Week 5

Quiz 41

1. What is missing in the following snippet of code in order to make sure AngularJS is in charge of validating this form?   1 / 1 point

```
1   <form name='formName'>
2     <input
3       type="text"
4       name="firstName"
5       ng-model="ctrl.firstName"
6       required
7       min-length="10">
8       <button ng-click="ctrl.validate()"></button>
9   </form>
```

○ Button has to have ng-model defined on it

◉ form element is missing 'novalidate' attribute.

○ The required attribute should be required="true"

✓ **Correct**
Correct! We need to prevent the native browser HTML5 validation.

2. Given the following HTML snippet: 1 / 1 point

```
1   <form name='formName'>
2     <input
3       type="text"
4       name="firstName"
5       ng-model="ctrl.firstName"
6       required>
7
8       <span ng-if="formName.firstName.$error.required && formName.firstName.$touched">Name is
9
10      <button ng-click="ctrl.validate()"></button>
11  </form>
```

When is the error message "Name is required" going to be displayed?

○ When the form is first displayed to the user if the textbox is empty.

○ When the user hovers over the textbox if it's is empty.

◉ When the user clicks into the textbox and then clicks somewhere else, leaving the textbox empty.

○ When the user clicks into the empty textbox.

✓ **Correct**
Correct!

3. Given the following snippet: 1 / 1 point

```
1   <form name='formName'>
2     <input
3       type="text"
4       name="firstName"
5       ng-model="ctrl.firstName"
6       required>
7
8       <span ng-if="formName.firstName.$error.required && formName.firstName.$touched">Name is
9
10      <button ng-click="ctrl.validate()"></button>
11  </form>
```

What is 'formName' inside of the ng-if attribute refer to *in AngularJS objects*?

○ The Form object

○ The form directive

◉ A controller placed on the $scope with a label of 'formName'.

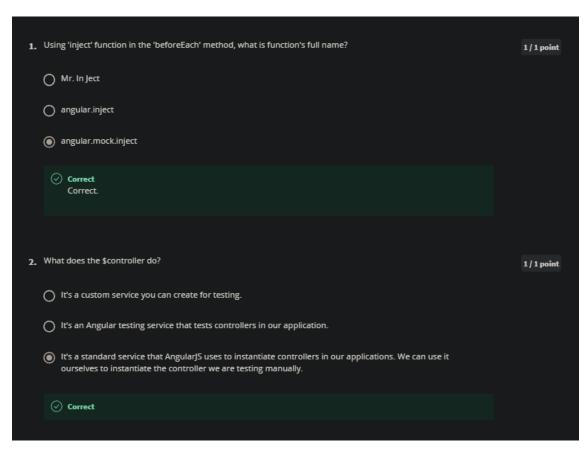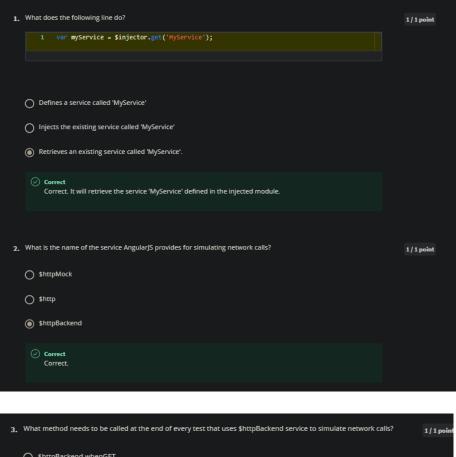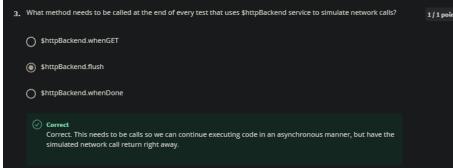✓ **Correct**
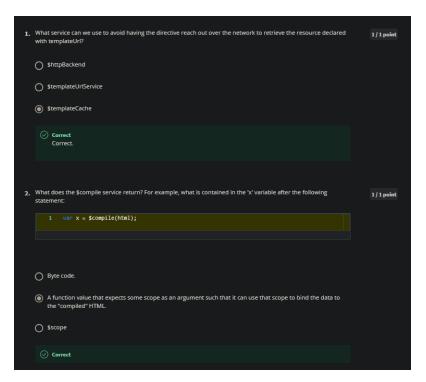Correct!

Quiz 42

1. When speaking of testing your code, "mocking" refers to   1 / 1 point

   ○ Teasing other developers who don't test their code. 😛

   ⦿ Developer or library creating objects that can serve as substitutes for real services that the test is not testing, but the target code relies on.

   ○ Importing needed libraries for the test to run

   ○ I have no idea, but isn't the proper term Mac-ing as in using a Mac computer?

   ✓ **Correct**
   Correct

2. The function beforeEach is run one time per "describe" function block.   1 / 1 point

   ○ True

   ⦿ False

   ✓ **Correct**
   Correct. It runs before each 'it' spec, i.e, before each test.

Quiz 43

1. Using 'inject' function in the 'beforeEach' method, what is function's full name?   1 / 1 point

   ○ Mr. In Ject

   ○ angular.inject

   ⦿ angular.mock.inject

   ✓ **Correct**
   Correct.

2. What does the $controller do?   1 / 1 point

   ○ It's a custom service you can create for testing.

   ○ It's an Angular testing service that tests controllers in our application.

   ⦿ It's a standard service that AngularJS uses to instantiate controllers in our applications. We can use it ourselves to instantiate the controller we are testing manually.

   ✓ **Correct**

Quiz 44

1. What does the following line do?   1 / 1 point

```
1    var myService = $injector.get('MyService');
```

○ Defines a service called 'MyService'

○ Injects the existing service called 'MyService'

◉ Retrieves an existing service called 'MyService'.

✓ **Correct**
Correct. It will retrieve the service 'MyService' defined in the injected module.

2. What is the name of the service AngularJS provides for simulating network calls?   1 / 1 point

○ $httpMock

○ $http

◉ $httpBackend

✓ **Correct**
Correct.

3. What method needs to be called at the end of every test that uses $httpBackend service to simulate network calls?   1 / 1 point

○ $httpBackend.whenGET

◉ $httpBackend.flush

○ $httpBackend.whenDone

✓ **Correct**
Correct. This needs to be calls so we can continue executing code in an asynchronous manner, but have the simulated network call return right away.

Quiz 45

1. What service can we use to avoid having the directive reach out over the network to retrieve the resource declared with templateUrl?   1 / 1 point

○ $httpBackend

○ $templateUrlService

◉ $templateCache

✓ **Correct**
Correct.

2. What does the $compile service return? For example, what is contained in the 'x' variable after the following statement: 1 / 1 point

```
1    var x = $compile(html);
```

○ Byte code.

◉ A function value that expects some scope as an argument such that it can use that scope to bind the data to the "compiled" HTML.

○ $scope

✓ **Correct**

3. What must be called in order to have the bound data update the view (i.e, output of the directive)?   **1 / 1 point**

○ $compile(html)($rootScope)

◉ The $digest() as in $rootScope.$digest()

○ $config.run

✓ **Correct**
Correct. The Digest Cycle needs to be kicked off manually.

Quiz 46

1. What service do we use to create the controller in a test environment for our component?   **1 / 1 point**

○ $component

○ The standard AngularJS $componentController

◉ The ngMock module's $componentController

✓ **Correct**
Correct.

Quiz 47

1. What would happen if we skipped the following line of code in the 'responseError' function of the interceptor?   **1 / 1 point**

```
1    return $q.reject(response);
```

○ It's just a precaution. It's not really needed here.

◉ The call will still return to the caller and it will look like our promise 'resolved' when it fact, the promise failed. The caller code will treat the response object as if it's the expected result which will probably cause errors.

○ Everything will resolve successfully.

○ The HTTP call will fail and throw errors.

✓ **Correct**
Correct.