



FEWD - JQUERY INTRO

DAVID LI

Front End Developer, SitePoint

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.getElementById("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")
```

eg:

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

JQUERY MANIPULATING VISIBILITY

```
.show()  
  
.hide()  
  
.scrollTop()  
  
.scrollDown()
```

eg:

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

JQUERY MANIPULATING ELEMENT ATTRIBUTES

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

eg:

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

JQUERY TRAVESING THE DOM

```
.children()
```

```
.parents()
```

```
.siblings()
```

eg:

```
$("#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
-