FEWD - JQUERY INTRO

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AGENDA

- Hooking up JS to CSS Classes
- Intro To jQuery
- jQuery Basics
- jQuery Traffic Light
- City Background Changer

HOOKING UP JS TO CSS CLASSES

Finish up Temperature Converter

INTRO TO JQUERY

WHAT IS JQUERY

jQuery **is** JavaScript

WHAT IS JQUERY

jQuery is a cross-browser JavaScript library designed to simplify the client-side scripting of HTML.

JQUERY

- A JavaScript library that makes DOM manipulation (and some other things) simpler than when done with "vanilla JS"
- jquery.com - documentation for the library (check out the "API documentation")
- "Cross browser" - works the same in all browsers
- **Allows:**
  - Document traversal
  - CSS Manipulation
  - Event Handling
  - Animation
  - and more!

JQUERY BASICS

JQUERY SCRIPT TAGS

Adding jQuery to your website

```
<script src="js/jquery-1.8.3.min.js"></script>
```

- Adding the file manually

```
<script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min
```

- Adding the file via external host

ORDER MATTERS

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Hello World</title>
  </head>
  <body>
    <h4>Hello World</h4>
    <p>Some text goes here.</p>
    <script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery
    <script src="js/index.js"></script>
  </body>
</html>
```

SYNTAX

Syntax: Spelling and grammar rules of a programming language.

JQUERY SYNTAX

$

The Dollar Sign

JQUERY SYNTAX - SELECTORS

$(".class").click();

Selectors are just like CSS

```
function doSomething() {
  // make something happen here
}

document.querySelector('.myClassName').onclick = doSomething;
```

In jQuery, this might look more like:

```
function doSomething() {
  // make something happen here
}

$('#thingy').click(doSomething);
```

JQUERY CLICK EVENT
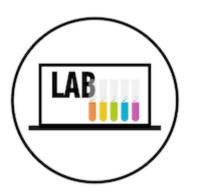
`.click()`

OTHER JQUERY EVENTS

```
.hover().submit().change().slideToggle()
    .hide().show().slideUp().slideDown()
```

...and many more! https://api.jquery.com/category/events/

Attn: The `change` event is sent when the element's value changes. This event is limited to `<input>` elements, `<textarea>` boxes and `<select>` elements.

JQUERY TRAFFIC LIGHT

CITY BACKGROUND CHANGER

HOMEWORK

- Finish City Background Changer
- Cash Register