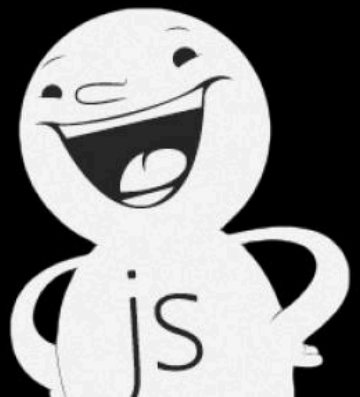
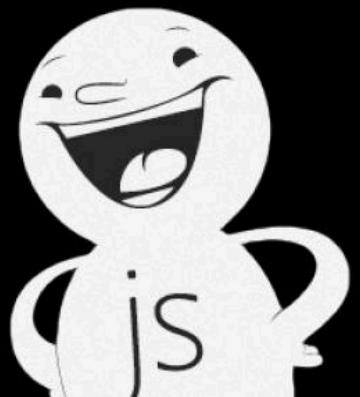
CasperJS

http://casperjs.org

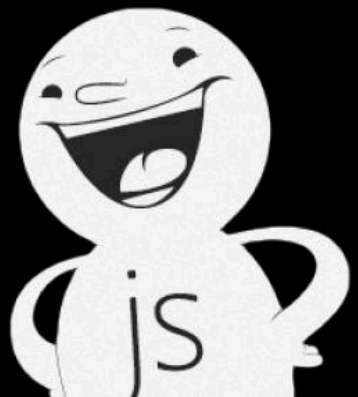


Navigation Scripting
&
Testing Utility



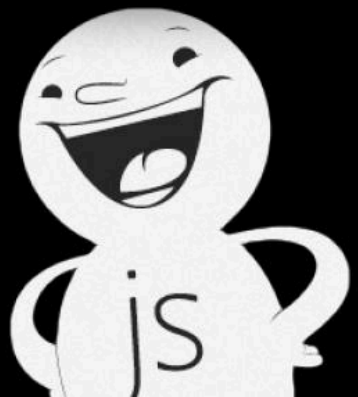
1. Default (zsh)

```
➜  example git:(master) ✗ casperjs task.js
✔ Entering css-tricks.com
✔ Collecting Recent Articles
✔ Dumping Articles

[
    "New Poll: How many people touch the CSS in your current main project?",
    "Poll Results: What one specific skill set are you most envious of?",
    "Sublime Text for Front End Developers",
    "A Few Things from Chrome Dev Summit 2014",
    "#134: A Tour of a Site In-Progress Built with Jekyll, Grunt, Sass, an SVG System, and More"
]
➜  example git:(master) ✗
```

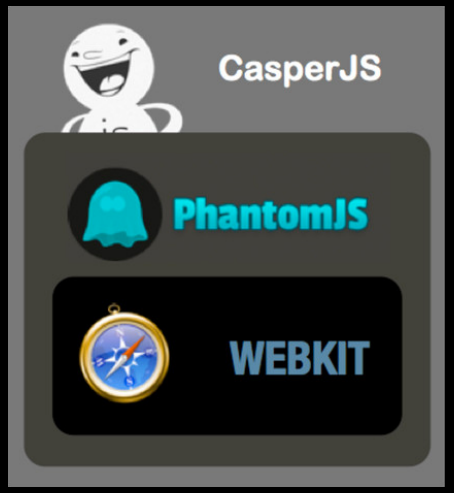


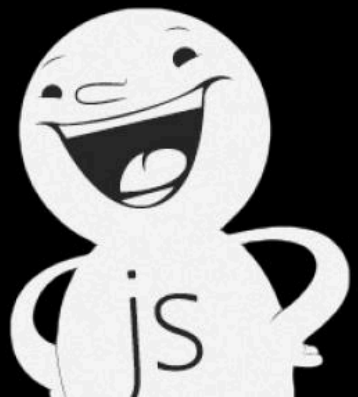
```
1. Default (zsh)
➜  example git:(master) ✗ casperjs task.js
✔ Entering css-tricks.com
✔ Collecting Recent Articles
✔ Dumping Articles

[
    "New Poll: How many people touch the CSS in your current main project?",
    "Poll Results: What one specific skill set are you most envious of?",
    "Sublime Text for Front End Developers",
    "A Few Things from Chrome Dev Summit 2014",
    "#134: A Tour of a Site In-Progress Built with Jekyll, Grunt, Sass, an SVG System, and More"
]
➜  example git:(master) ✗
```

```
1. Default (zsh)
➜  example git:(master) ✗ casperjs test google.js
Test file: google.js
# Google search retrieves 10 or more results
PASS main form is found
PASS search term has been submitted
PASS google search for "casperjs" retrieves 10 or more results
PASS 3 tests executed in 3.605s, 3 passed, 0 failed, 0 dubious, 0 skipped.
➜  example git:(master) ✗
```



