FINAL ASSESSMENT STUDY GUIDE

**HTML, CSS, JAVASCRIPT, JQUERY, REACT, NODE**

For the final assessment you will want to be able to...

**HTML / CSS**

* Write basic HTML tags and add common attributes such as id and class.
* Write common HTML tags with attributes, such as anchor, input, and img.
* Nest HTML elements.
* Use the various kinds of CSS selectors (e.g. element, id, class, descendant).
* Use common CSS pseudo-selectors.
* Use common CSS properties.
* List and give examples how to specify CSS colors and sizes.
* List and give examples of CSS display types: block, inline and inline-block.
* Calculate an element’s size based on the box model.
* Use an external font in CSS.

**JAVASCRIPT**

* Declare and assign variables.
* List data types.
* Give examples of truthy and falsy.
* Use if / else if / else statements.
* Compare values (e.g. equal, greater than, less than)
* Create functions, including correct use of parameters and return. (Note: a lot of questions depend on this. You could lose a lot of points is you’re not really comfortable with creating and calling functions.)
* Call functions, including passing arguments and storing or logging the return value.
* Define and call methods.
* Build objects, arrays and arrays of objects.
* Access and modify elements in arrays and objects.
* Loop through arrays and arrays of objects.
* Use all four types of loops.
* Use native JavaScript DOM methods to find elements by ID, class and element type.
* Identify variables in function and global scope.
* Identify the effects of hoisting.
* Use prompt and alert.

**JQUERY**

* Write various kinds of jQuery selectors.
* Write simple event handlers with jQuery.
* Make an AJAX call with jQuery and log the result.
* Use jQuery to modify the class, attributes or styles of HTML elements.

**REACT**

* Read and explain code snippets written with React.
* Write a basic component with state and props using ES6 class syntax.
* Describe the purpose of React.
* Describe the purpose of Redux.
* Describe the role of each of these parts of Redux: state, action, reducer.
* Identify what specific <Route> and <Link> components do.

**NODE.JS**

* Use modules, exports and require to access JavaScript between two files in Node.
* Require external modules.
* Install npm modules locally and globally.
* Run a JavaScript file from the command line with Node.