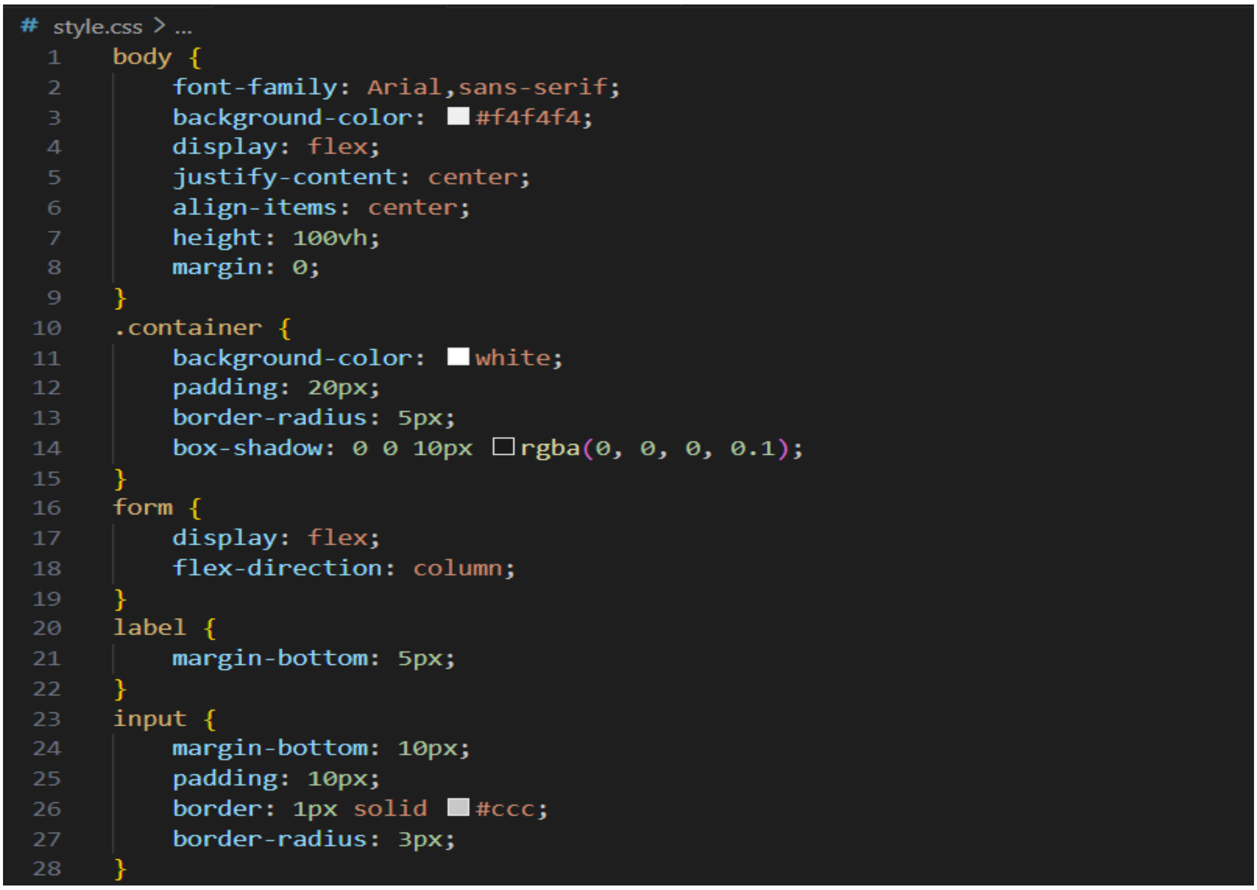
script.js



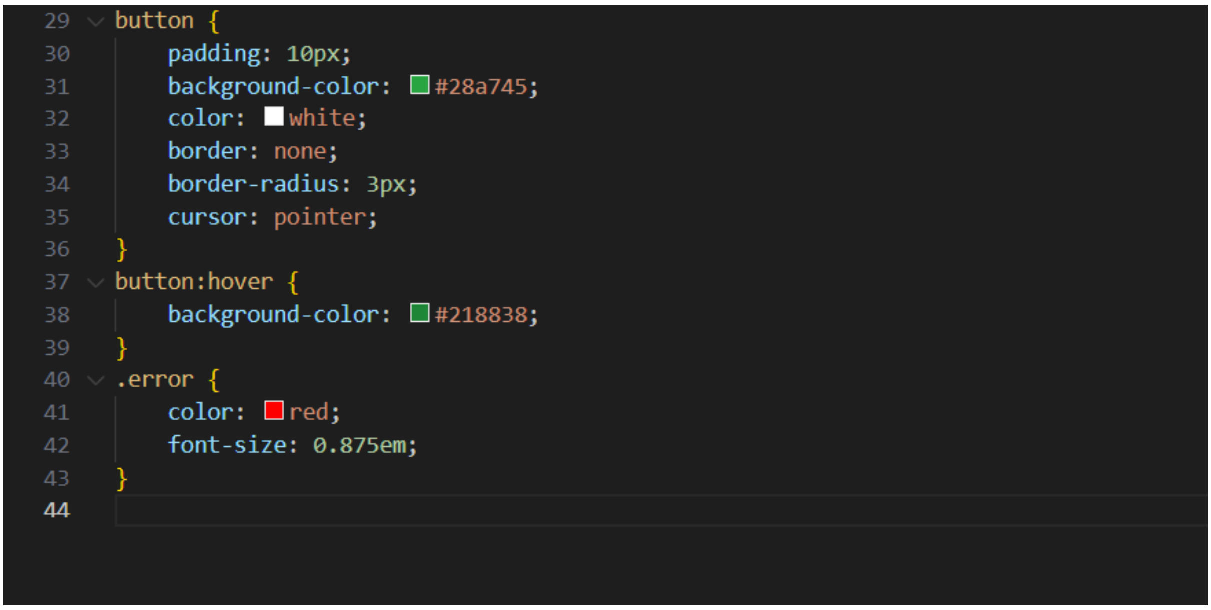
```javascript
document.getElementById('myForm').addEventListener('submit', function (e) {
    e.preventDefault();
    let email = document.getElementById('email').value;
    let phone = document.getElementById('phone').value;
    let emailError = document.getElementById('emailError');
    let phoneError = 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);
    }
