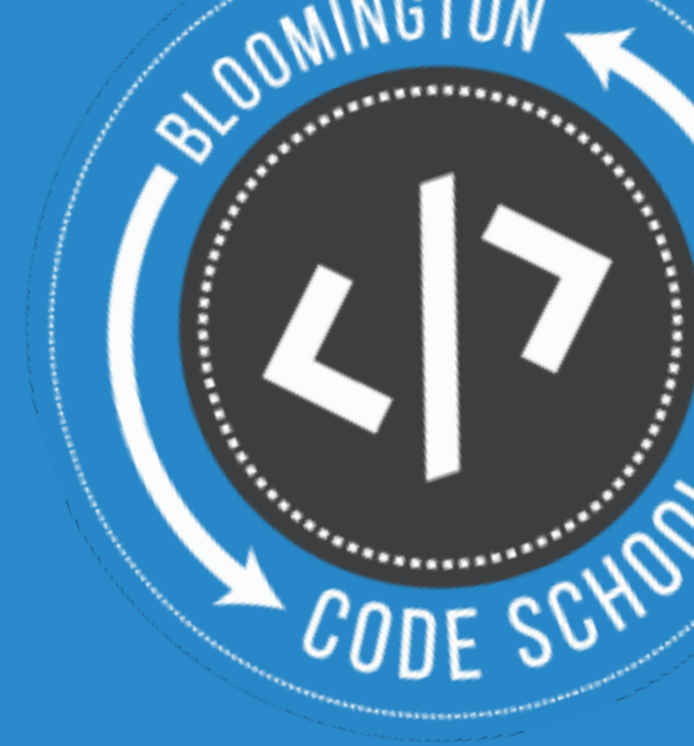# JavaScript and jQuery

```
// WEEK 2 — Frontend Web Development, Part II
// Bloomington Code School — Spring 2016
```

