



YEOMAN chrome extension

YEOMAN WITH CHROME EXTENSIONS GENERATOR



PROFILE



- +ragingwind
- GDG Korea Chrome
- MOONANDYOU
- Yeoman Contributor, Chrome Generator Maintainer



YEOMAN

**MODERN WORKFLOWS FOR MODERN WEBAPPS
AUTOMATE AS MUCH OF YOUR WORKFLOW AS POSSIBLE**



YEOMAN CREATORS



Addy Osmani



Paul Irish



Sindre Sorhus

THE NEW WAVE UTILITY BELT



Addy Osmani, Google.

FRONT-END TOOLING LANDSCAPE

Boilerplate	Abstractions	Frameworks	Workflow	Performance	Build
HTML5 (HBP5)	CoffeeScript	Backbone	Chrome DevTools	JavaScript CSS	Grunt, Rake
Twitter Bootstrap	Sass, Less	Angular, Ember	LiveReload	Heap Profiling	Maven
Backbone Boilerplate	Compass, Jade	YUI, Agility	CodeKit	GPU, memory tracing	Concat, r.js
Angular Seed	Haml, Zen coding	CanJS, Dojo	Brunch	PageSpeed	Minification
Ember Starter	Markdown	Meteor, Derby	WebStorm IDE		Image optimization,
Module-loader	Handlebars	Spine, Batman	watch, Tesling		Compression
Zurb Foundation	Iced Coffee	Cujo, Knockout	Tincr, JSHint		Module loading
	TypeScript	Knockback	BrowserStack		mode_pages peed
	Traceur	jQuery Mobile	Selenium		
		jQuery UI	WebGL Inspector		
		Closure, ExtJS			
		flight			

FRONT-END TOOLING LANDSCAPE

MODERN WEBAPP WORKFLOW

- Scaffolds

```
open_site().find().download().move(['boilerplates', 'libraries']);
config(['pacakge.json', '.editorconfig', '.jshintrc', 'Gruntfile']);
```

- Dive into Code

```
_.loop( function(){
  out_of_date && open_site().find().download().move(['libraries']);
  (sass && compass) && watch();
  coffee ? coffee().compile() : coding().linting();
  livereload || find_and_switch_browser().reload_by_my_hand();
  debugging().tuning();
}, time_to_go_home());
```

- Build

```
linting().compile().min().uglify().optimize().package().dist();
```

**SO MUCH CHOICE! YOU WANT FLEXIBILITY.
HOW COULD WE MAKE THIS ANY EASIER?**

+Addy Osmani

YEOMAN TOOLSET



YO



GRUNT



BOWER

YEOMAN FEATURES

- 1.0.0-beta.3 Released
- Scaffolding
- Build Process
- Auto-Compile (CoffeeScript)
- Auto-Lint
- Built-in Preview Server
- Image Optimization
- Package Management
- PhantomJS Unit Testing

YOEMAN WORKFLOW - YO



- Scaffolding Tool - Create a new webapp

```
# defualt generator
yo webapp

# angular generator
yo angular
yo angular:controller myController
yo angular:directive myDirective
yo angular:filter myFilter

# chromes apps generator
yo chromeapp
yo chrome-extentions
```

BOWER



BOWER

- Dependency Management - Handle dependencies

```
#search  
bower search backbone  
  
# install one or more dependencies  
bower install backbone.layoutmanager  
  
# list installed dependencies.  
bower list  
  
# update to the latest version available  
bower update lodash
```

GRUNT.JS



- Build Tool - Preview, test, build, package
- Task based command line build tool

```
# build an optimized, production-ready version
grunt

# preview your app (Livereload)
grunt server

# run the unit tests for an app
grunt test
```

DEFAULT WEBAPP WORKFLOW WITH YEOMAN

```
# scaffolds
yo webapp

# install default dependencies
npm install && bower install

# install a dependency for your project from Bower
bower install jquery

# test and preview your app
grunt test
grunt server

# build the application for deployment
grunt
```



chrome extension

CHROME EXTENSION GENERATOR FOR YEOMAN

- Yeoman Official Generator
- Scaffolds new extension, build and compress

CHROME EXTENSION WORKFLOW

- Scaffolds

```
var manifest = {
  name: 'my prototype extension',
  assets: [ 'icon16,19,38,128', 'popup.html',
            'option.html', 'main.css' ],
  scripts: [ 'background', 'contentscript' ],
  lib: [ 'boilerplates', 'libraries' ]
};
write(manifest);
prev ? copy(manifest) : make(manifest);
});
```

