

## USE A GENERATOR TO SCAFFOLD OUT YOUR APP

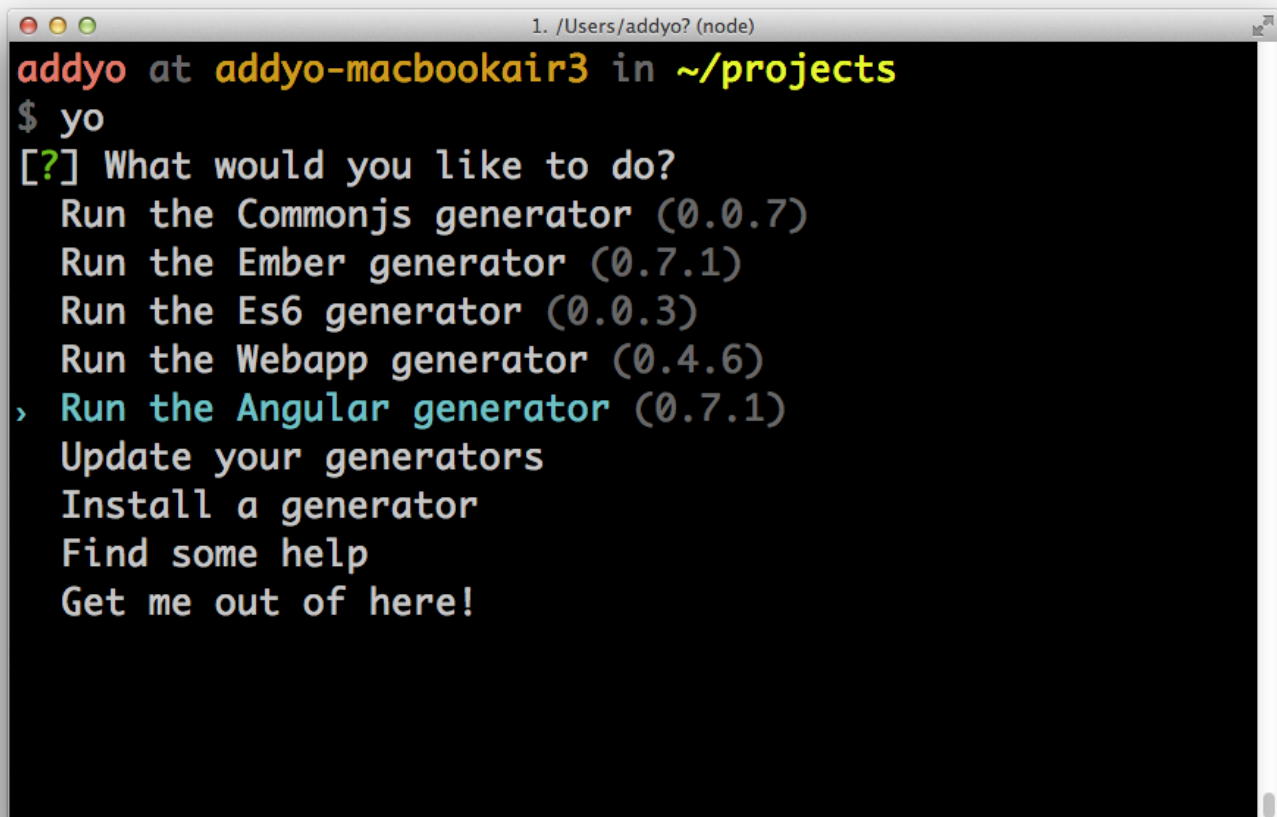
We've used the word "scaffold" a few times but you might not know what that means. Scaffolding, in the Yeoman sense of the word, means generating files for your web app based on your specific configuration requests. In this step, you'll see how Yeoman can generate files specifically for Angular apps — with options for using other external libraries like SASS and Twitter Bootstrap — with minimal effort.

