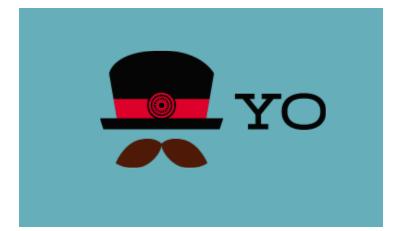
## **Code Generation**



Mark Scott
@tripletdad99 | markjs.us

Yeoman Project



**Sub-Generators** 

Demo

## What is Yeoman?



Web Application Scaffolding Tool / Generator



Package Manager

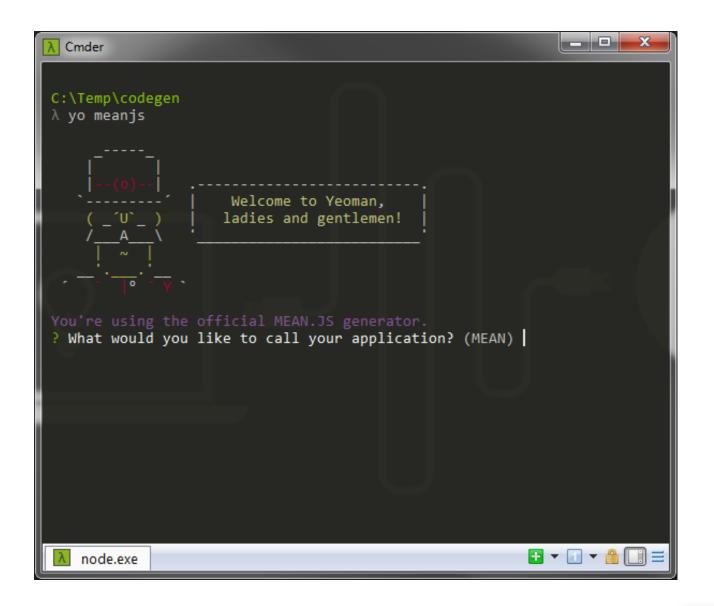


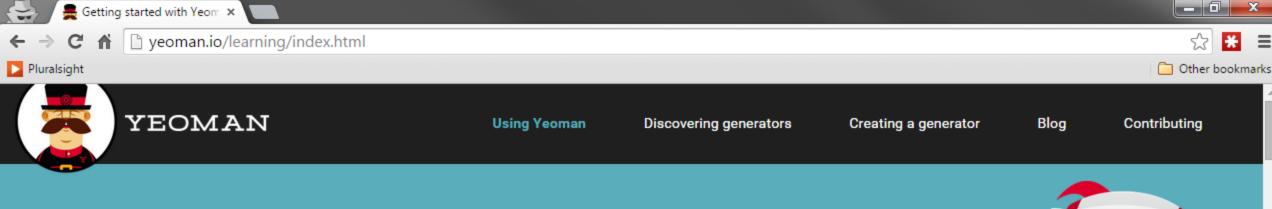
Build System / Task Runner











#### GETTING STARTED WITH YEOMAN



Getting started
Tutorial (codelab)
Resources
Deployment
FAQ
Support

The Yeoman workflow is comprised of three core tools for improving your productivity and satisfaction when building a web app. These tools are:

- yo the scaffolding tool from Yeoman
- bower the package management tool
- · A build tool, such as Grunt or Gulp.

