



WORKSHOP FRONTEND CHILE

ANGULAR BÁSICO







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https://github.com/nicoavila/frontend_chile_angular_basico

OBJETIVOS

- Comprender la gramática de TypeScript con el fin de construir una aplicación en Angular
- Entender la estructura de un proyecto en Angular, creando y utilizando componentes, servicios, directivas y pipes
- Aprender a utilizar Angular CLI para la creación de proyectos, componentes y elementos que constituyen una aplicación
- Desarrollar una aplicación web básica en Angular














RICK & MORTY APP

Rick & Morty

Ingrese el nombre del personaje que desea buscar

BUSCAR

 <p>Rick Sanchez</p> <p>VER DETALLE</p>	 <p>Morty Smith</p> <p>VER DETALLE</p>	 <p>Summer Smith</p> <p>VER DETALLE</p>
 <p>Beth Smith</p> <p>VER DETALLE</p>	 <p>Jerry Smith</p> <p>VER DETALLE</p>	 <p>Abadango Cluster Princess</p> <p>VER DETALLE</p>
		





HISTORIA DE ANGULAR

AngularJS

20 Oct 2010

Angular4

A: 16 Sep 2016
R: 23 Mar 2017

Angular5

R: 1 Nov 2017

Angular2

A: 22 Sep 2014
DP: 30 Abr 2015
B: Dic 2015
RC: May 2016
R: 14 Sep 2016

Angular4.3 (HTTPClient)



ANGULAR 2 A ANGULAR4!? WTF

2.2.1

Mayor

Minor

Patch



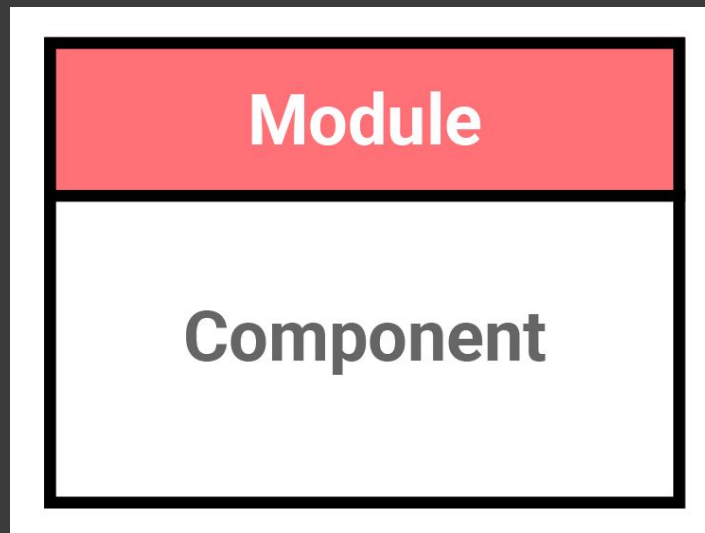
ANGULAR 2 A ANGULAR4!? WTF

@angular/core	v2.3.0
@angular/compiler	v2.3.0
@angular/compiler-cli	v2.3.0
@angular/http	v2.3.0
@angular/router	v3.3.0

