

# UID - III

## EXP : 09

*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.*

### **Code:**

#### **HTML**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Professional Form Validation</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>

  <div class="form-container">
    <h2>Sign Up</h2>
    <form id="registration-form">
      <div class="form-field">
        <label for="email">Email</label>
        <input type="text" id="email" name="email" placeholder="Enter your email" required>
        <span class="error-message" id="email-error"></span>
      </div>

      <div class="form-field">
        <label for="phone">Phone Number</label>
        <input type="text" id="phone" name="phone" placeholder="Enter your phone number" required>
        <span class="error-message" id="phone-error"></span>
      </div>

      <div class="form-field">
        <button type="submit">Submit</button>
      </div>
    </form>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/validator@13.7.0/validator.min.js"></script>
  <script src="script.js"></script>
</body>
</html>
```

## CSS

*/\* Reset styles \*/*

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}
```

*body {*

```
  font-family: 'Arial', sans-serif;  
  background: linear-gradient(135deg, #6f86d6, #48c6ef);  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  height: 100vh;  
  color: #fff;  
  text-align: center;  
}
```

*/\* Main form container \*/*

```
.form-container {  
  background-color: #fff;  
  padding: 40px;  
  border-radius: 8px;  
  box-shadow: 0 10px 20px rgba(0, 0, 0, 0.1);  
  width: 100%;  
  max-width: 400px;  
  box-sizing: border-box;  
  color: #333;  
}
```

*/\* Heading style \*/*

```
h2 {  
  margin-bottom: 20px;  
  font-size: 28px;  
  color: #333;  
  font-weight: 600;  
}
```

*/\* Form field style \*/*

```
.form-field {  
  margin-bottom: 20px;  
  text-align: left;  
}
```

*label {*

```
  display: block;  
  font-weight: bold;  
  margin-bottom: 5px;
```

```
font-size: 14px;  
color: #333;  
}
```

```
input {  
width: 100%;  
padding: 10px;  
font-size: 16px;  
border: 2px solid #ddd;  
border-radius: 5px;  
outline: none;  
transition: all 0.3s ease;  
}
```

```
/* Focus state */  
input:focus {  
border-color: #48c6ef;  
box-shadow: 0 0 10px rgba(72, 198, 239, 0.3);  
}
```

```
/* Error message style */  
.error-message {  
color: red;  
font-size: 12px;  
display: none;  
}
```

```
/* Button style */  
button {  
background-color: #48c6ef;  
color: #fff;  
border: none;  
border-radius: 5px;  
padding: 12px;  
font-size: 16px;  
width: 100%;  
cursor: pointer;  
transition: all 0.3s ease;  
}
```

```
/* Button hover effect */  
button:hover {  
background-color: #6f86d6;  
transform: translateY(-2px);  
}
```

```
/* Responsive design for smaller screens */  
@media (max-width: 500px) {  
.form-container {  
padding: 30px;  
}
```

```
}  
}
```

### **JAVA SCRIPT**

```
document.getElementById("registration-form").addEventListener("submit", function(event) {  
    event.preventDefault(); // Prevent form from submitting immediately  
  
    // Clear previous error messages  
    document.getElementById("email-error").style.display = 'none';  
    document.getElementById("phone-error").style.display = 'none';  
  
    let email = document.getElementById("email").value;  
    let phone = document.getElementById("phone").value;  
  
    let isValid = true;  
  
    // Email validation using Validator.js  
    if (!validator.isEmail(email)) {  
        document.getElementById("email-error").textContent = "Please enter a valid email address.";   
        document.getElementById("email-error").style.display = 'block';  
        isValid = false;  
    }  
  
    // Phone number validation using Validator.js  
    if (!validator.isMobilePhone(phone, 'en-US', { strictMode: false })) {  
        document.getElementById("phone-error").textContent = "Please enter a valid phone number.";   
        document.getElementById("phone-error").style.display = 'block';  
        isValid = false;  
    }  
  
    // If everything is valid, alert the user  
    if (isValid) {  
        alert("Form submitted successfully!");  
    }  
});
```

**Output:**

# Sign Up

**Email**

**Phone Number**

Submit