FEWD
GENERAL ASSEMBLY

WEEK 4 / LESSON 8:

INTRODUCTION TO JQUERY

Leonie Dunnett

LEARNING OBJECTIVES

- Differentiate between jQuery and JavaScript

- Describe benefits of using them

- Recognize jQuery syntax

- Use selectors and jQuery functions

TODAY'S SCHEDULE

- Intro To Programming Review

- Intro To jQuery

    - Color Switcher Code Along

- jQuery Basics

    - Traffic Light Code Along

- Adding Interactivity Code Along

- jQuery DOM Selector Lab

INTRO TO PROGRAMMING REVIEW

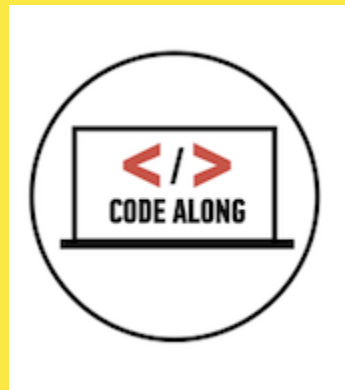Any questions?

INTRO TO JQUERY

WHAT IS JQUERY

jQuery **is** JavaScript

A cross-browser JavaScript library that makes DOM manipulation simple

"cross-browser" - works the same in all browsers

WHAT CAN JQUERY DO?

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

COLOR SWITCHER

JQUERY BASICS

ADDING JQUERY TO YOUR SITE

- Adding the file:

```
<script src="js/jquery-2.1.3.min.js"></script>
```

- Google CDN (content distribution network):

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.3/jquery.min.js">
</script>
```

- 3 reasons to let Google host jQuery via Encosia

SYNTAX

The formal spelling and grammar rules
of a programming language

JAVASCRIPT SYNTAX: PUNCTUATION

- Semicolon **;**
- Brackets **( )**
- Parentheses **{ }**
- Quotation Marks **" "** | **' '**

JAVASCRIPT SYNTAX: COMMENTS

```
//Single Line Comments

/* Multi line comments /*
```

JQUERY SYNTAX

$

The Dollar Sign

JQUERY SYNTAX: SELECTORS

Selectors are just like CSS

```
$("#special").click();
```

JavaScript:

```
document.getElementById('special').onclick = doSomething;

function doSomething() {
    // make something happen here
}
```
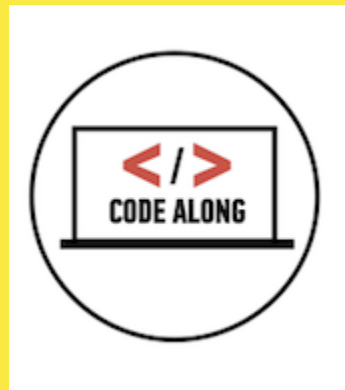
In jQuery, this might look more like:
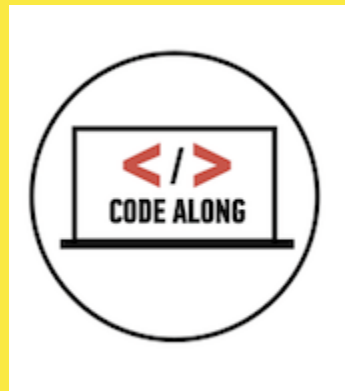
```
$('#special').click(doSomething);

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

JQUERY BASICS

- Selectors

- Click Event .click()

- Hide/Show .hide() and .show(), .toggle()

- Slide .slideUp(), .slideDown(), .slideToggle()

- Traversing .parent(), .children(), .next()

- Get Content and Attributes .text() and .html(), .attr()

- CSS Method .css() single, .css() multiple

JQUERY TRAFFIC LIGHT

ADDING INTERACTIVITY

FAQ Exercise

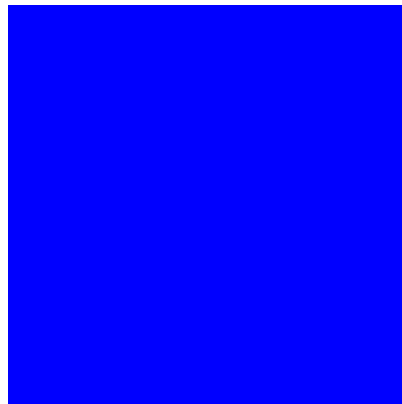# JQUERY DOM SELECTOR

(Assignment 4 practice)

SYNTAX DRILL

(Alternative exercise for anyone who wants to play with jQuery Syntax)

SYNTAX DRILL

DO   SOMETHING

Single-origin coffee occupy Banksy raw denim cray banjo, iPhone you probably haven't heard of them Neutra trust fund distillery fixie 90's semiotics butcher. Jean shorts typewriter paleo, authentic keffiyeh Helvetica tattooed mumblecore bespoke fixie mixtape artisan. Forage craft beer XOXO Carles vinyl pickled. XOXO Austin mustache McSweeney's messenger bag tofu forage, post-ironic mixtape banjo kogi Blue Bottle dreamcatcher. Pitchfork paleo narwhal, kogi PBR&B Odd Future fingerstache Neutra slow-carb Portland 8-bit wayfarers forage +1. Intelligentsia Pinterest brunch cliche. Fanny pack four loko Vice Neutra tofu, pour-over selvage Banksy Marfa Pitchfork.

REVIEW: LEARNING OBJECTIVES

- Differentiate between jQuery and JavaScript

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- Use selectors and jQuery functions

HOMEWORK

Review: Slides and resources

Code: Assignment 4

What is Assignment 4?

To create interactivity on Relaxr's blog
by hiding and showing content on click events

RESOURCES

JQuery vs. JavaScript via Udemy Blog

jQuery Introduction via Shay Howe

JavaScript Examples via W3Schools

jQuery Examples via W3Schools

jQuery Events via W3Schools

Examples on Codepen: Hamburger | Tab Selector