

What is jQuery?

jQuery is a widely used JavaScript library which makes it easier to find and change html elements on web pages, and do stuff in response to user events.

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 8: Add Completed class (strikethrough)

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

Step 9: 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();
```