WEEK 4 ASSESSMENT

**JQUERY, HTTP & ANGULAR**

# IN YOUR TEXT FILE, WRITE THE CODE TO COMPLETE THE FOLLOWING

### JavaScript, HTTP, JQuery

1. What is an IIFE and why do we use it? *[1pt]*
2. There are several benefits of using jQuery. List three. *[1pt]*
3. Rewrite these lines using jQuery selectors: *[3pts]*
   1. document.getElementById('my-info')
   2. document.getElementsByClassName('hero');
   3. document.getElementsByTagName('li');
4. Write a jQuery selector that selects a button with a class name of ‘btn’. *[2pts]*
   1. Use the on() method to attach a "click" event handler to that button.
   2. When the button is clicked, it should slide in a form with the id of “main-form”. When the button is clicked again, it should slide out the same form.
5. What is the difference between GET and POST? *[1pt]*
6. Write the code to make a GET request to [http://www.example.com/books.json](http://www.reddit.com/r/aww.json). *[3pts]*
   1. Declare a variable named response that is initialized to the data returned.
   2. Look at *Figure A*, which represents the data in the response variable. Log the value "Animal Farm” to the console.

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| *Figure A*  {  "books": [  { "title": "The Origin of Species", "author": "Charles Darwin" },  { "title": "Animal Farm", "author": "George Orwell" },  { "title": "1984", "author": "George Orwell" }  ]  } |

### AngularJS

1. Using the ng-app directive, include the module called “myApp” to the html element. Create the module called “myApp” in JavaScript. This module has no dependencies. [*2pts*]
2. Create an input with a type of text. Use ng-model to bind it to the “username” property on the $scope object. [*1pt*]
3. Using the following HTML, describe what the filter is doing. [*1pt*]

<p ng-repeat=”friend in friendsList | orderBy”> {{ friend }} </p>

1. Based on the following HTML, describe what is wrong. [*1pt*]

<li ng-repeat=”user in usersList”> {{ users }} </li>

1. Create an Angular controller named "myController". In the controller, set a property on the scope called "greeting" which has a value "Hello World". Hint: This may require dependency injection. *[2pts]*
2. What are two Angular keywords that can be used to define a service? [*2pts*]
3. Explain the difference between "template" and "templateUrl". [1pt]
4. Write a GET request to <https://www.example.com/books.json> using the $http service that Angular provides us. Console log the response. [2pts]
5. Refer to *Figure B*. What controller and templateUrl will load when the user navigates to the band route? [*1pt*]

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| *Figure B*  app.config(function($routeProvider) {  $routeProvider.when("/home", {  templateUrl: "views/home.html"  }).when("/band", {  templateUrl: "views/band-members.html",  controller: "bandMembersController"  }).otherwise({  template: "Please select one of the links above."  }); }); |

16. What component can we use to persist data throughout an application? *[1pt]*