

# List of common use testing tools

## Bad Testing Practice

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

## Glossary

<b>Method Stub</b>	<a href="http://en.wikipedia.org/wiki/Method_stub">http://en.wikipedia.org/wiki/Method_stub</a>	
<b>Mock Object</b>	<a href="http://en.wikipedia.org/wiki/Mock_object">http://en.wikipedia.org/wiki/Mock_object</a>	e.g. database
<b>Test Double</b>	<a href="http://en.wikipedia.org/wiki/Test_double">http://en.wikipedia.org/wiki/Test_double</a>	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](#)

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