Headless Browser
Based on WebKit
Controllable via command line
Full JavaScript API

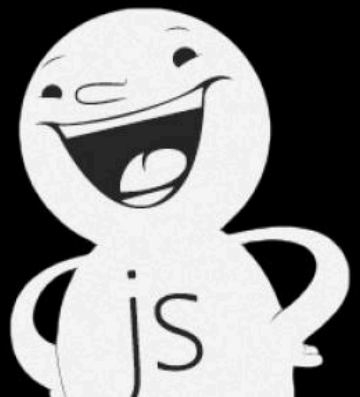




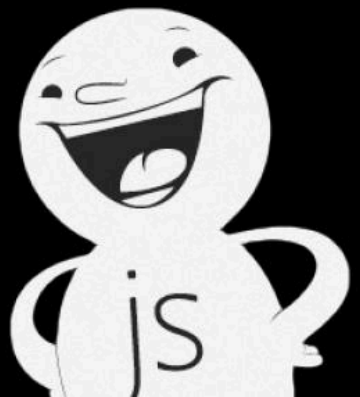
Testing

Assertions

Helper Functions

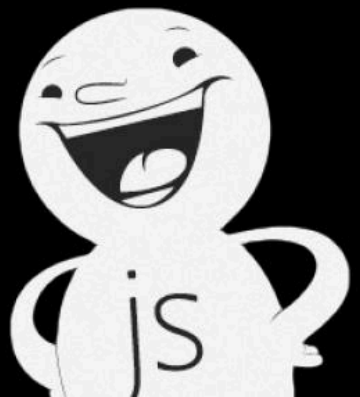


Testing



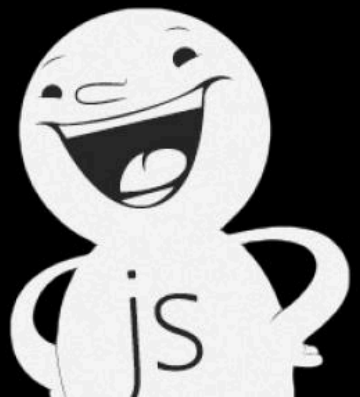
Testing

test.assertExists(...)



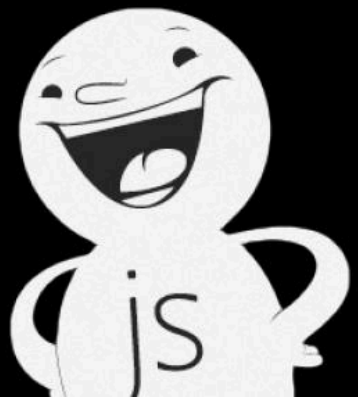
Testing

test.assertExists(...)
test.assertElementCount(...)



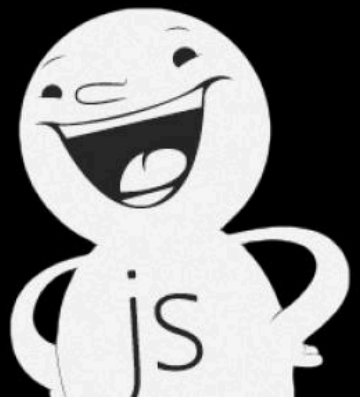
Testing

test.assertExists(…)
test.assertElementCount(…)
test.assertHttpStatus(…)



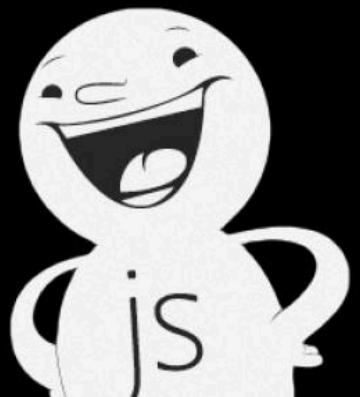
Testing

test.assertExists(...)
test.assertElementCount(...)
test.assertHttpStatus(...)
test.assertTextExists(...)