Each of these projects are independently maintained by their respective communities, but work well together as a part of a prescriptive workflow for keeping you effective. Let's walk through what these binaries can do.

create a new webapp

handle dependencies

preview, test, build

## **Sub-Generators Provided**

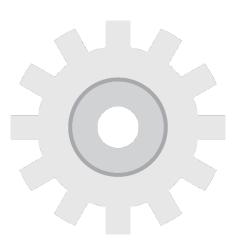
**CRUD Modules** 



**AngularJS Modules** 

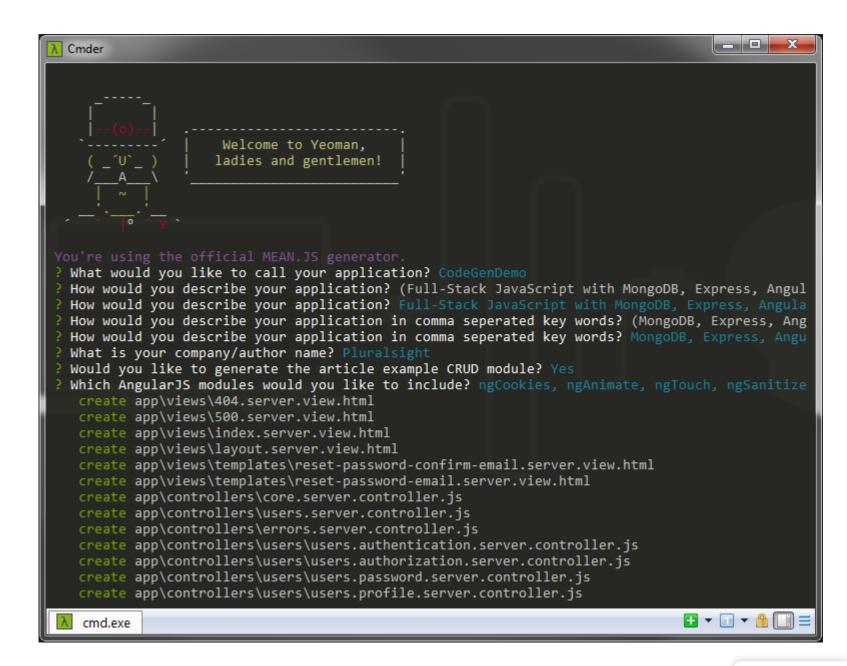


**Express Modules** 



#### **CRUD Module**





#### **CRUD Module**

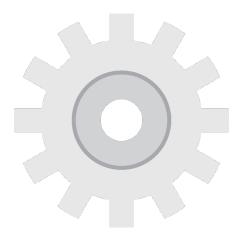


yo meanjs:crud-module <module-name>

yo meanjs:crud-module customer

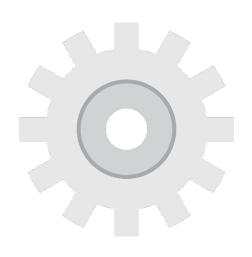
https://github.com/meanjs/generator-meanjs/tree/master/crud-module

#### **Express Controller**



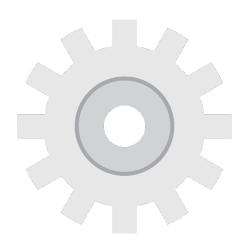
```
Cmder
   create .editorconfig
   create .jshintrc
   create .gitignore
   create .slugignore
   create .travis.yml
   create app\controllers\articles.server.controller.js
   create app\models\article.server.model.js
   create app\routes\articles.server.routes.js
   create app\tests\article.server.model.test.js
   create app\tests\article.server.routes.test.js
   create public\modules\articles\articles.client.module.js
   create public\modules\articles\config\articles.client.config.js
   create public\modules\articles\config\articles.client.routes.js
   create public\modules\articles\controllers\articles.client.controller.js
   create public\modules\articles\services\articles.client.service.js
   create public\modules\articles\tests\articles.client.controller.test.js
   create public\modules\articles\views\create-article.client.view.html
   create public\modules\articles\views\edit-article.client.view.html
   create public\modules\articles\views\list-articles.client.view.html
   create public\modules\articles\views\view-article.client.view.html
   create config\env\all.js
   create config\env\development.js
   create config\env\production.js
   create config\env\test.js
   create config\env\secure.js
   create public\config.js
   create public\modules\core\views\header.client.view.html
   create package.json
   create bower.json
npm WARN package.json codegendemo@0.0.1 No repository field.
npm WARN excluding symbolic link build\defs-config.json -> ../defs-config.json
npm WARN optional dep failed, continuing fsevents@0.3.5
                                                                               🕂 🔻 📶 🔻 🖺 🔲
   node.exe
```