    });
```

Style.css

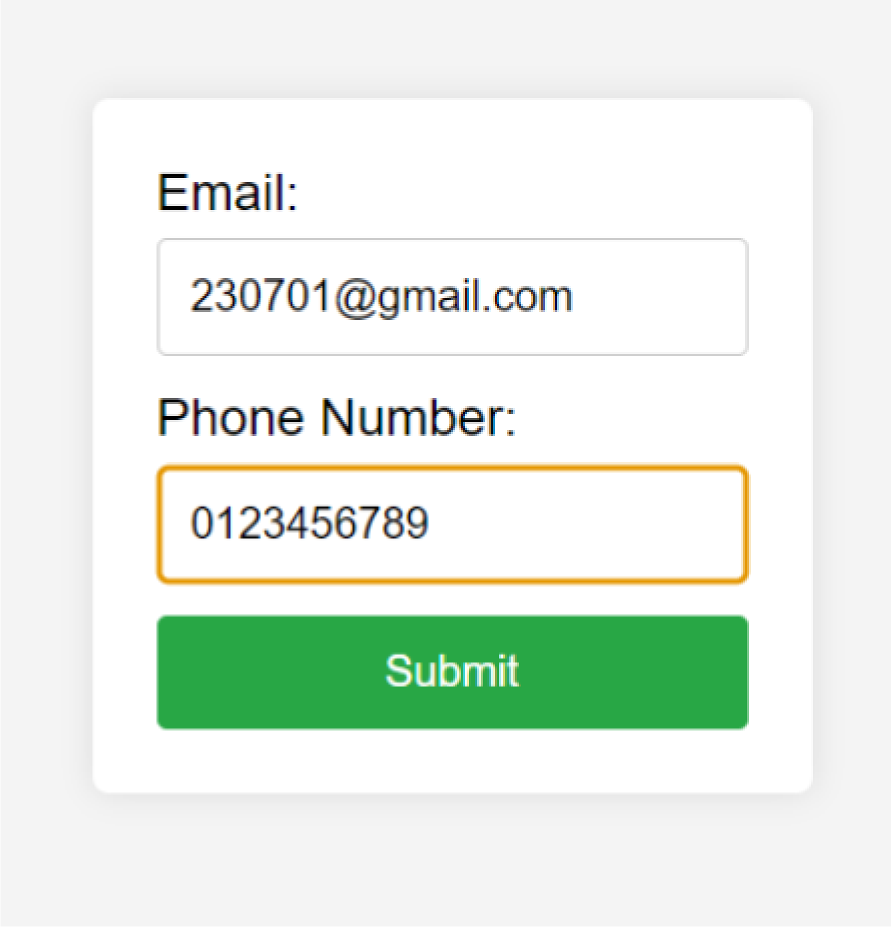


```css
body {
    font-family: Arial,sans-serif;
    background-color: #f4f4f4;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
}
.container {
    background-color: white;
    padding: 20px;
    border-radius: 5px;
    box-shadow: 0 0 10px rgba(0,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



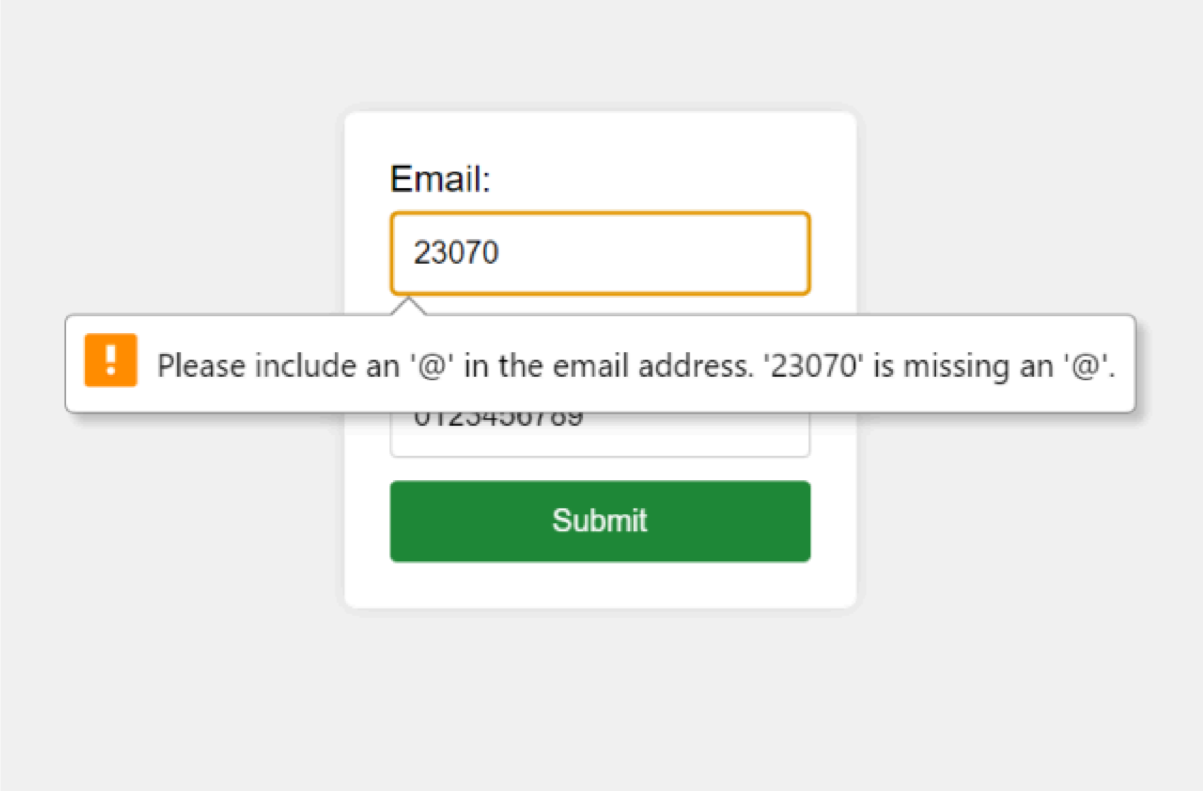
```
button {
    padding: 10px;