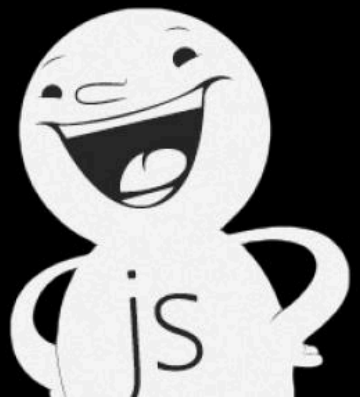
Testing

test.assertExists(...)
test.assertElementCount(...)
test.assertHttpStatus(...)
test.assertTextExists(...)
test.assertTitle(...)



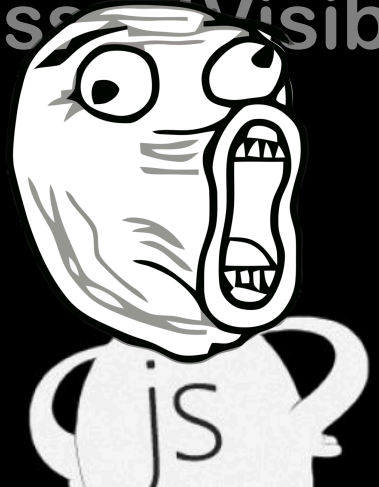
Testing

test.assertExists(...)
test.assertElementCount(...)
test.assertHttpStatus(...)
test.assertTextExists(...)
test.assertTitle(...)
test.assertVisible(...)



Testing

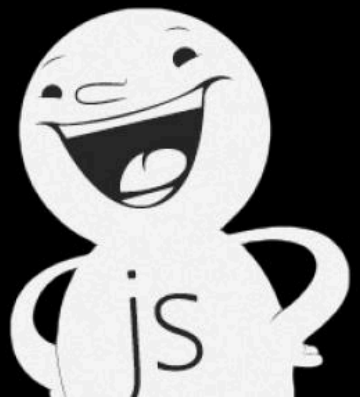
test.assertExists(...)
test.assertElementCount(...)
test.assertHttpStatus(...)
test.assertTextExists(...)
test.assertTitle(...)
test.assertVisible(...)



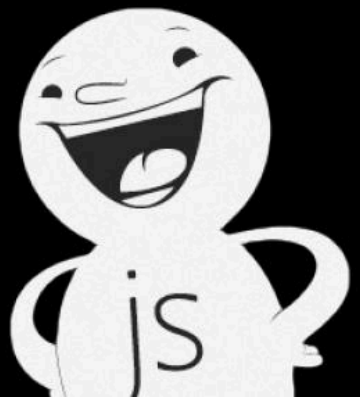
Navigating

Step-by-step process

Predefined Helpers

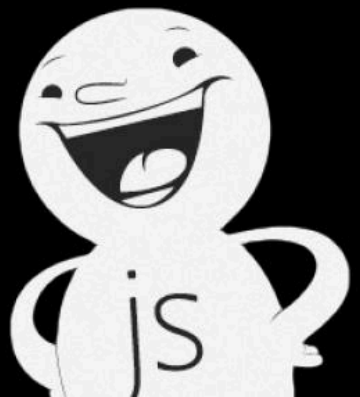


Navigating



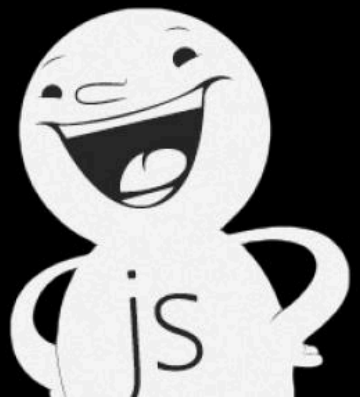
Navigating

casper.open(...)



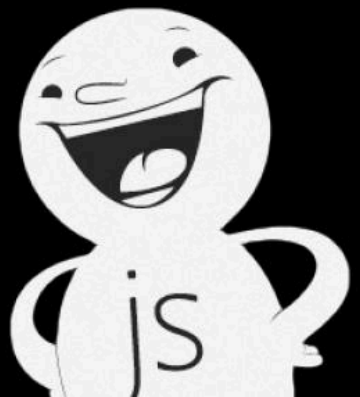
Navigating

casper.open(...)
casper.then(...)