## ACCESS GENERATORS VIA THE YEOMAN MENU

Once a generator has been installed it can be accessed via the Yeoman interactive menu:

```
$ yo
```

If you have a few generators installed, you'll be able to interactively choose from them:

A terminal window with a dark background and light-colored text. The window title is "1. /Users/addyo? (node)". The prompt is "addyo at addyo-macbookair3 in ~/projects". The user has entered "\$ yo". The terminal displays a menu titled "[?] What would you like to do?". The menu options are: "Run the Commonjs generator (0.0.7)", "Run the Ember generator (0.7.1)", "Run the Es6 generator (0.0.3)", "Run the Webapp generator (0.4.6)", "Run the Angular generator (0.7.1)", "Update your generators", "Install a generator", "Find some help", and "Get me out of here!". The "Run the Angular generator (0.7.1)" option is highlighted with a green cursor.

```
1. /Users/addyo? (node)
addyo at addyo-macbookair3 in ~/projects
$ yo
[?] What would you like to do?
  Run the Commonjs generator (0.0.7)
  Run the Ember generator (0.7.1)
  Run the Es6 generator (0.0.3)
  Run the Webapp generator (0.4.6)
, Run the Angular generator (0.7.1)
  Update your generators
  Install a generator
  Find some help
  Get me out of here!
```

### BUT WAIT!

Don't run a generator in any old place on your computer. First, make a project directory where the generator will place your scaffolded project files.

Highlight **Get me out of here!** to exit the menu.

## CREATE A PROJECT FOLDER

Create a *mytodo* folder for all your codelab work:

```
$ mkdir mytodo
```

```
$ cd mytodo
```

## SCAFFOLD OUT YOUR ANGULAR APP

Now run `yo` again to see your generators:

```
$ yo
```

Highlight **Run the Angular generator**. Hit **enter** to run the generator.

## USE GENERATORS DIRECTLY

As you become more familiar with `yo`, you can run generators directly without the use of the interactive menu, like so:

```
$ yo angular
```

## CONFIGURE YOUR GENERATOR

Some generators will also provide optional settings to customize your app with common developer libraries to speed up the initial setup of your development environment.

The AngularJS generator provides options to use **Sass** (with **Compass**) and include **Twitter Bootstrap**. For this codelab, we **won't** use Sass but **will** use Bootstrap. Enter `n` then `y` respectively to these options.

```
1. /Users/addyo? (node)
$ yo angular

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  |   ~   |
  |  . _ .  |
  |  | _ Y  |
  |         |

Welcome to Yeoman,
ladies and gentlemen!

Out of the box I include Bootstrap and some AngularJS recommended modules.

[?] Would you like to use Sass (with Compass)? No
[?] Would you like to include Twitter Bootstrap? (Y/n) y
```

Next, you are prompted to select what Angular modules you would like to include as well:



```
1. /Users/addyo? (bash)
+-- minimatch@0.2.14 (sigmund@1.0.0, lru-cache@2.5.0)
+-- lodash@1.1.1
+-- log4js@0.6.9 (semver@1.1.4, readable-stream@1.0.24, async@0.1.15)
+-- coffee-script@1.6.3
+-- http-proxy@0.10.4 (pkginfo@0.3.0, optimist@0.6.0, utile@0.2.1)
+-- connect@2.8.8 (methods@0.0.1, uid2@0.0.2, pause@0.0.1, cookie-signature@1.0.1, fresh@0.2.0, debug@0.7.4, qs@0.6.5, bytes@0.2.0, buffer-crc32@0.2.1, cookie@0.1.0, send@0.1.4, formidable@1.0.14)
+-- useragent@2.0.7 (lru-cache@2.2.4)
+-- chokidar@0.8.1
+-- socket.io@0.9.16 (policyfile@0.0.4, base64id@0.1.0, redis@0.7.3, socket.io-client@0.9.16)

karma-ng-html2js-preprocessor@0.1.0 node_modules/karma-ng-html2js-preprocessor
addyo at addyo-macbookair3 in ~/projects/mytodo
$
```

Yeoman will automatically scaffold out your app, grab your dependencies, and pull in a few useful Grunt tasks for your workflow. After a few minutes we should be ready to go onto the next step.

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209



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