FINAL ASSESSMENT STUDY GUIDE

**HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, 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.
* 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.
* Use all four types of loops.
* Use native JavaScript DOM methods to find elements by ID, class and element type.
* Variables in function and global scope.

**JQUERY**

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

**ANGULAR**

* Describe the roles of the three parts of MVC.
* In HTML, use a directive, such as ng-app, ng-model or ng-view.
* Write code to define an Angular module.
* Write a simple Angular controller.
* Write code to manipulate the model within a controller.
* Use Angular expressions, including object dot notation and operators.
* Use HTML text inputs to manipulate the Angular model.
* Use Angular filters, such as uppercase, lowercase, filter, and orderBy.
* Use ng-repeat in HTML with an array. Write it from scratch.
* Make an AJAX call with Angular and do something with the result.
* Define a service using the factory method.
* Use a service within a controller. This requires correct use of dependency injection.
* Define a basic custom directive.
* Use a custom directive in HTML.

**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.