

List of common use testing tools

Bad Testing Practice

- <http://www.objc.io/issue-15/bad-testing-practices.html>

Glossary

Method Stub	http://en.wikipedia.org/wiki/Method_stub	
Mock Object	http://en.wikipedia.org/wiki/Mock_object	e.g. database
Test Double	http://en.wikipedia.org/wiki/Test_double	e.g. simplify the complexity of external function

node.js TDD

<https://blog.risingstack.com/getting-node-js-testing-and-tdd-right-node-js-at-scale/>

Node modules (via command “npm install -g module-name”)

- Test Runner: [Mocha](#)
- Assertions: [Chai](#)
 - Read the [Expect](#) guide
- Stubs/Mocks: [Sinon JS](#)
- Utilities:
 - [Sinon-Chai](#)
 - [Chai-As-Promised](#)

Setup

Edit project package.json

```
"devDependencies": {  
  "mocha": "*",  
  "chai": "*",  
  "sinon": "*",  
  "sinon-chai": "*",  
  "chai-as-promised": "*"   
}
```

Install the plugins

```
# npm install
```

Frontend Testing

- Chrome Developer Tools
- [Mocha](#)

Cucumber BDD test

- [Cucumber](#)

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