FEWD - JQUERY INTRO

AGENDA

- Intro To Programming Reivew
- Intro To jQuery
- jQuery Basics
  - ▪ File Structure
  - ▪ Syntax
- Adding Interactivity

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INTRO TO PROGRAMMING REVIEW

What are your questions?

INTRO TO JQUERY
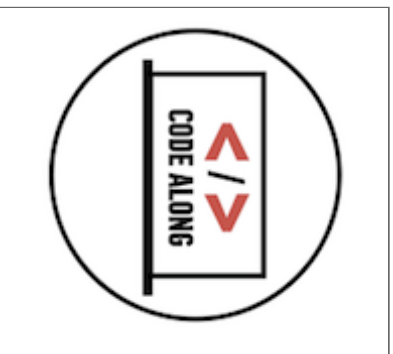
WHAT IS JQUERY?

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JQUERY

jQuery **is** JavaScript

JQUERY

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

JQUERY

- jquery.com - A JavaScript library that makes DOM manipulation simple.

- "Cross browser" - works the same in all* browsers.

- Allows:
  - Document traversal
  - CSS Manipulation
  - Event Handling
  - Animation
  - and more!

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JQUERY COLOR SWITCHER

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JS/JQUERY BASICS

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ADDING JQUERY TO YOUR WEBSITE

SCRIPT TAGS

JQUERY

Adding the file:

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

-OR-

Adding it via CDN:

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

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SYNTAX

Syntax: Spelling and grammar rules of a programming language.

JAVASCRIPT SYNTAX - PUNCTUATION

* Semicolon
* Brackets
* Parentheses
* Quotation Marks

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JAVASCRIPT SYNTAX EXAMPLE

```
function helloWorld() {
  console.log('hellow world');
};
```

```
helloWorld();
```

JQUERY SYNTAX

$

The Dollar Sign

JAVASCRIPT SYNTAX - SELECTORS

```
document.querySelector('.element-class');
document.getElementById('elementId');
document.getElementsByTagName('body');
```

- There are many different ways to select an element in plain JS, not all is supported in every browser

- Once an element is selected, there are a lot of steps you need to take to perform an action on that element

JQUERY SYNTAX - SELECTORS

$(".class")

- Uses css selectors to select an element
- Works in every browser
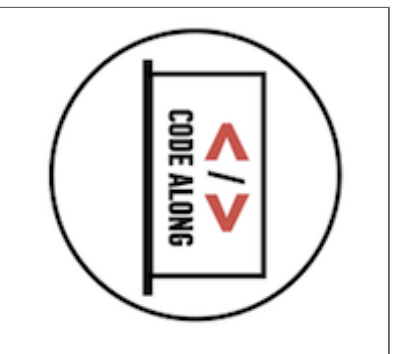- Can perform any jQuery method on that element very easily

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JQUERY SYNTAX - METHODS

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

JQUERY CLICK EVENT

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

```
function clickJustHappened() {
    // Do some things!
}
```

JQUERY TRAFFIC LIGHT

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MORE JQUERY METHODS

- `slideUp()`
- `slideDown()`
- `fadeIn()`
- `fadeOut()`

THE JQUERY DOCS

https://api.jquery.com/

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SYNTAX DRILL

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ADDING INTERACTIVITY

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