

Client-Side QA

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- Reasons & Strategy
- Emulators
- Tools
- Fibers
- Scopes & API Stubs

- Quality
- Cost of change
- Skeleton
- Features

- Selenium
- Phantom.js
- Zombie.js

JavaScript vs. Others

- Jasmine

- Mocha

& Node.js

Specifications

`browser.click('Save')`

`browser.should.have.text('Ok')`

...

1 - Evented code

```
browser.click('Save', function(){  
  browser.should.have.text('Ok')  
  ...  
})
```


Callback Hell

```
browser.click('a', function(){
  browser.should.have.text('A')
  browser.click('b', function(){
    browser.should.have.text('B')
    ...
  })
})
```

2 - When it's done?

```
browser.click('Save', function(){  
  browser.should.have.text('Ok')  
  ...  
})
```

Wait for

```
browser.click('Save')  
wait(function(){  
    browser.should.have.text('Ok')  
    ...  
})
```

Fibers (synchronize.js)

```
browser.click('Save')  
wait(function(){  
  browser.should.have.text('Ok')  
})  
...
```

CoffeeScript

browser.click 'Save'

wait -> browser.should.have.text('Ok')

...

Spec sample

describe 'My Application', ->

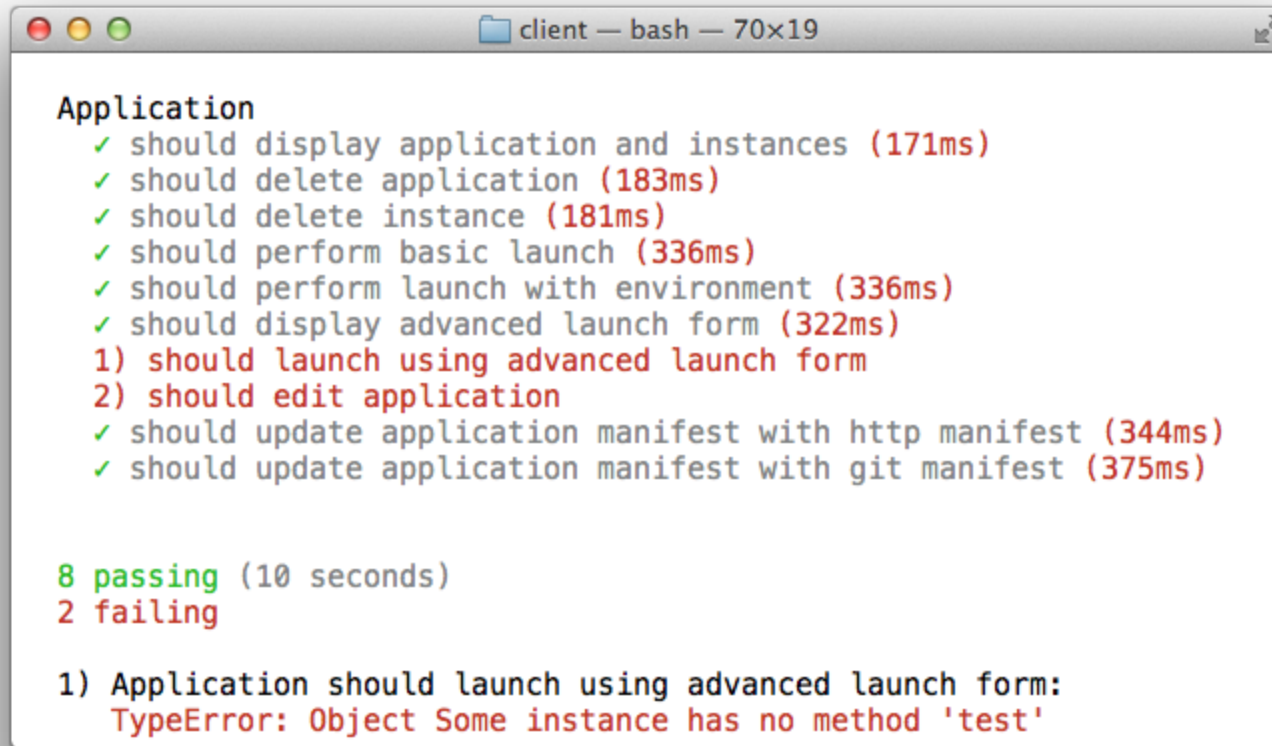
it 'should save', ->

browser.click 'Save'

wait -> browser.should.have.text 'Ok'

...

Screenshot



```
client — bash — 70x19

Application
✓ should display application and instances (171ms)
✓ should delete application (183ms)
✓ should delete instance (181ms)
✓ should perform basic launch (336ms)
✓ should perform launch with environment (336ms)
✓ should display advanced launch form (322ms)
1) should launch using advanced launch form
2) should edit application
✓ should update application manifest with http manifest (344ms)
✓ should update application manifest with git manifest (375ms)

8 passing (10 seconds)
2 failing

1) Application should launch using advanced launch form:
  TypeError: Object Some instance has no method 'test'
```

Thanks