#### **Express Controller**



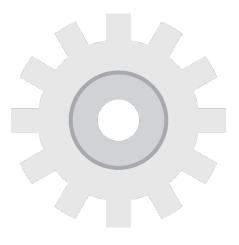
yo meanjs:express-controller <ctrl-name>

### **Express Model**



yo meanjs:express-model <model-name>

#### **Express Route**



```
is articles.server.routes.js ×
    var users = require('../../app/controllers/users.server.controller'),
        articles = require('../../app/controllers/articles.server.controller');
    module.exports = function(app) {
        app.route('/articles')
             .get(articles.list)
             .post(users.requiresLogin, articles.create);
        app.route('/articles/:articleId')
             .get(articles.read)
             .put(users.requiresLogin, articles.hasAuthorization, articles.update)
             .delete(users.requiresLogin, articles.hasAuthorization, articles.delete)
        app.param('articleId', articles.articleByID);
```

yo meanjs:express-route <route-name>

#### AngularJS Sub-Generators



Module

Route

Controller

View

Service

Directive

Filter

Configurations

**Tests** 

#### AngularJS Sub-Generators



```
_ O X
Cmder
 create app\tests\article.server.routes.test.js
 create public\modules\articles\articles.client.module.js
 create public\modules\articles\config\articles.client.config.js
 create public\modules\articles\config\articles.client.routes.js
 create public\modules\articles\controllers\articles.client.controller.js
 create public\modules\articles\services\articles.client.service.js
 create public\modules\articles\tests\articles.client.controller.test.js
 create public\modules\articles\views\create-article.client.view.html
 create public\modules\articles\views\edit-article.client.view.html
 create public\modules\articles\views\list-articles.client.view.html
 create public\modules\articles\views\view-article.client.view.html
 create config\env\all.js
 create config\env\development.js
 create config\env\production.js
 create config\env\test.js
 create config\env\secure.js
 create public\config.js
 create public\modules\core\views\header.client.view.html
 create package.json
 create bower.json
                                                                            1 ▼ 1 ▼ 1 ■
 cmd.exe
```

