

FRONT-END DEVELOPMENT

The goal of this lesson is to teach students basic jQuery before they learn programming fundamentals.

To help students make the connection between programming and creating interactive websites, we will use cookie monster as a practical example to tie in programming fundamentals learned in the console.

HTML CSS RECAP

HTML - The structure

CSS - The styling

- Introduction to JavaScript & jQuery
- Basic jQuery

INTRODUCTION TO JAVASCRIPT + JQUERY

WHAT IS JAVASCRIPT?

- JavaScript is a programming language that allows you to effect the behavior of a webpage. JavaScript files have the file extension ‘.js’. JavaScript (like HTML and CSS) support is built right into the browser, so a user doesn’t need to have a plugin like Flash or Java to use it.

LESSON 11: INTRODUCING JAVASCRIPT

WHAT IS JQUERY?

We have a whole section dedicated to jQuery but we are going to learn a little jQuery today to make JS more fun!

Let students know that we will be talking about jQuery in depth in later sessions

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EXERCISE: WHAT JAVASCRIPT CAN DO

Exercise: Exploring JS Site

<http://www.diesel.com/campaign/#/15>

ADDING JAVASCRIPT TO THE WEBPAGE

Loading a JavaScript file:

- `<script type="text/javascript" src="path/file.js"> </script>`

Inline JavaScript

- `<script type="text/javascript">
"JavaScript code goes here";
</script>`

LAB TIME

Exercise: Adding The Script

BASIC JQUERY

ADDING JQUERY TO OUR WEBPAGES

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

JAVASCRIPT STATEMENTS

- A line of code
- Ends in a semicolon (;)
- `//` `/* */` comments
-

DOCUMENT READY FUNCTION

```
$(document).ready(function() {  
  
});  
$()
```

Key Topics:

- When is it executed

Notes:

At this point students will memorize the syntax. We will discuss more in details later on.

JQUERY FUNCTIONS

```
<h1>GA Is The Best</h1>  
<p>Hello</p>
```

```
$("p").html("goodbye");  
$("h1").css("color", 'blue');
```

You can use code pen to demonstrate.

JQUERY WE WILL NEED (FOR NOW)

```
$(document).ready(function(){ });  
$("#demo").html();  
$("h2").html();
```

LAB TIME

Code Along: Cookie Monster

Exercise: jQuery and Code Pen

STRUCTURE OF THE JS LESSONS

- First 4 lessons focus on programming fundamentals.
 - We will work a lot in the console.
- The rest we are back in the browser.