

JQUERY

Lesson 8

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LEARNING OBJECTIVES

- Be able to link a JS file to a HTML page
- Understand the relationship between jQuery and JavaScript and its benefits.
- Recognize jQuery syntax
- Use selectors and jQuery functions to effectively manipulate the DOM.

AGENDA

- Link a JS file to the HTML page
- Intro to jQuery
- jQuery Basics
- Lab time

LINKING A JS FILE

EXTERNAL STYLESHEETS

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Basic web page</title>
```

```
    <link rel="stylesheet" href="css/styles.css" />
```

```
    <script src="js/custom.js" type="text/javascript"></script>
```

```
  </head>
```

```
  <body>
```

```
    <!-- content goes here -->
```

```
    <script src="js/custom.js" type="text/javascript"></script>
```

```
  </body>
```

```
</html>
```

JQUERY vs JAVASCRIPT

JQUERY VS JAVASCRIPT

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation simpler with an easy-to-use application programming interface (API). jQuery has changed the way that millions of people write JavaScript.

Write less, do more.



JQUERY VS JAVASCRIPT

```
document.getElementById("button");
```

```
document.getElementsByClassName("button");
```

```
document.getElementsByTagName("h1");
```

```
$("#button");
```

```
$(".button");
```

```
$("#h1");
```


INCLUDING JQUERY

jQuery is a Javascript library and needs to be included in our HTML page to be used.

jQuery is a commonly used library so it can be loaded from a CDN, the benefit of using a public CDN is that most people have already downloaded jQuery from this location when viewing other sites.

<https://developers.google.com/speed/libraries/#jquery>

INCLUDING JQUERY

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Basic web page</title>
```

```
    <link rel="stylesheet" href="css/styles.css" />
```

```
    <script src="js/jquery.js" type="text/javascript"></script>
```

```
    <script src="js/custom.js" type="text/javascript"></script>
```

```
  </head>
```

```
  <body>
```

```
    <!-- content goes here -->
```

```
  </body>
```

```
</html>
```

EXERCISE: JQUERY EXAMPLE

<https://codepen.io> - jQuery Menu

JQUERY SYNTAX

JQUERY SYNTAX

The jQuery syntax is tailor-made for selecting HTML elements and performing some action on the elements.

Basic syntax is: **\$(selector).action()**

A **\$** sign to define/access jQuery

A **(selector)** to "query (or find)" HTML elements

A jQuery **action()** to be performed on the elements

JQUERY SYNTAX

`$("this").hide();` hides the current element.

`$("p").hide();` hides all `<p>` elements.

`$(".test").hide();` hides all elements with `class="test"`

`$("#test").hide();` hides all elements with `id="test"`

JQUERY DOCUMENT READY

```
$(document).ready(function(){  
    // jQuery methods go here...  
});
```

```
$(function(){  
    // jQuery methods go here...  
});
```

JQUERY FUNCTIONS

`.click()`

`.hide()`

`.show()`

`.slideUp()`

`.slideDown()`

`.slideToggle()`

`.children()`

`.attr()`

EXERCISE: JQUERY FUNCTIONS

<https://codepen.io> - jQuery Code



GENERAL ASSEMBLY

LAB TIME: BUILD A FAQ PAGE

Sublime Text - Template

Q&A



GENERAL ASSEMBLY

FEEDBACK

Lesson 8 - JQUERY

<http://ga.co/fewd23syd>