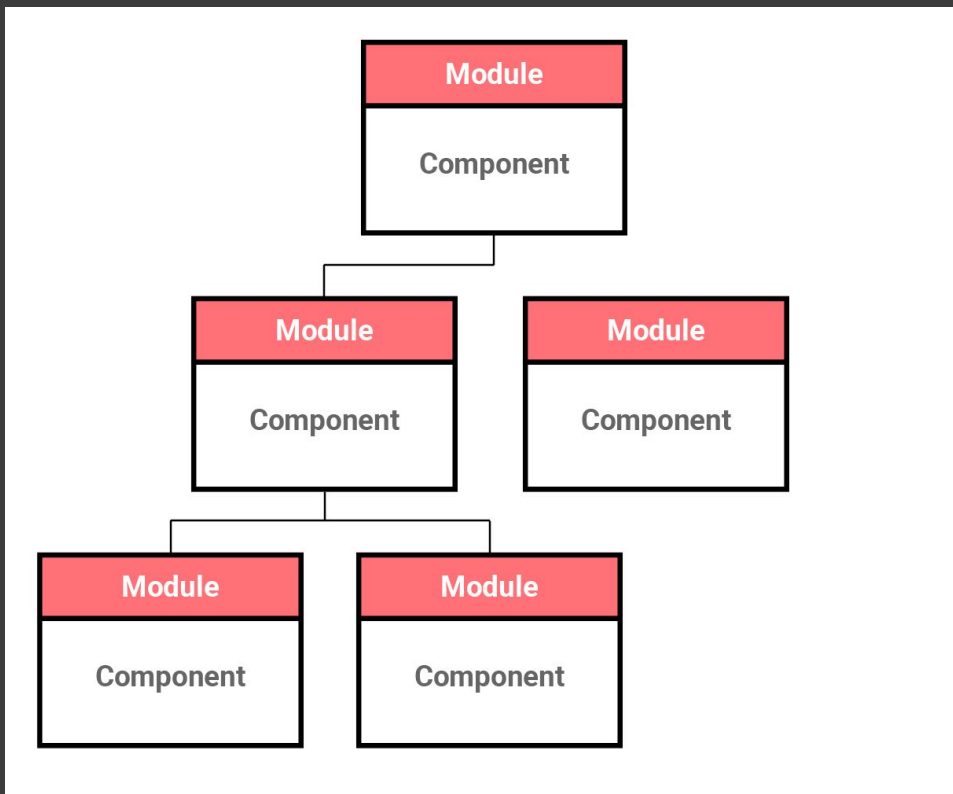
<https://github.com/angular/angular>



ARQUITECTURA DE UNA APLICACIÓN ANGULAR



ARQUITECTURA DE UNA APLICACIÓN ANGULAR



ARQUITECTURA DE UNA APLICACIÓN ANGULAR



Templates

Components

Services

Modules



NGMODULE

```
import { NgModule }      from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';

@NgModule({
  imports:      [ ... ],
  providers:    [ ... ],
  declarations: [ ... ],
  exports:      [ ... ],
  bootstrap:    [ ... ]
})
export class AppModule { }
```



POR QUÉ TYPESCRIPT!?



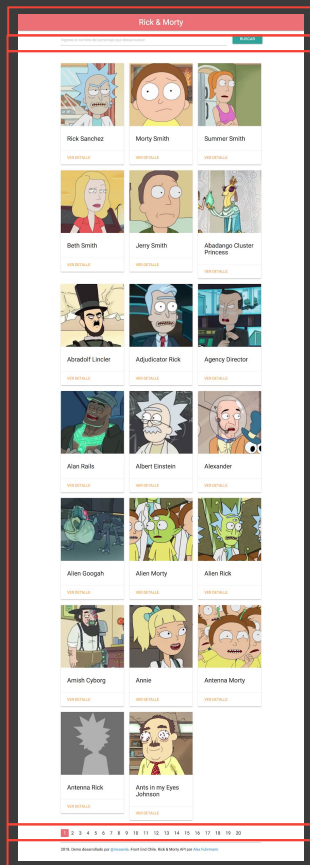
TYPESCRIPT ES AWESOME <3

TYPESCRIPT

JAVASCRIPT



RICK & MORTY EXPLORER: PLANIFICACIÓN



RouterOutlet

FooterComponent

NavbarComponent

PaginatorComponent


FiltroBusquedaComponent



INSTALAR / USAR TERMINAL



INSTALAR NODE



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Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

Spectre and Meltdown in the context of Node.js.

Download for macOS (x64)


8.10.0 LTS
Recommended For Most Users

9.7.1 Current
Latest Features

Other Downloads | Changelog | API Docs Other Downloads | Changelog | API Docs

Or have a look at the [LTS schedule](#).

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Node.js Project Licensing Information.

<https://nodejs.org/en/>



INSTALAR ANGULAR-CLI

 ANGULAR CLI

DOCUMENTATION

GITHUB

GET STARTED

```
> npm install -g @angular/cli
> ng new my-dream-app
> cd my-dream-app
> ng serve
```

Angular CLI

A command line interface for Angular

[GET STARTED](#)

ng new

The Angular CLI makes it easy to create an application that already works, right out of the box. It already follows our best practices!

ng generate

Generate components, routes, services and pipes with a simple command. The CLI will also create simple test shells for all of these.

ng serve

<https://cli.angular.io/>





GENERAR EL PROYECTO

```
ng new rick-morty-app
```


ANATOMÍA DEL PROYECTO


```
└─ e2e
└─ node_modules
└─ src
  └─ app
  └─ assets
  └─ environments
  ★ favicon.ico
  <> index.html
  TS main.ts
  TS polyfills.ts
  # styles.css
  TS test.ts
  {} tsconfig.app.json
  {} tsconfig.spec.json
  TS typings.d.ts
  {} .angular-cli.json
  ⚙ .editorconfig
  💎 .gitignore
  📄 karma.conf.js
  {} package-lock.json
  {} package.json
  JS protractor.conf.js
  ⓘ README.md
  {} tsconfig.json
  {} tslint.json
```

ANÁLISIS DEL ARCHIVO PACKAGE.JSON

```
{  
  "name": "angular-basico",  
  "version": "0.0.0",  
  "license": "MIT",  
  "scripts": {  
    "ng": "ng",  
    "start": "ng serve",  
    "build": "ng build --prod",  
    "test": "ng test",  
    "lint": "ng lint",  
    "e2e": "ng e2e"  
  },  
  "private": true,  
  "dependencies": { ...  
  },  
  "devDependencies": { ...  
  }  
}
```

MATERIALIZECSS Y ANGULAR-CLI





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1.0 alpha has been released![LEARN MORE](#)[1.0 DOCS](#)

Materialize

Un marco de trabajo para interfaces web moderno, responsivo y basado en Material Design

INTRODUCCIÓN

beta release v0.100.2

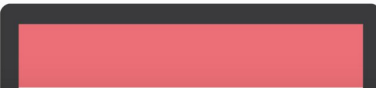


The new generation of project management tools is here and it's visual.

ads via Carbon

Latest Commit on Github: 344904ea1fa1f858424b0c93723b44c7bd6b3 8 days ago

GITHUB



Español ^

GENERACIÓN DE COMPONENTES

```
ng g component <NOMBRE>  
ng g service <NOMBRE>
```