- Dive into Code
- Build & Publish

```
compile().concat().optimize().COMPRESS().publish();
```

CHROME EXTENSION WORKFLOW WITH YEOMAN

```
# install with official package
npm install generator-chrome-extension
# install with preview version, via github repo
npm install 'git://github.com/ragingwind/generator-chrome-extension.git'

# scaffolds, generate menifest.json, default script/html/assets
yo chrome-extension

# install default dependencies
npm install && bower install

# test, build and compress
grunt jshint && grunt test
grunt
```

CHOME EXTENSIONS

alarms | **bookmarks** | **browserAction** | **browsingData** |
commands | **contentSettings** | **contextMenus** | **cookies** |
debugger | **declarativeWebRequest** | **devtools** |
downloads | **events** | **extension** | **fileBrowserHandler** |
fontSettings | **history** | **i18n** | **idle** | **input.ime** |
management | **omnibox** | **pageAction** | **pageCapture** |
permissions | **privacy** | **proxy** | **pushMessaging** | **runtime** |
scriptBadge | **storage** | **tabCapture** | **tabs** | **topSites** | **tts** |
ttsEngine | **types** | **webNavigation** | **webRequest** |
webstore | **webkitNotifications** | **windows**

DEMO - PAGE ACTION

- Review Webtoon with Google+ Moment



```
yo chrome-extension

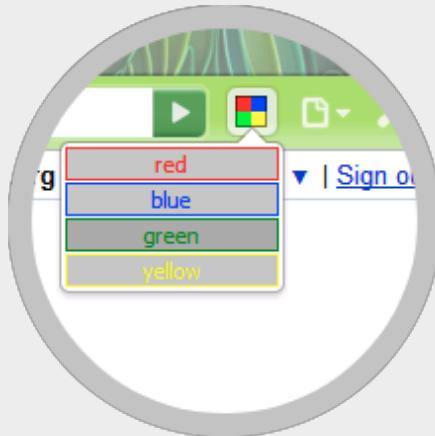
# interacting with options
Would you like to use UI Action(1: Browser, 2:Page)? 2
Would you like to use the Options Page? (y/N) y
Would you like to use the Content Scripts? (y/N) y
Would you like to declare the "Tabs" permission? (y/N) y

# install default dependencies
npm install && bower install
bower insall jquery && bower insall oauth2-extensions-fo
r-test

# test, lint and build
grunt jshint && grunt test
grunt
```

DEMO - BROWSE ACTION

- Visit Count (History)



```
yo chrome-extension

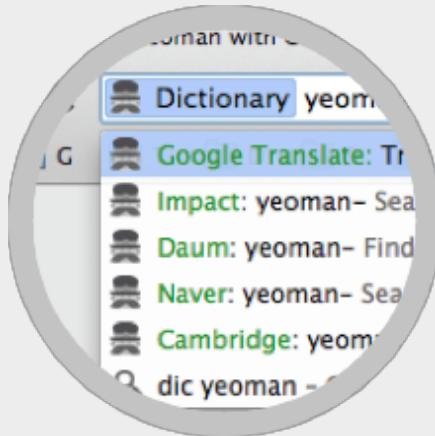
# interacting with options
Would you like to use UI Action(1: Browser, 2:Page)?
1
Would you like to declare the "Tabs" permission? (y/N)
) y
Would you like to declare the "History" permission? (
y/N) y

# install default dependencies
npm install && bower install
bower insall jquery

# test, lint and build
grunt jshint && grunt test
grunt
```

DEMO - OMNIBOX

- Omnibox Dictionary



```
yo chrome-extension

# interacting with options
Would you like to use UI Action(1: Browser, 2:Page)? 0
Would you like to use the Omnibox? (Please input keyword) dic

# install default dependencies
npm install && bower install

# test, lint and build
grunt jshint && grunt test
grunt
```

PUBLISHING YOUR APP



THANK YOU