

What is jQuery?

jQuery is an (extremely) popular JavaScript library, which makes it much, much easier to find and change html elements. It adds interactivity to webpages by detecting user "events" and doing "stuff" in response.

SET UP:

- Download zip file from here: <https://github.com/daneasterman/decoded-wishlist>
- Open up the files in text editor (sublime), then open up the index.html file in Chrome, right click anywhere on page and hit inspect element, then toggle to console.

Step 1 - Append

Add item to the page using simple append:

```
$('#items').append('<li>My first item</li>');
```

Step 2 - Grab Val() in input element

Grab the content in the val() input field: Get the content and then change it using val in console.

```
$('#item').val();  
  
$('#item').val('Any text here');
```

Step 3 - Add click handler, put val() code inside

```
$(document).on('click', '#add-to-list', function() {  
  var value = $('#item').val();  
  $('#items').append('<li>' + value + '</li>');  
});
```

Step 4 - Iterate! - Make some small improvements

We want the input field to clear every time we add an item:

Add this line:

```
$('#item').val('');
```

We also want input field to automatically focus:

```
$('#item').focus();
```

Step 5: Use the keyboard "enter" button to add an item:

```
$(document).keypress(function(event) {  
  if ( event.which == 13 ) {  
    addToList();  
  }  
});
```

Step 6: Let's refactor to make code DRY:

Let's put our append code in addToList function:

```
function addToList() {  
}
```

Step 7: Add Pending Labels!

```
$('#items').append('<li>' + value + '<span class="label  
pending">Pending</span></li>');
```

Step 8: Add Click Handler to the Label!

```
$(document).on('click', '.pending', function() {  
  var parentLi = $(this).parent();  
  $(parentLi).find('.pending').remove();  
  parentLi.append('<span class="label success">Done!</span>');  
});
```

Step 9: Add Completed class (strikethrough)

```
parentLi.addClass('completed');
```

Step 10: Add Running totals pending and completed items:

```
function updateTotal() {  
  var pendingLength = $('#pending').length;  
  var completedLength = $('#completed').length;  
  $('#total').text('Pending: ' + pendingLength + ' Completed: ' +  
  completedLength);  
}
```

Add the update total function inside our `.pending` click handler and our `function addToList() { }`:

```
updateTotal();
```

Credits:

This tutorial is inspired and adapted from the jQuery tutorial from codebar.io, find the original one (without all the answers) here: <http://tutorials.codebar.io/js/lesson3/tutorial.html>.