- JAVASCRIPT -

Тестирование проекта RequireJS. Mocha. Chai. Sinon

test/runner.html

```
<!DOCTYPE.html>
<html>
<head>
   <title>Mocha Tests</title>
   <link rel="stylesheet".href="../../node_modules/mocha/mocha.css">
</head>
<body>
<div.id="mocha"></div>
<script src="../../node modules/mocha/mocha.js"></script>
<script src="../../node_modules/sinon/pkg/sinon.js"></script>
<script src="../../node modules/chai/chai.js"></script>
<script>mocha.setup('bdd')</script>
<script.src="../lib/require.js".data-main="test.config.js"></script>
</body>
</html>
```

test/test.config.js

```
require.config({
    baseUrl: . ' . . / app',
    paths: {
   ......underscore: .../lib/underscore',
         firebase: .'https://www.gstatic.com/firebasejs/4.1.1/firebase
    .map: . { . . . }
}});
require([
    .'specs/testApp.js'
], function () . {
    if (window.mochaPhantomJS) . {
         mochaPhantomJS.run();
    else {
         mocha.run();
}}};
```

Тестируемый модуль

```
define(['fb', .'radio', .'modules/menu', .'modules/toDoList', .'modules/userSettings'],
    function (fb, radio, menu, toDo, settings) {
        return {
           init: function () {
                radio.on('fb/initialized', function (user) {
                   this.menu.init();
                   this.settings.init();
                   this.toDo.init(user);
                }.bind((menu: menu, settings: settings, toDo: toDo)));
                                                       define(['fb', 'radio', 'modules/menu', 'modules/toDoList', 'modules/userSettings']
               fb.init();
                                                           function (fb, radio, menu, toDo, settings) {
                                                      ]..... return {
                                                                    init: function () {
                                                                        radio.on('fb/initialized', this.initializeModules);
                                                                        fb.init();
                                                                    initializeModules: function (user) {
                                                                        menu.init();
                                                                        settings.init();
                                                                        toDo.init(user);
```

```
test/specs/testApp.js
```

```
describe('method: init', function () {
    it('should be a function', function () { ...});

    it('should call radio.on method to set up handler on fb/initialized event', function () {
        var radioOnSpy = sinon.spy(this.radio, 'on');

        module.init();

        sinon.assert.calledOnce(radioOnSpy);
        sinon.assert.calledWith(radioOnSpy, 'fb/initialized', module.initializeModules);
    });

    it('should call fb.init method for firebase initialization', function () { ... } );
}
```

Моки зависимостей

test/mocks/mockFb.js

```
define(function()){
....return()
....|...init:.function()){
.....};
....};
});
```

Gulp задачи

```
const.mochaPhantomJS = require('gulp-mocha-phantomjs');
```

```
*.Runs.tests
 *.Command.-.gulp.test
gulp.task('test', function () {
 ... return gulp
   ....src('app/js/test/runner.html')
    .pipe(mochaPhantomJS({
 .....reporter: 'spec',
     ....dump:'logs/tests'+.new.Date().valueOf().+'.log'
```

- JAVASCRIPT -

Тестирование проекта RequireJS. Mocha. Chai. Sinon