LAST WEEK

// Introductions
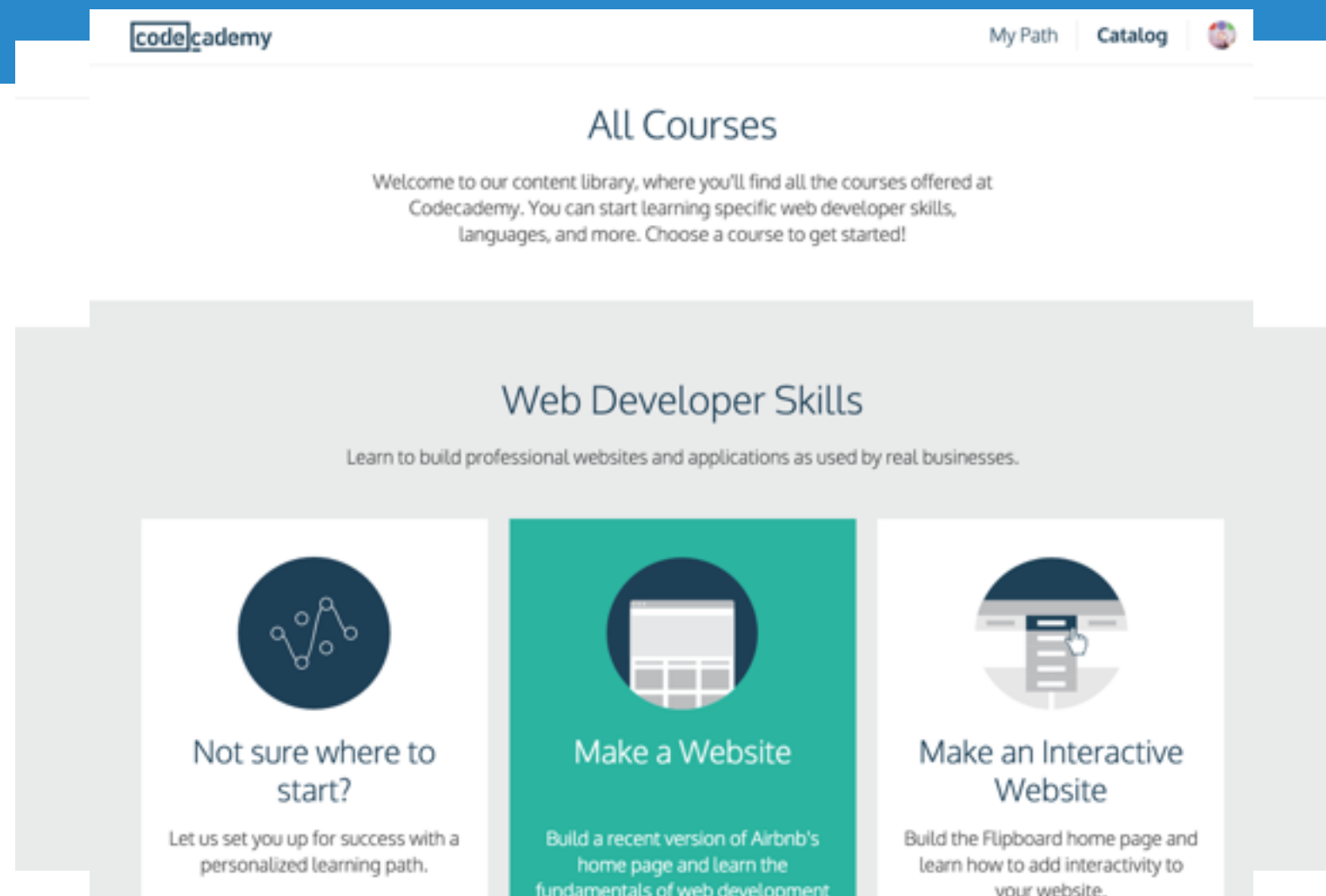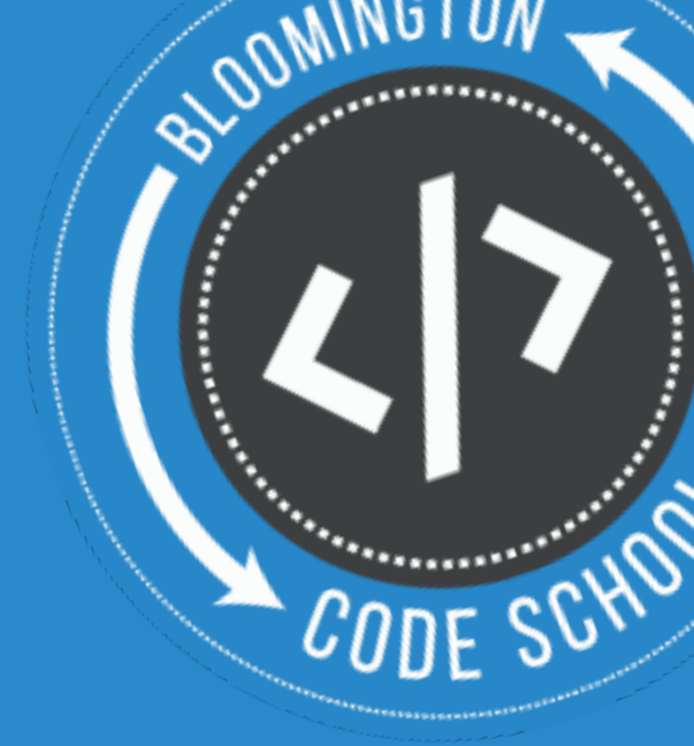
// HTML & CSS Features

