JavaScript and jQuery Review

Today's Plan

01 Answer any lingering questions.

02 Outline the major topics covered so far.

03 Break into groups for a heavily supported coding session.

Recap

The Important Stuff

HTML/CSS:

| 01 | The basic parts of an HTML document (`<html>`, `<doctype>`, `<p>`, `<h1>`, etc.) |

| 02 | Using in-line, internal, and external CSS style sheets |

| 03 | Using relative pathways to link CSS and other assets |

| 04 | Using HTML IDs `(#)`, classes `(.)`, and element names to attach CSS styles |

Git:

| 01 | The advantages of using Git and source control management |

| 02 | Using Git Bash or Terminal to perform basic Git commands |

| 03 | Using Git clone, add, commit, and push commands |

| 04 | Branching via Git branch, checkout, and pull requests |

The Important Stuff

Bootstrap and Mobile Responsiveness:

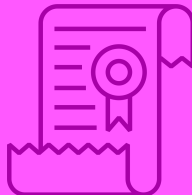|	
01	Using a pre-built CSS library
02	Including Bootstrap CSS in your existing website
03	The process of dissecting a layout in the Bootstrap grid system
04	Using Bootstrap components such as panels, jumbotrons, navigation bars, and so on
05	A general understanding of media queries and mobile responsiveness

Bootstrap Layouts

Rows: 4 total

Bootstrap Layouts

Columns total: Different for each row

1

News   Home   About   Contact

Awesome Stories

2

The Greatest Website Ever Made

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla.

2

The Greatest Website Ever Made

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1

Bootstrap Grid

Note the rows, columns (`col-lg-6`), and containers.

```html
<!-- Creates the Overall Grid -->
<div class="container">

    <!-- First Row -->
    <div class="row">
        <!-- First (and only column) -->
        <div class="col-lg-12">
            <h1>I'm in Column 1 of 1. I stretch the entire width. And keep going.</h1>
        </div>
    </div>

    <!-- Second Row -->
    <div class="row">
        <!-- First of two columns -->
        <div class="col-lg-6">
            <h1>I'm in Column 1 of 2</h1>
        </div>
        <!-- Second of two columns -->
        <div class="col-lg-6">
            <h1>I'm in Column 2 of 2</h1>
        </div>
    </div>

</div>
```

The Important Stuff: JavaScript

01 The purpose JavaScript serves in relation to HTML and CSS

02 The uses and syntax for creating the following:

- Variables
- Arrays
- `console.log`, `alert`, `confirm`, and `prompt`
- If-Then Statements
- For Loops

- Functions
- Objects
- Scope
- Methods

The Important Stuff: JavaScript (Continued)

03   Organizing a JavaScript program with regards to global variables, functions, and function calls

04   Using vanilla JavaScript code to capture key clicks

05   Using Vanilla JavaScript code to generate random numbers

jQuery

01   The purpose of a JavaScript library like jQuery

02   The meaning of the jQuery `$(_)` syntax

03   Using jQuery to capture button clicks

04   Examples of jQuery methods for changing HTML

05   Using jQuery and JavaScript to change HTML in response to code

Group Activity:
Review Questions

Suggested Time:
5 minutes

Group Activity: Review Questions

Spend a few moments *seriously* looking over the important topics we've covered.

Write down any of the following:

Which topics still seem fuzzy or challenging to you?

What specific questions do you have about these topics?

What conceptual questions do you have about these topics?

Once you've written your responses to the previous questions, do the following:

Ask the members of your group if they know the answers to your questions or if they can explain a topic you are unsure about.

Write down any topics that you are still unsure about following the group discussion.

Suggested Time: 5 minutes

`<Time to Code>`