

## POST-CLASS LEARNING AND PRACTICE 4.2: UPDATE THE UI BY USING JAVASCRIPT

### Lesson Objective 4.2:

Update the UI by using JavaScript.

### Additional learning resources:

**MSDN®:**

**JavaScript Fundamentals:** [http://msdn.microsoft.com/en-us/library/d1et7k7c\(v=VS.94\).aspx](http://msdn.microsoft.com/en-us/library/d1et7k7c(v=VS.94).aspx)

**JavaScript Reference:** [http://msdn.microsoft.com/en-us/library/yek4tbz0\(v=VS.94\).aspx](http://msdn.microsoft.com/en-us/library/yek4tbz0(v=VS.94).aspx)

### Other resources (books, e-reference):

**JavaScript Kit:** <http://www.javascriptkit.com/javatutors/>

**W3Schools JS & DOM Reference:** [http://www.w3schools.com/jsref/dom\\_obj\\_event.asp](http://www.w3schools.com/jsref/dom_obj_event.asp)

**Textbook: JavaScript & jQuery:** McFarland, D. S. (2012). JavaScript & JQuery. Sebasopol: O'Reilly Media, Inc.

### Resources, software, and additional files needed for this lesson:

1. None

### Student activity:

#### Directions to the student:

Read the following scenario and answer the questions. Verify your answers with the instructor.

#### Scenario:

As the owner of Alpine Ski Resorts, you recently hired a web developer. She has done a nice job of making the Alpine Resort website operational. You asked her to create a feedback form so that users can comment on their stay at the resort. How can she make sure users complete the Name and Email fields? Below is a sample design of the form:

Name:	<input type="text"/>	<input type="button" value="Submit"/>
Email:	<input type="text"/>	
Dates of Stay:	<input type="text"/>	
Comments:	<input type="text"/>	

**Content:**

1. Refer to the image above to create an HTML page with a form that holds labels, text boxes, and a text area.
2. Write a JavaScript code segment to require the user to enter data in at least the name and email fields.
3. Test the page. Leave the fields blank and press Submit. You should receive an error message.

## KEY 4.2: UPDATE THE UI BY USING JAVASCRIPT

### Content:

1. Refer to the image above to create an HTML page with a form that holds labels, text boxes, and a text area.
2. Write a JavaScript code segment to make sure the user fills in at least the name and email fields.
3. Test the page. Leave the fields blank and press Submit. You should receive an error message.

### Sample code:

```
<!DOCTYPE html>
<html>
<head>
<meta charset=utf-8>
<title>Enter Name</title>
<style type="text/css">
.style1 {
    text-align: center;
}
</style>
<script>
function validate()
{
var msgName="Please enter name";
var msgEmail="Please enter email";

if(document.feedback.name.value.length==0)
    alert(msgName);
if(document.feedback.email.value.length==0)
    alert(msgEmail);
}
</script>
</head>
<body>
<form name ="feedback"action="" method="post">
<table style="width: 100%">
<tr>
<td style="width: 270px"><label id="Label1">Enter Name:</label></td>
<td style="width: 429px">
<input name="name" type="text"> Required</td>
<td class="style1" rowspan="4" valign="top">
<input name="Submit1" type="submit" value="submit"
onclick="validate()" "></td>
</tr>
<tr>
<td style="width: 270px"><label id="Label2">Email Address: </label></td>
<td style="width: 429px">
<input name="email" type="text">
Required</td>
```

```
</tr>
<tr>
<td style="width: 270px">Dates of Stay: </td>
<td style="width: 429px">
<input name="Text3" type="text" style="width: 419px"></td>
</tr>
<tr>
<td style="width: 270px" valign="top">Comments: </td>
<td style="width: 429px">
<textarea name="TextArea1" style="width: 426px; height:
213px"></textarea></td>
</tr>
</table>
</form>
</body>
</html>
```