#### **Exercise 9:**

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

#### 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:

```
<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"></scri
pt>
 <script src="script.js"></script>
</body>
</html>
Step 2: Styling the Form with CSS
/* style.css */
body {
 font-family: Arial,
 sans-serif;
 background-color: #f4f4f4;
 display: flex;
 justify-content: center;
 align-items: center;
```

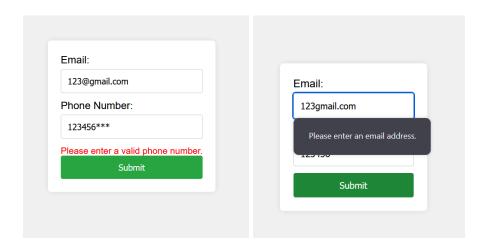
```
height: 100vh;
 margin: 0;
.container {
 background-color: white;
 padding: 20px;
 border-radius: 5px;
 box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
form {
 display: flex;
 flex-direction: column;
label {
 margin-bottom: 5px;
input {
 margin-bottom: 10px;
 padding: 10px;
 border: 1px solid #ccc;
```

```
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
/* script.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:



### Result:

The input form was successfully designed using HTML and styled with CSS. Validation of user inputs such as email and phone number were 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.

SIDDARTH SAKTHI M 230701314