// JS Features

// Your Features

LAST WEEK

// codecademy.com

// MAKE A
   WEBSITE

THIS WEEK

// Just a little more HTML & CSS Review

THIS WEEK

// Just a little more HTML & CSS Review

// How to speak JavaScript
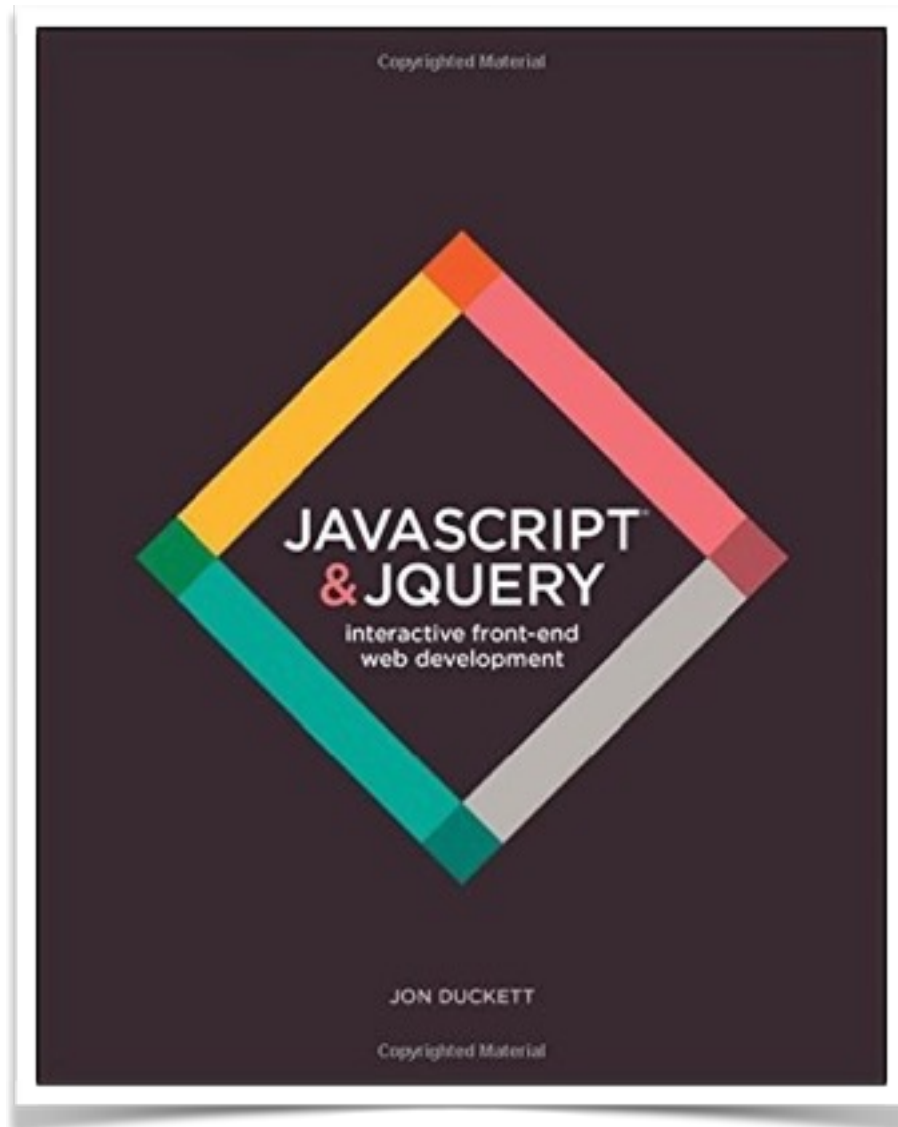
THIS WEEK

// Just a little more HTML & CSS Review

// How to speak JavaScript

// How to listen

JavaScript and JQuery
by Jon Duckett

http://bit.ly/csjq1

A Smarter Way to Learn JavaScript
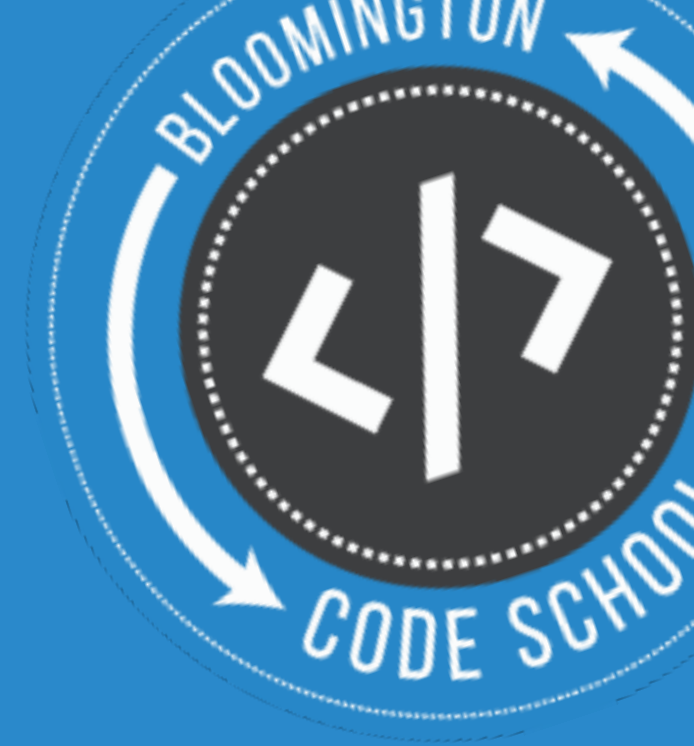**by Mark Myers**

http://bit.ly/csjs1

HTML / CSS

HTML / CSS

What is…
    * a selector
    * the DOM

Explain the difference between…
    * an ID vs a class
    * block vs inline
    * client vs server

HTML / CSS

// How does an HTML page work with CSS & JS ?