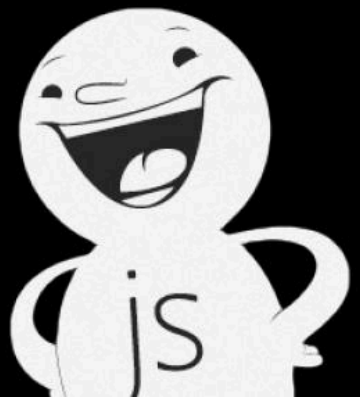
Navigating

casper.open(...)
casper.then(...)
casper.thenOpen(...)



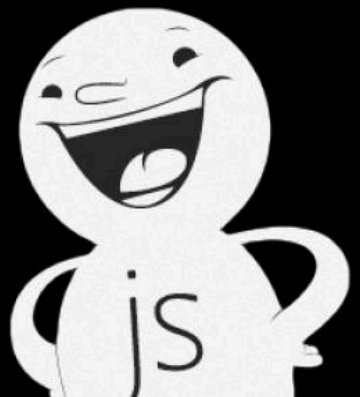
Navigating

casper.open(...)
casper.then(...)
casper.thenOpen(...)
casper.thenClick(...)



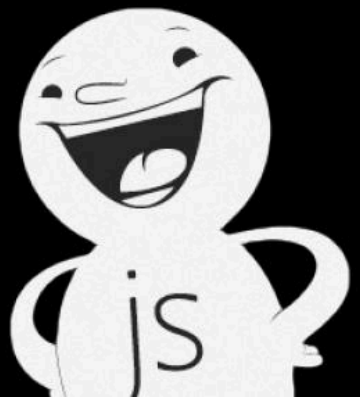
Navigating

casper.open(...)
casper.then(...)
casper.thenOpen(...)
casper.thenClick(...)
casper.fill(...)



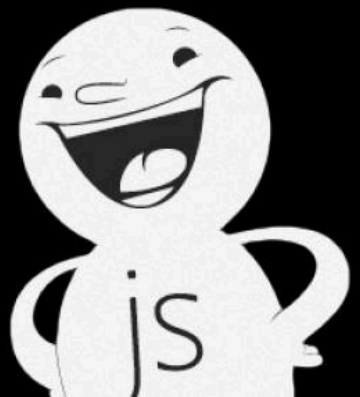
Navigating

casper.open(...)
casper.then(...)
casper.thenOpen(...)
casper.thenClick(...)
casper.fill(...)
casper.waitForSelector(...)



Navigating

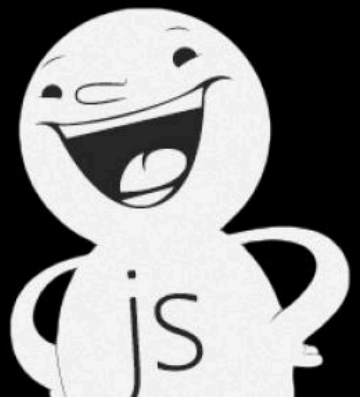
casper.open(...)
casper.then(...)
casper.thenOpen(...)
casper.thenClick(...)
casper.fill(...)
casper.waitForSelector(...)
casper.thenEvaluate(...)



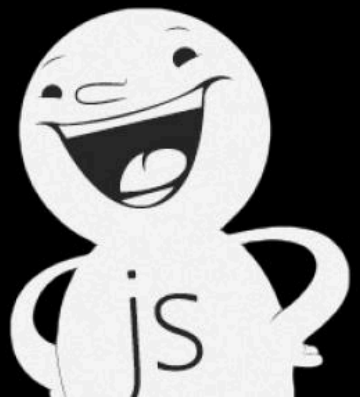
Navigating

casper.open(...)
casper.then(...)
casper.th(..
casper.th(...)
per.
er.waitForSelector(...)
per.th Evaluate(...)
JS

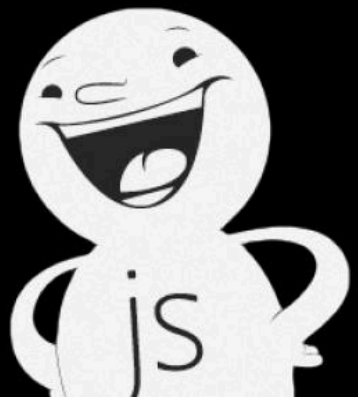
Demo



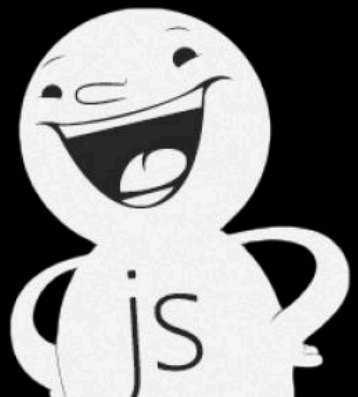
```
var casper = require('casper').create()
```



