

jQuery - write less. do more.

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JavaScript is a powerful and flexible scripting language, but can be intimidating for new developers. jQuery is an excellent entry point into interactive front-end web development.

The tagline for jQuery is 'Write less. Do more.'

In this section of the course, we are going to walk through setting up a jQuery document and customizing a couple of simple functions.

Note: jQuery is being phased out at Mutual of Omaha, but an introduction to this popular library is a great way to get started with JavaScript

jQuery Setup - index.html and script.js

In our index.html file, you will notice a reference to a jQuery library hosted by jquery.com through a Content Delivery Network or CDN.

The library reference **must appear before** the custom file. Think about it like checking out a book from the library

```
14     <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
15     <script src="js/script.js"></script>
```

jQuery Setup - index.html and script.js

In your index.html file, you will notice a reference to a jQuery library in the <head> section. This jQuery library hosted on jquery.com through a Content Delivery Network or CDN. The library reference is followed by a reference to the custom file **script.js** which is located in a folder named **js**:

```
14     <script src="https://code.jquery.com/jquery-3.3.1.js"></script>
15     <script src="js/script.js"></script>
```

NOTE: The library reference **must appear before** the custom file. Think about it like checking out a book from the library

jQuery Document Setup and Additional Info

- jQuery content is stored in HTML documents between `<script>` tags or .js files, for example, script.js (you will create a custom script.js file during the lab portion of this course).
- The first line in a jQuery document is **`$(document).ready(function(){`** which is an instruction for the remaining contents of the file to wait for the associated HTML document to load before proceeding.
- The `$` throughout the jQuery document is shorthand for jQuery

jQuery – activate upon page load or user interaction

- jQuery methods, functions, etc. can be activated upon page load or after a user interacts with page content in a predefined manner. Examples follow:

EXAMPLE: Display hidden images when the page loads (images start in a hidden state in the CSS or HTML document):

```
$(‘img’).fadeIn(‘slow’);
```

EXAMPLE: Hide all images when a user clicks any button on the page:

```
$(‘button’).click(function(){ $(‘img’).hide();})
```

EXAMPLE: Hide all images when a user clicks a button with an ID of ‘ClickMe’:

```
$(‘#clickMe’).click(function(){ $(‘img’).hide(); })
```

Next up – Lab and Quiz!