HTML / CSS

```
// How does an HTML page work with CSS & JS ?

// Answer: It's all in the DOM.
```

JS SPEAK

```
alert("Don't forget to bring a towel.")

        - - - - - ->
```

JS SPEAK

```
// My name is Brandon.
// I am 32 years old.
// I was born in U.S.

   _ _ _ _ _ _->

      I
      ↓
```

JS SPEAK

```
// My name is Brandon.          var name = "Brandon";
// I am 32 years old.           var age = "25";
// I was born in U.S.           var bornIn = "U.S.";


     – – – – – –>                    – – – – – –>


         ↧                               ↧
```

JS SPEAK

```
var thanks = "Thanks for the memories.";
alert(thanks);
```
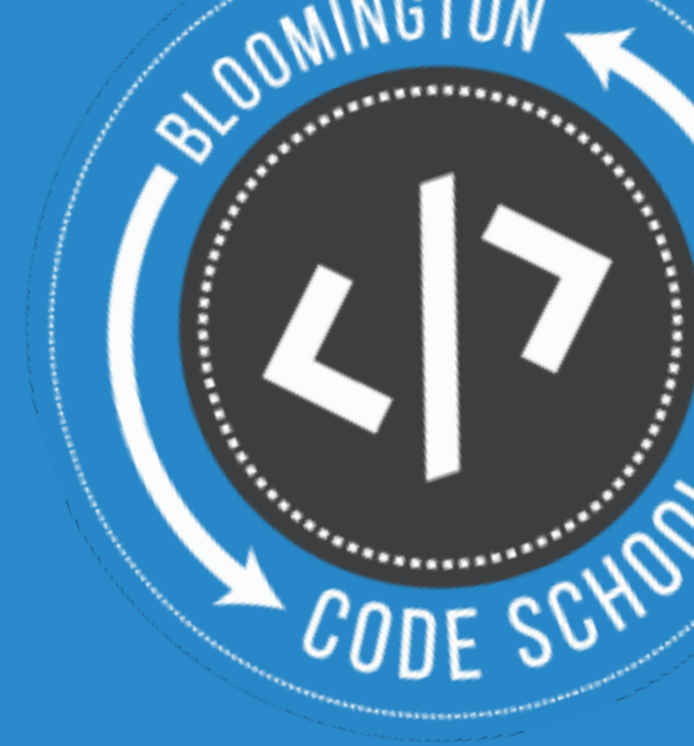
JS SPEAK

```
var thanks = "Thanks for the memories.";
alert(thanks);


//          OPERATOR
```

VARIABLES

VARIABLES

```
// Basic Variable Rules

//   * must start without quote (or else it's a string)
//   * must start without number (else it's a number)

//   * cannot be a reserved word (keyword)
//   * case sensitive, no spaces, only:
//       letters / numbers
//       $$ (dollar signs)
//       __ (underscores)
```

VARIABLES

```
// Basic Variable Suggestions (be cool)

//  * use lowercase first letters
//  * use camelCase
//  * short but descriptive
//  * short but readable
//  * descriptive and readable but short
//  * stick to your own conventions
```

[side note]

```
// JavaScript wants things to be easy
```

STRINGS

```
// JavaScript wants things to be easy

" some text here " + "and some here!";
```

STRINGS

```
// JavaScript wants things to be easy

“ some text here ” + “and some here!”;


//           OPERATOR
```

STRINGS

```javascript
// JavaScript wants things to be easy

" some text here " + "and some here!";


// " some text here and some here!"
```

MATHS

```
// JavaScript wants things to be easy

1 + 1;

//
```

MATHS

```
// JavaScript loves shorthand

num++;

num--;
```

MATHS

// OPERATORS

MATHS

```
// OPERATORS




// http://www.w3schools.com/js/js_operators.asp
// (just google for "javascript operators")
```

