FINAL ASSESSMENT STUDY GUIDE

**HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, NODE**

**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 (e.g. visited, active, hover).
* 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.
* Understand how to float elements.

**JAVASCRIPT**

* Declare and initialize variables.
* Know data types.
* Give examples of truthy and falsy.
* Use if / else if / else statements.
* Compare values (e.g. equal, greater than, less than)
* Declare functions, including correct use of parameters, arguments, and return.
* 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 (for, while, do..while, forEach).
* 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, ng-repeat, and ng-view.
* Create Angular modules.
* Create Angular controllers.
* 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.
* Make an AJAX call with Angular and do something with the result.
* Define a service using the factory and service methods.
* Use a service within a controller. This requires correct use of dependency injection and using the service’s methods from within the controller.
* Create a custom directive and using it in HTML.

**NODE.JS**

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