

FEWD - JQUERY INTRO

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AGENDA

- Intro To Programming/Javascript Review
- Intro To jQuery
- jQuery Basics
- Adding Interactivity

INTRO TO PROGRAMMING REVIEW

Questions?

JAVASCRIPT RECAP

• Used to define behaviour on a website

```
function changeLightToRed() {
    clearLights();
    document.getElementById("redLight").style.backgroundColor = "red'
}
document.getElementsById("stopButton").onclick = changeLightToRed;
```

INTRO TO JQUERY

JQUERY

- A JavaScript library that makes DOM manipulation simple.
- Cross browser
- Allows:
 - Document traversal
 - CSS Manipulation
 - Event Handling
 - Animation
 - and more!

JQUERY

Adding jQuery to your website by using the <script> tag

Adding the file

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

CDN

<script src="https://code.jquery.com/jquery-1.12.4.min.js"></script>

JQUERY SYNTAX

\$

Where the magic starts

JQUERY - SELECTORS

Selectors are just like CSS

```
$(".classElement").click();
$("#aboutUsSection").scrollDown();
$("footer .socialLink").css();
```

JQUERY - PERFORMING ACTIONS

In plain JavaScript:

```
document.getElementById('thingy').onclick = doSomething;
function doSomething() {
    // make something happen here
}
```

In jQuery:

```
$('selector').click(doSomething);
function doSomething() {
    // make something happen here
}
```

BASIC JQUERY SYNTAX

- 1. Select an element
- 2. Apply a method (action)
- 3. Don't forget the semicolon!

```
$(".button").click(helloWorld);
$("#anotherElement").hide();
```

SOME JQUERY METHODS

JQUERY .READY()

- Delays execution until everything has loaded.
- Usually the entry point to your JavaScript code.

```
function start() {
    // All JavaScript and jQuery goes in here
}
$(document).ready(start);
```

JQUERY CLICK EVENT

.click(functionName)

eg:

\$("#theBigRedButton").click(allThePopups);

JQUERY CLASS MANIPLATING

```
.addClass("className")
.removeClass("className")
```

```
$("#sideBar").addClass("active");
```

JQUERY MANIPULATING VISIBILITY

```
.show()
.hide()
.scrollUp()
.scrollDown()
```

```
$("nav").show();
$("#subMenu").scrollDown();
```

JQUERY MANIPULATING ELEMENT ATTRIBUTES

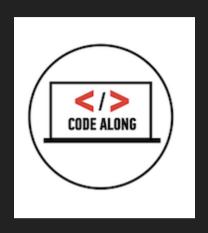
```
.attr(attributeName, value)
```

```
$("#mainImage").attr("src", "differentSrc.jpg");
```

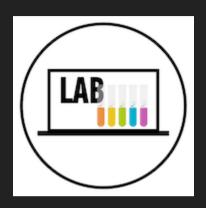
JQUERY TRAVESING THE DOM

```
.children()
.parents()
.siblings()
```

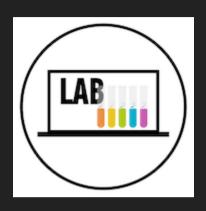
```
$("#mainSection").children(".featuredArticle").addClass("active");
$(".products").parents(".category").removeClass("eofySale");
```



JQUERY TRAFFIC LIGHT



SYNTAX DRILL



FAQ ACCORDIAN

READING

- jQuery reference
- preventDefault
- jQuery DOM selector practice