

## Exercise 9

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

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.

Html code:

```
<!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>
```

Css code:

```
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;  
}
```

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);
  }
});
```

Output:

