

SPIES

.....

- In Jasmine, mocks are referred to as spies.

Spies allow us to hook into certain functions, and check whether they:

- 1. were called*
- 2. how many times they were called*
- 3. what arguments they were called with*
- 4. define value that has to be returned*

```
describe('ItemCtrl with SpyReturn', function() {
  beforeEach(module('notesApp'));

  var ctrl, itemService;

  beforeEach(inject(function($controller, ItemService) {
    spyOn(ItemService, 'list')
      .and.returnValue([{id: 1, label: 'Mock'}]);
    itemService = ItemService;
    ctrl = $controller('ItemCtrl');
  }));

  it('should load mocked out items', function() {
    expect(itemService.list).toHaveBeenCalled();
    expect(itemService.list.calls.count()).toEqual(1);
    expect(ctrl.items).toEqual([{id: 1, label: 'Mock'}]);
  });
});
```

UNIT TESTING SERVER CALLS

init() function in controller

```
this.init = function() {  
    var self = this;  
    OnlineMortgage.get(function(obj) {  
        $scope.onlineMortgage = obj;  
        self.initMortgageAmount();  
    });  
};  
this.init();
```