    background-color: #28a745;
    color: white;
    border: none;
    border-radius: 3px;
    cursor: pointer;
}
button:hover {
    background-color: #218838;
}
.error {
    color: red;
    font-size: 0.875em;
}
```

OUTPUT:



Email: 230701@gmail.com

Phone Number: 0123456789

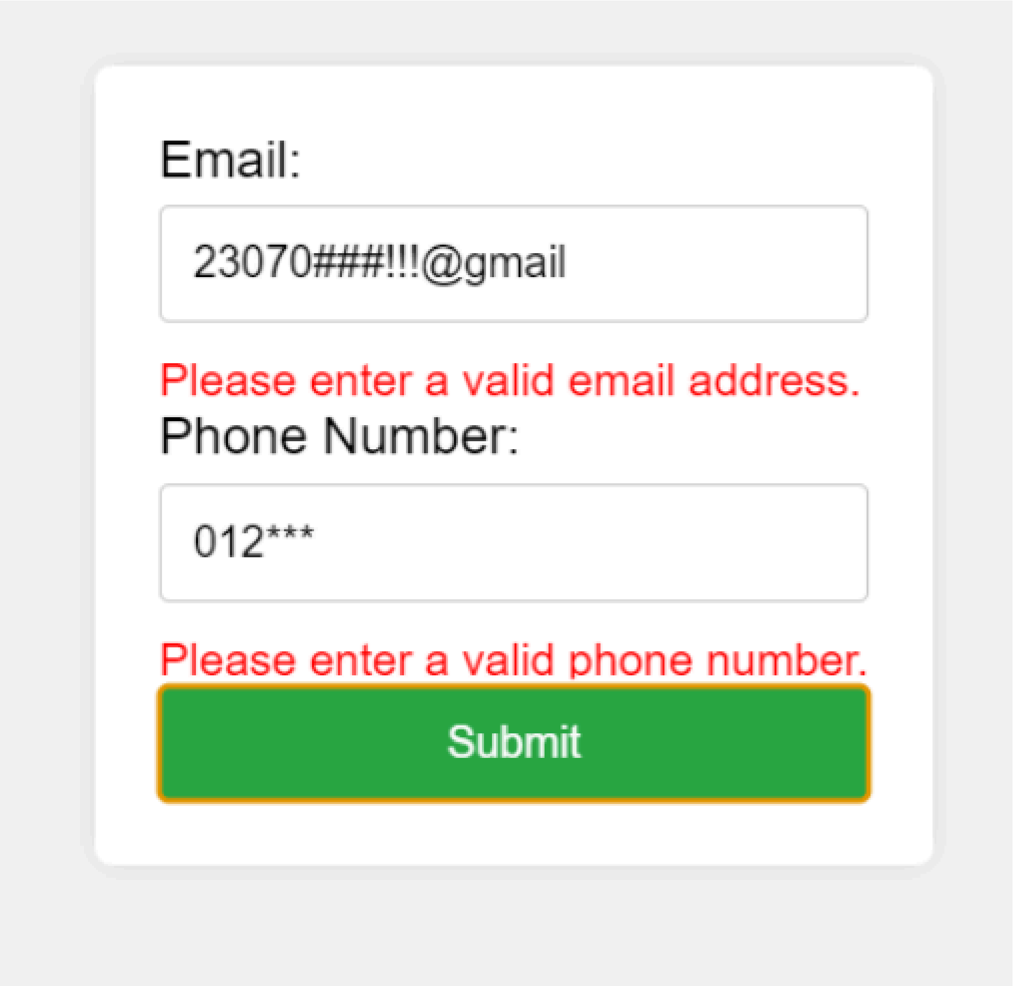


Email:

23070

Please include an '@' in the email address. '23070' is missing an '@'.

0123456789



Email:

23070###!!!@gmail

Please enter a valid email address.

Phone Number:

012***

Please enter a valid phone number.

RESULT:

The input form was successfully designed using HTML and styled with CSS. Validation of user inputs such as email and phone number was effectively implemented using JavaScript with the Validator.js library. The form displayed appropriate error messages for invalid inputs and allowed submission only when all data was valid, thereby ensuring accurate and user-friendly data entry.