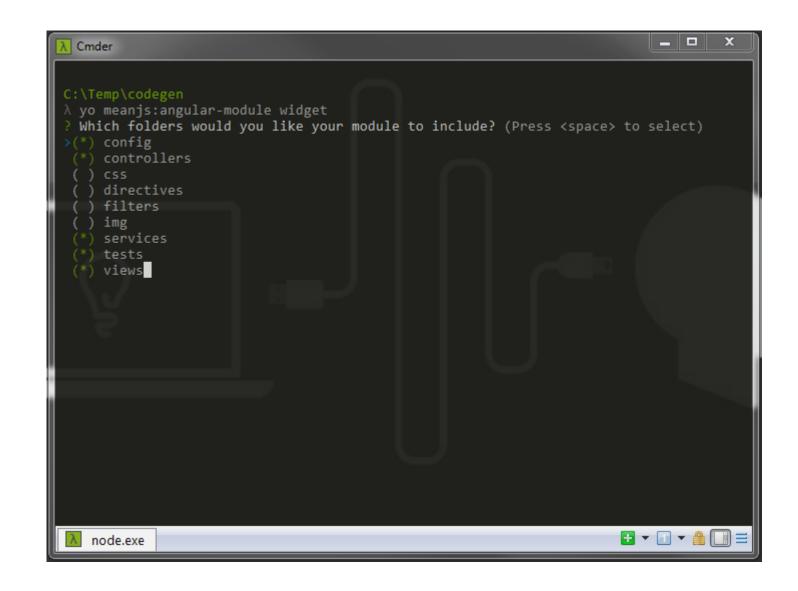
#### AngularJS Module



yo meanjs:angular-module <module-name>

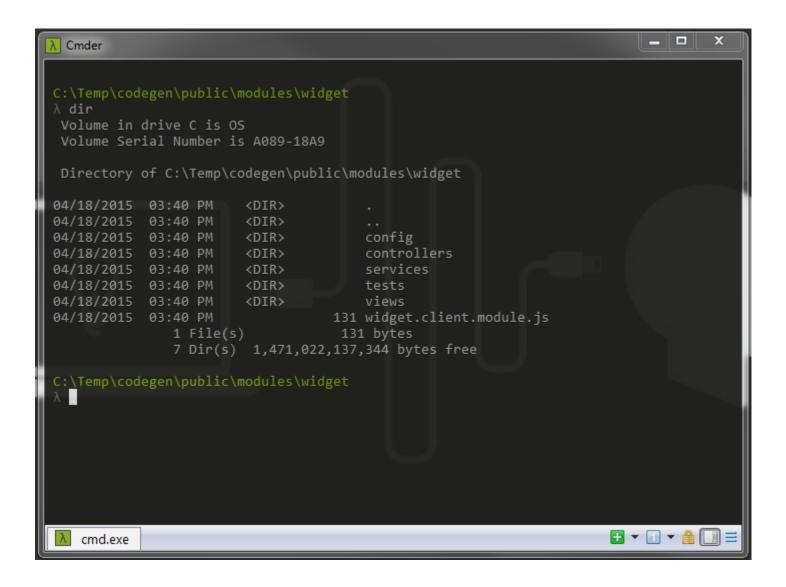
#### AngularJS Module





#### AngularJS Module





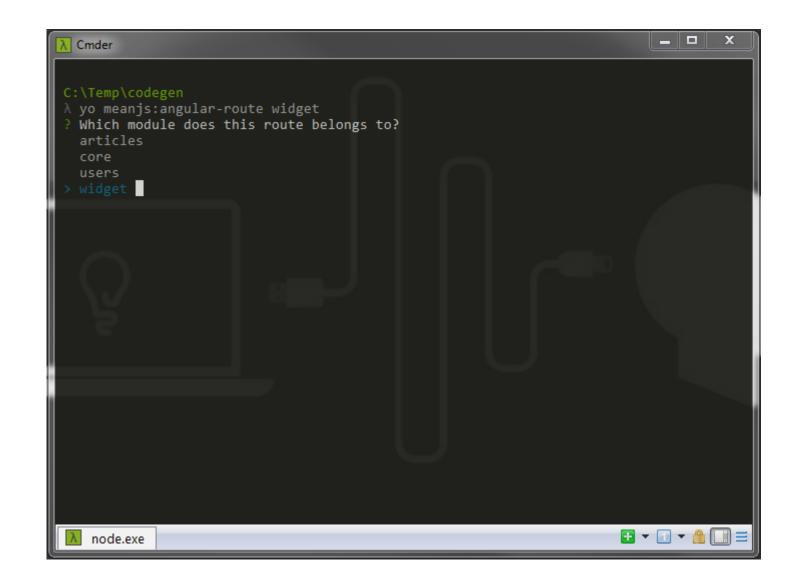
#### **AngularJS Route**



yo meanjs:angular-route <route-name>

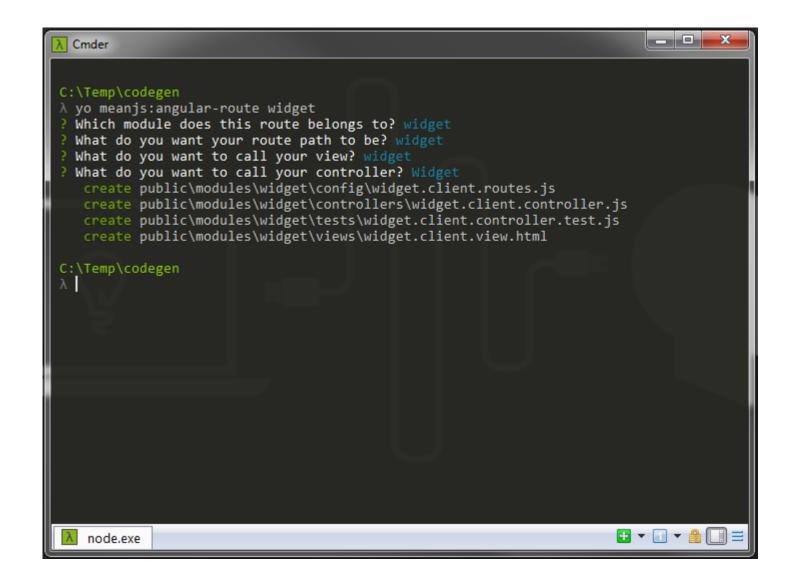