MATHS

// ORDER OF PRECEDENCE

MATHS

```
// ORDER OF PRECEDENCE




// http://bit.ly/MDNorder
```

[side note]

```
// 'Adding' strings is called CONCATENATION

" some text here " + "and some here!";



// " some text here and some here!"
```
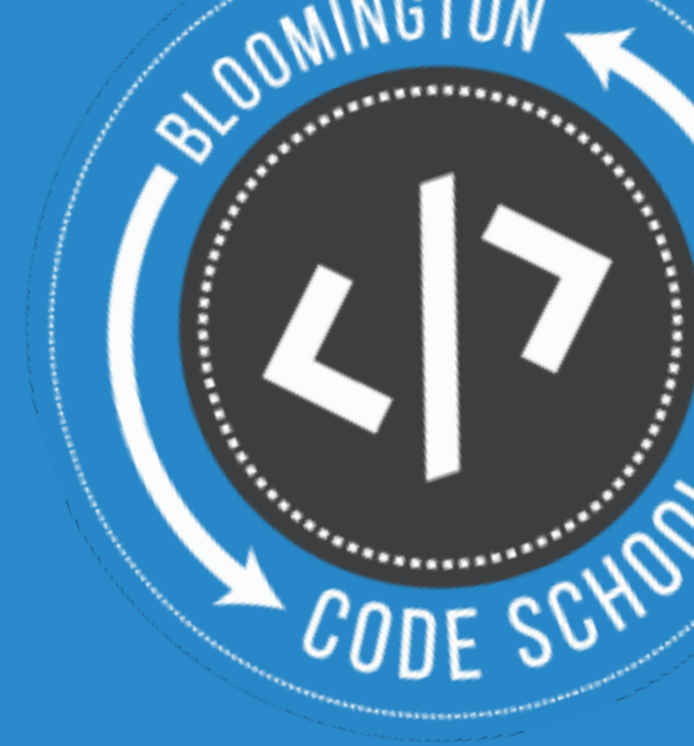
DIALOGS

ALERTS

```
var thanks = "Thanks for the memories.";
alert(thanks);
```

PROMPTS

```
var name = prompt("Your name?", "Emmy");
```

PROMPTS

```
var questionToAsk = "What's ur name?";
var defaultAnswer = "Emmy";

var name = prompt(questionToAsk, defaultAnswer);
```
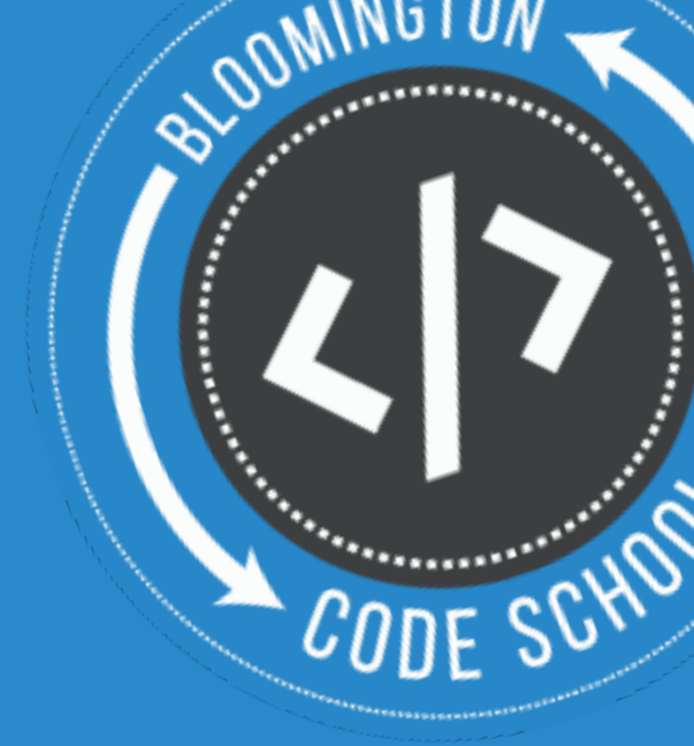
FOR NEXT WEEK

```
// CHALLENGE

// Ask the user…
//  * What is your name?
//  * What is your age?

// Tell the user…
//  * their name and
//  * how old they will be at this time next year
```

ME

// brandonjp@gmail.com