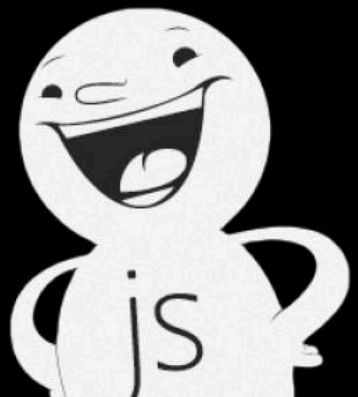
```
casper.start('http://css-tricks.com/')
```



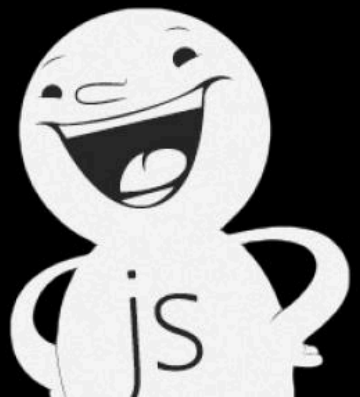
casper.then(...)



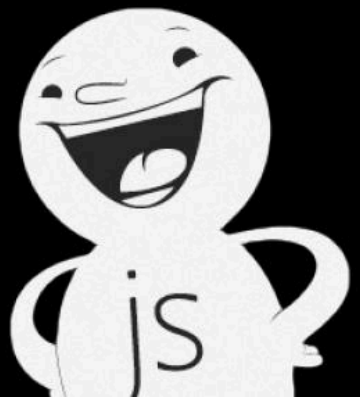
```
casper.then(function () {

})
```



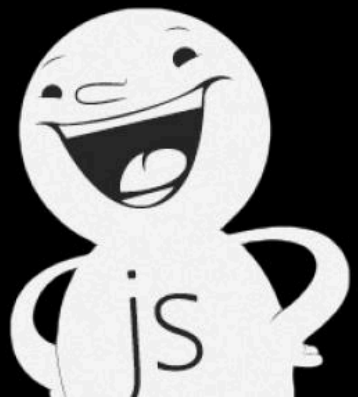
```
casper.then(function () {
  this.echo(...)
})
```



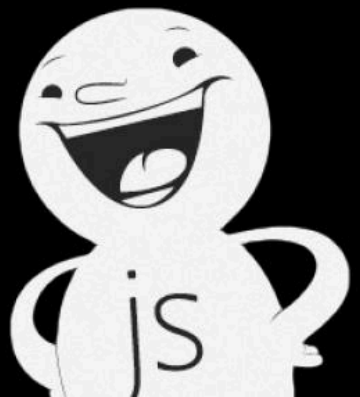
```
casper.then(function () {
  this.echo( this.getTitle() )
})
```



```
casper.run()
```

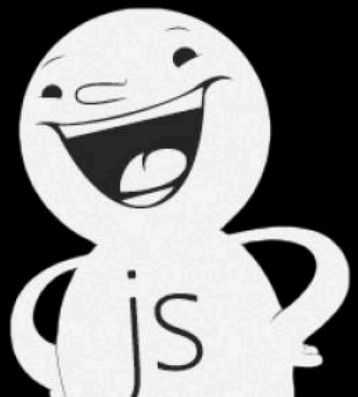


> casperjs browse.js

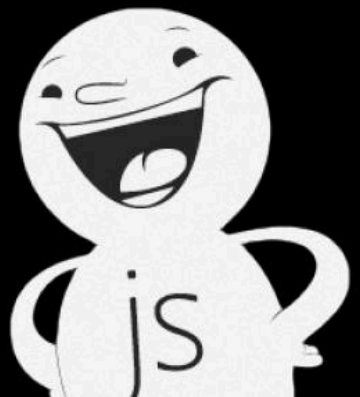


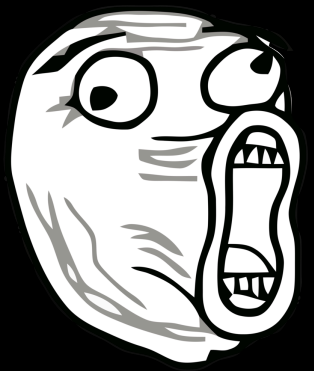
> casperjs browse.js

CSS-Tricks



Done!





bit.ly/casper-lol