#### **AngularJS Route**





#### **AngularJS Route**





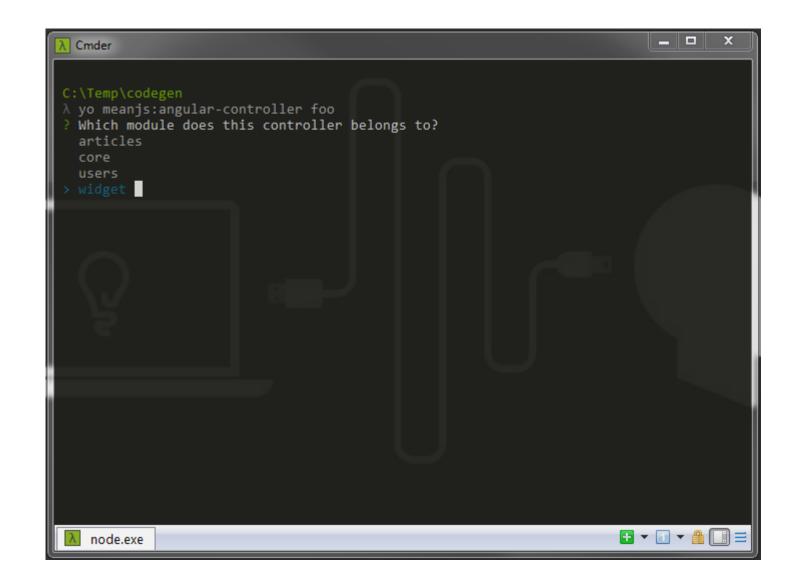
#### **AngularJS Controller**



yo meanjs:angular-controller <ctrl-name>

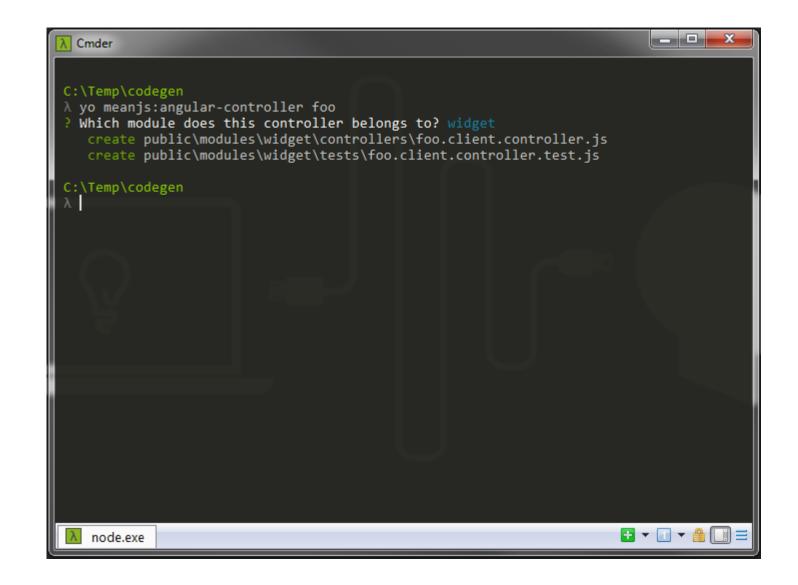
### **AngularJS Controller**





#### **AngularJS Controller**





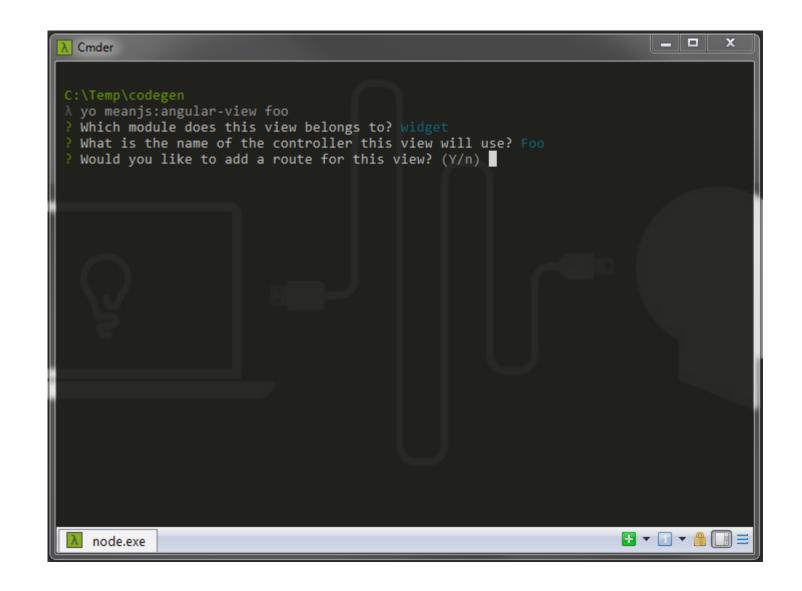
