

Write down the procedure for form validation using Java Script.

## Step-by-step procedure for form validation using JavaScript

### 1. HTML Form

Create an HTML form with input fields that you want to validate.

Add the required attribute to make sure the user fills in the mandatory fields.

```
JavaScript   
  
<form id="myForm">  
  <label for="name">Name:</label>  
  <input type="text" id="name" name="name" required>  
  
  <label for="email">Email:</label>  
  <input type="email" id="email" name="email" required>  
  
  <input type="submit" value="Submit">  
</form>
```

### 2. JavaScript Validation Function

Create a JavaScript function to validate the form.

This function will be triggered when the user clicks the submit button.

```
JavaScript   
  
function validateForm() {
```

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```
var name = document.getElementById('name').value;
var email = document.getElementById('email').value;

// Perform individual field validations
if (name.trim() === '') {
    alert('Please enter your name.');
```

return false;

```
}

if (!isValidEmail(email)) {
    alert('Please enter a valid email address.');
```

return false;

```
}

// If all validations pass, the form can be submitted
return true;
}

function isValidEmail(email) {
    var emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return emailPattern.test(email);
}
```

### 3. Submit Button Event

Add an event listener to the form's submit button to trigger the validation function when the user submits the form.

JavaScript

```
document.getElementById('myForm').addEventListener('submit', function
(event) {
    if (!validateForm()) {
```

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```
event.preventDefault(); // Prevent form submission if validation  
fails  
}  
});
```

When the user clicks the submit button, the `validateForm()` function is called. It retrieves the values of the form fields and performs individual validations. If any validation fails, an alert is shown, and the form submission is prevented using `event.preventDefault()`. If all validations pass, the form will be submitted as usual.

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