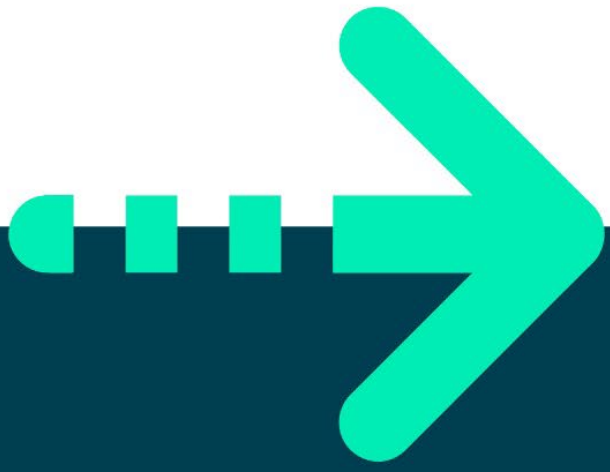
jQUERY



Events

Objectives

In this exercise you will create event handlers using jQuery.

Reference material

This exercise is based on material from the Events chapter.

Overview

- In this exercise you will experiment with creating basic event handlers to validate controls.

Estimated duration

The estimated duration for this lab is 30 minutes for part one and 15 minutes for part two.

Completed solution

There is a completed solution for this lab.

Step by step instructions

Part one:

1. Open the project that you've been working on so far in previous lessons.
2. Create a new HTML page with two text boxes called Age and Quantity.
3. Create a style called invalid, which can be applied to a text box with invalid data – perhaps making the border colour change to red.
4. Create a change event for all the input elements:
    - Event code applies this new style if the input's contents are not numeric. Hint – you can use $.isNumeric(value) to check if something is numeric.
    - It will remove the style if the input's contents *are* numeric.
    - Write code and test.
5. Let's validate the Age input so that if Age is under 18 then the maximum quantity that can be asked for is 5.
    a. Let's give our Quantity textbox an attribute called numeric.

b. Create a function that validates a textbox, by checking if the Age textbox contains a value of <18 and the textbox being validated contains a value of >5. If so, the value being validated should be given a red border. N.b. you will need to ensure that both numbers are numeric first.

   Hint – you can use Javascript's parseInt() method to convert the user's input to an integer.

c. Apply this validation to any input element that has the numeric attribute.

Note how easy it is to add two different event handlers to the change event of the quantity text box. We added one in step three, and a second one in step four. jQuery makes this very easy. Does it matter which order the event handlers are added in?

Part two:

- The event code in previous lab was good but it did not give immediate feedback to the user when each character was typed, neither did it erase any invalid character.
- For this task you'll need to create a keypress event which will prevent non-numeric characters from being added to the input.
  - Please keep the change event.
  - Tip: Use the slide code for this task.