#### **AngularJS View**



yo meanjs:angular-view <view-name>

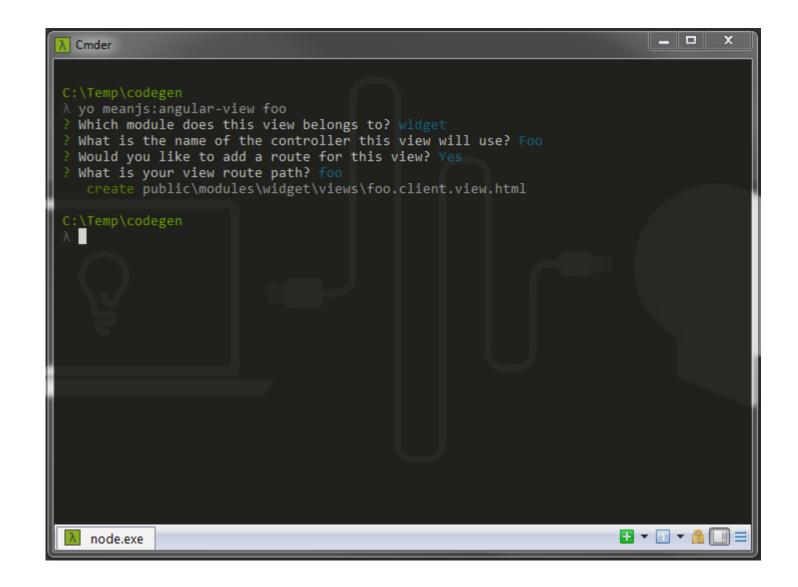
#### **AngularJS View**





#### **AngularJS View**





# Demo

Generate new CRUD module

**Volunteer Needs** 

Copy n Paste / Rename



# Summary

Yeoman Project CRUD Modules

AngularJS Modules

**Express Modules** 







