

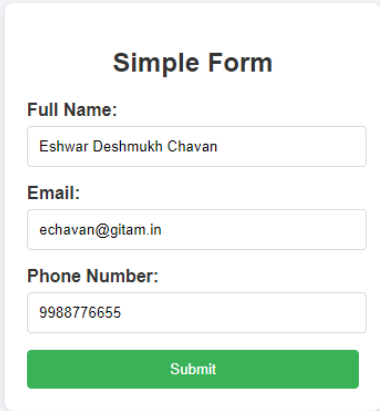
WEB APPLICATION DEVELOPMENT LAB

02-01-2025

Eshwar Deshmukh Chavan

HU22CSEN0100999

Write a JavaScript to validate a form



The image shows a web form titled "Simple Form" centered on a light blue background. The form is a white box with rounded corners and a subtle shadow. It contains three input fields and a submit button. The first field is labeled "Full Name:" and contains the text "Eshwar Deshmukh Chavan". The second field is labeled "Email:" and contains the text "echavan@gitam.in". The third field is labeled "Phone Number:" and contains the text "9988776655". Below these fields is a green button with the text "Submit".

Submitting:

Simple Form

Your form has been successfully submitted!

Errors :

Simple Form

Full Name:

Name is required

Email:

Valid email is required

Phone Number:

Valid phone number (10 digits) is required

Simple Form

Full Name:

Eshwar Deshmukh Chavan

Name is required

Email:

echavan

Valid email is required

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

09988776655

Valid phone number (10 digits) is required

Submit

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="styles.css">
</head>
<body>

  <div class="form-container">
    <h2>Simple Form</h2>
    <form id="myForm" onsubmit="return validateForm()">
      <div class="form-group">
        <label for="name">Full Name:</label>
```

```

        <input type="text" id="name" name="name" placeholder="Enter your
full name">
        <span class="error" id="nameError"></span>
    </div>

    <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" placeholder="Enter
your email">
        <span class="error" id="emailError"></span>
    </div>

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

    <button type="submit">Submit</button>
</form>

<!-- Success message section -->
<div id="successMessage" class="success-message" style="display: none;">
    <p>Your form has been successfully submitted!</p>
</div>
</div>

<script>
    function validateForm() {
        let isValid = true;

        // Clear previous errors
        document.getElementById('nameError').style.display = 'none';
        document.getElementById('emailError').style.display = 'none';
        document.getElementById('phoneError').style.display = 'none';

        // Validate name
        const name = document.getElementById('name').value;
        if (name.trim() === '') {
            document.getElementById('nameError').style.display = 'block';
            document.getElementById('nameError').textContent = 'Name is
required';

```

```

        isValid = false;
    }

    // Validate email
    const email = document.getElementById('email').value;
    const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;
    if (email.trim() === '' || !emailPattern.test(email)) {
        document.getElementById('emailError').style.display = 'block';
        document.getElementById('emailError').textContent = 'Valid email is required';
        isValid = false;
    }

    // Validate phone number
    const phone = document.getElementById('phone').value;
    const phonePattern = /^[0-9]{10}$/; // Basic validation for 10 digits
    if (phone.trim() === '' || !phonePattern.test(phone)) {
        document.getElementById('phoneError').style.display = 'block';
        document.getElementById('phoneError').textContent = 'Valid phone number (10 digits) is required';
        isValid = false;
    }

    if (isValid) {
        // Show success message and hide the form
        document.getElementById('successMessage').style.display = 'block';

        document.getElementById('myForm').reset(); // Optionally reset the form

        document.getElementById('myForm').style.display = 'none'; // Hide form after successful submission
    }

    return false; // Prevent form from actually submitting
}
</script>

</body>
</html>

```

Css:

```
body {
  font-family: Arial, sans-serif;
  background-color: #f4f4f9;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
}

.form-container {
  background: white;
  padding: 20px;
  border-radius: 8px;
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
  width: 300px;
}

h2 {
  text-align: center;
  color: #333;
}

.form-group {
  margin-bottom: 15px;
  padding-right: 15px ;
}

label {
  display: block;
  font-weight: bold;
  color: #333;
}

input {
  width: 100%;
  padding: 10px;
  margin-top: 5px;
  border-radius: 4px;
  border: 1px solid #ddd;
}

button {
```

```
width: 100%;  
padding: 10px;  
background-color: #4CAF50;  
color: white;  
border: none;  
border-radius: 4px;  
cursor: pointer;  
}  
  
button:hover {  
    background-color: #45a049;  
}  
  
.error {  
    color: red;  
    font-size: 12px;  
    display: none;  
}
```