

## Extra 10-1 Use JavaScript to validate a form

In this exercise, you'll use JavaScript to validate a reservation request form.

**Reservation Request**

**General Information**

Arrival date:

Nights:

Adults:

Children:

**Preferences**

Room type: ☐ Standard ☐ Business ☒ Suite

Bed type: ☐ King ☒ Double Double

☐ Smoking

**Contact Information**

Name:

Email:  Must be a valid email address.

Phone:  This field is required.

1. Open the HTML and JavaScript files in this folder:  
`exercises_extra\ch10\reservation_js`  
Then, run the application and click the Submit Request button to see the page that's displayed when the form is submitted to the server.
2. In the JavaScript file, notice that the ready function contains the declaration for a variable named `emailPattern` that contains the pattern that will be used to validate the email address.
3. Code a statement that adds a span element with the class "error" and the value "\*" after each text box. Then, code a statement that moves the focus to the Arrival date text box.
4. Code an event handler for the submit event of the form. This event handler should validate the user entries and cancel the submission of the form if any of the entries are invalid. The validation is as follows:  
A value must be entered into each text box.  
The number of nights must be numeric.  
The email address must match the pattern that's provided.

## Extra 10-2 Use plugins to validate a form

In this exercise, you'll use the validation plugin and the additional-methods plugin to validate a reservation request form.

**Reservation Request**

**General Information**

Arrival date:

Nights:  This field is required.

Adults:

Children:

**Preferences**

Room type: ☐ Standard ☐ Business ☒ Suite

Bed type: ☐ King ☒ Double Double

☐ Smoking

**Contact Information**

Name:

Email:

Phone:  Please specify a valid phone number

1. Open the HTML and JavaScript files in this folder:  
**exercises\_extra\ch10\reservation\_validate**  
Then, run the application and click the Submit Request button to see the page that's displayed when the form is submitted to the server.
2. Code a statement that moves the focus to the Arrival date text box when the form is first displayed.
3. Add jQuery code that validates all the text boxes on the form using the validation and additional-methods plugins. All of the text boxes require a value. In addition, the arrival date, the email address, and phone number must be in valid formats, and the number of nights must be a positive integer.
4. Add custom error messages to the validation for the number of nights that are consistent with the other error messages and that fit on the line that contains the Nights text box.