

WEB TOOLS OVERLOAD

Am I required to gulp and grunt in my bower while drinking mocha to do web development?



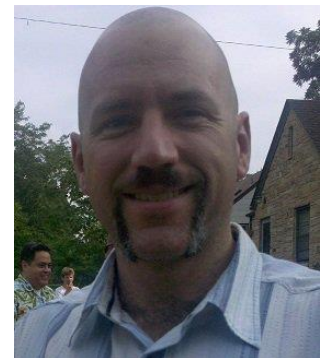
Matt Milner

MATT MILNER

- Independent Consultant
- Pluralsight Author



PLURALSIGHT



@milnertweet

<http://mattmilner.com>



TITANIUM SPONSORS



Platinum Sponsors



Gold Sponsors



WHAT THE WHAT?

- Get you “in the know” about available useful tools
- Not here to teach all these tools
- What types of tools are developers using
- How can they work together
- How does this help you work smarter



EDITORS

What's important

- Tool integration
 - Source Control
 - Linters, task runners, etc.
 - Integrated terminal / console
- Customization (key bindings e.g.)
- Editing
 - Code completion
 - Syntax highlighting
- Debugging

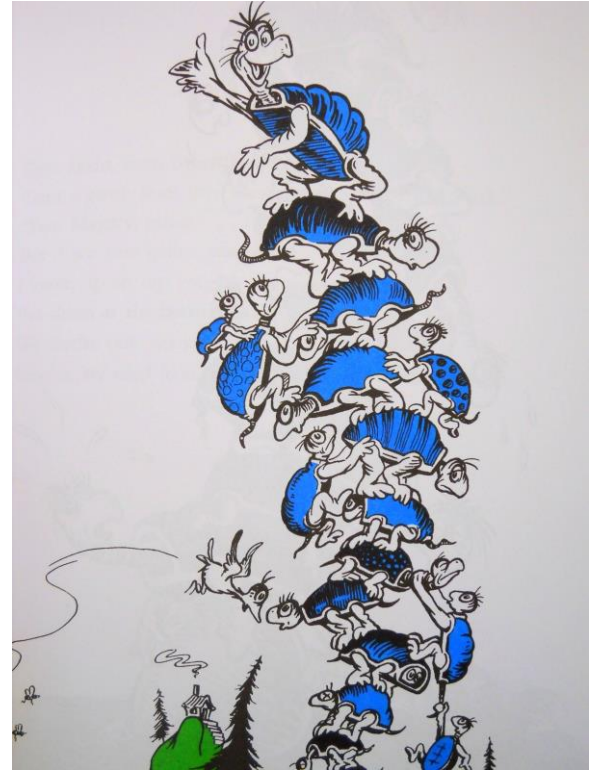
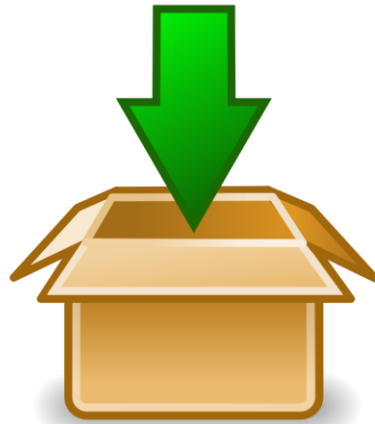
Examples

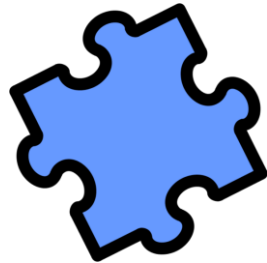
- Atom
 - <http://atom.io/>
- Webstorm
 - <http://www.jetbrains.com/webstorm>
- Sublime Text
 - <http://sublimetext.com>
- Visual Studio Code
 - <http://code.visualstudio.com>



PACKAGE MANAGERS

- NuGet
- NPM
- Bower
- JSPM





MODULES

- CommonJS
- AMD
- RequireJS
- JSPM
- WebPack



LINTERS



;

,



IT'S TIME TO PLAY ...

