

Testing AngularJS Services & \$http



beforeEach Setup

```
var myService;  
var $httpBackend;  
  
beforeEach(function () {  
    module('MyApp');  
  
    inject(function ($injector) {  
        myService = $injector.get('MyService');  
        $httpBackend =  
            $injector.get('$httpBackend');  
    });  
});
```

Inject the regular Angular
\$injector to retrieve service



Test Method

```
it('should return some data', function() {  
  $httpBackend.whenGET('http://...')  
    .respond(['val1', 'val2']);
```

Simulate
HTTP GET

```
myService.getItems().then(function(response) {  
  expect(response.data)  
    .toEqual(['val1', 'val2']);  
});
```

```
$httpBackend.flush();  
});
```



Summary

- ✧ To test Angular services:
 - Use mock inject method to inject the `$injector` service
 - Use `$injector.get("DeclaredServiceName")` to get service to test
 - If service doesn't make `$http` calls, just use call its methods and create expectations in the 'it' method
 - If service uses `$http`, retrieve `$httpBackend` service in `beforeEach`
 - In the "it" method, mock each network call with `$httpBackend.whenGet` or some similar method