SPOT

BAD

CODE



```
function foo (done) {  
  
    var x,y;;  
    x = 10;  
    y=20;  
  
    if(x > y) {  
        console.log('winner');  
        done(true)  
    }  
    else {  
        done(false);  
    }  
}
```



CODE QUALITY — LINTERS

Important features

- Configurable
- Extendable
- Performance
- Integration into developer workflow
- Support for your JS choices

Examples

- JSLint – <http://jshint.com/>
- JSHint – <http://jshint.com/>
- ESLint – <http://eslint.org/>



CODE QUALITY - TESTING

Mocha

- Run tests in browser or local
- Sync/Async
- Use chai for assertions
- Use SinonJS for stubs/mocks

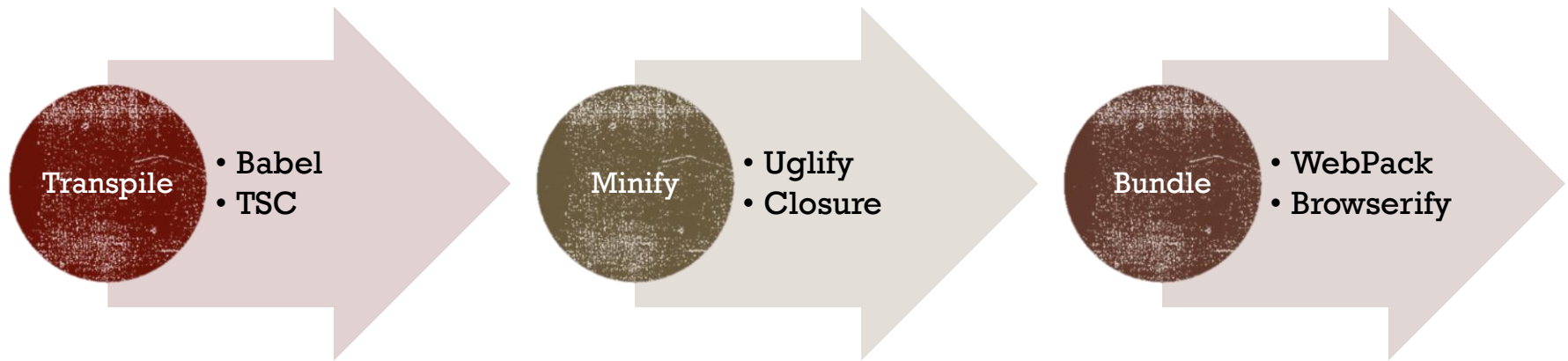
Jasmine

- Run tests in browser or local
- Sync / Async
- Built in assertions
- Built in spies

Karma (Test Runner) - [karma-runner.github.io](https://github.com/karma-runner/karma)



CODE PREP AND PACKAGING

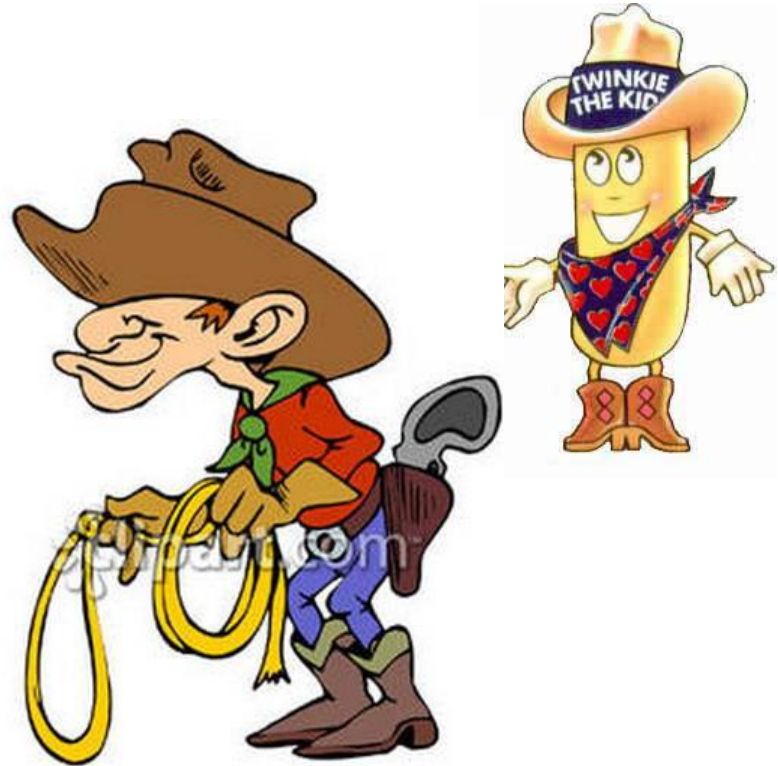


TASK RUNNERS

Grunt

Gulp

But wait – NPM?



CODE MONITORING

{Track:js}

[Tour](#)

[Pricing](#)

[Log In](#)

[Sign Up](#)

Track Better Errors. Actually Fix Bugs.

TrackJS monitors your production JavaScript web application. Know when your users run into errors and fix bugs before they report them. TrackJS supports all modern browsers and JavaScript frameworks.





DO I HAVE TO USE THESE TOOLS?

- Use what works
- Don't use tools that don't add value
- Watch what others use and consider why



WHAT DID I MISS

