



WORKSHOP FRONTEND CHILE

# ANGULAR BÁSICO





# 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

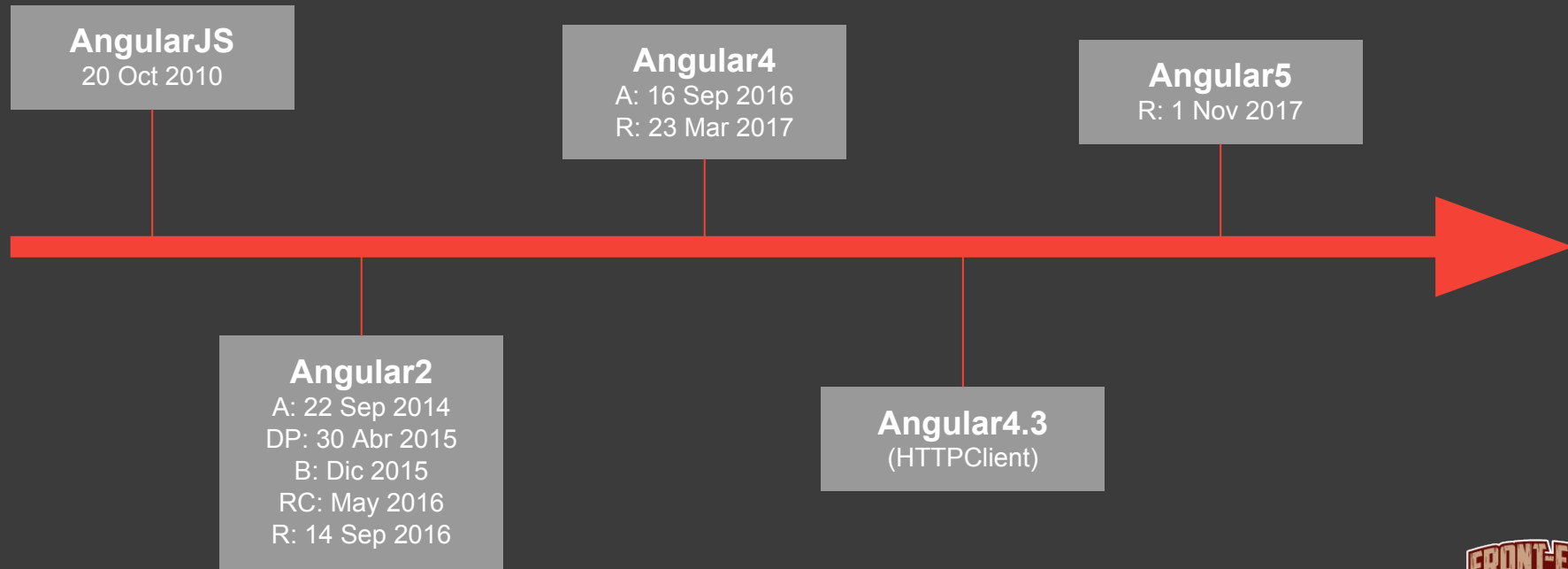
BUSCAR

 <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



# ANGULAR 2 A ANGULAR4!? WTF

2.2.1

Mayor

Minor

Patch





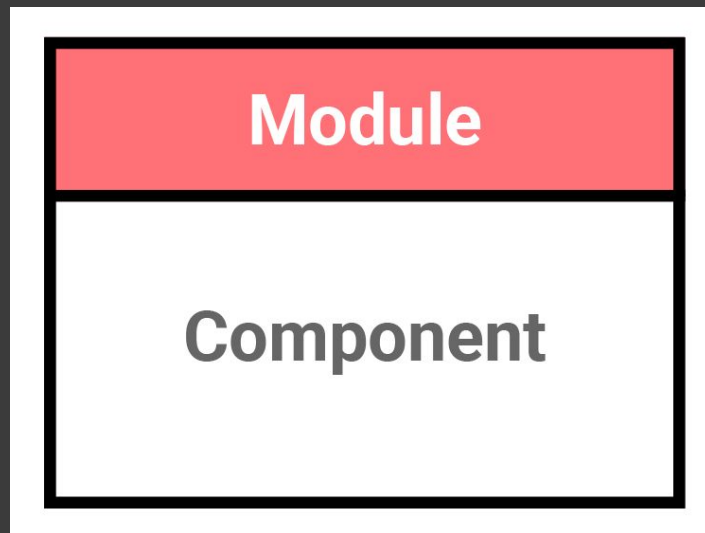
# ANGULAR 2 A ANGULAR4!? WTF

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

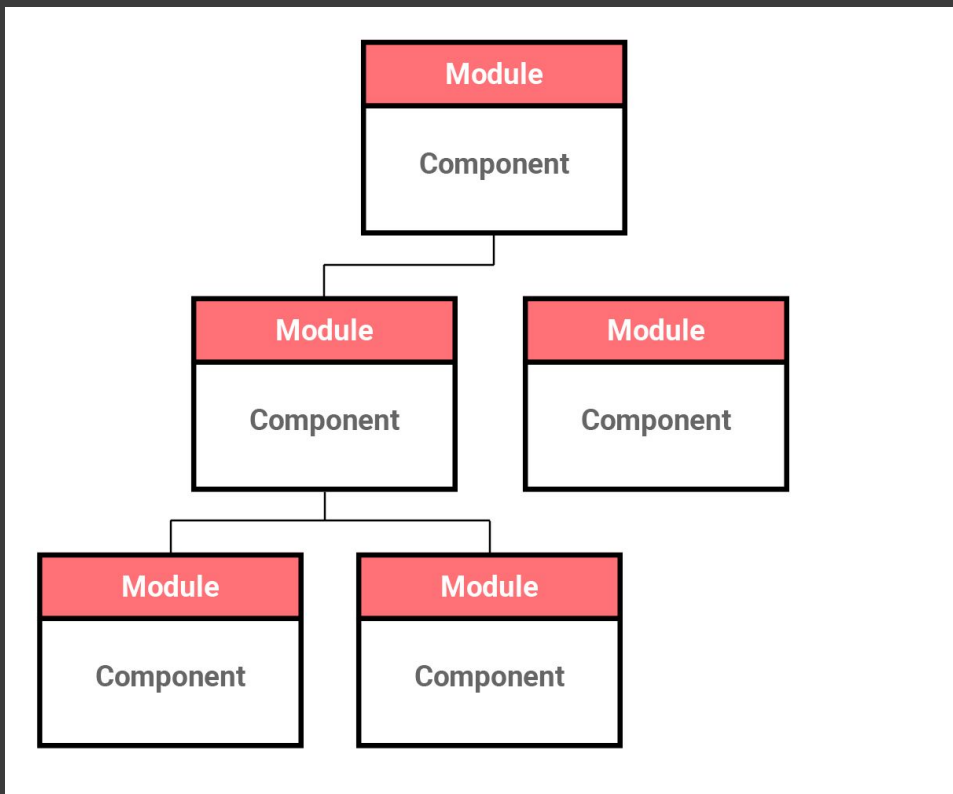
<https://github.com/angular/angular>



# ARQUITECTURA DE UNA APLICACIÓN ANGULAR



# ARQUITECTURA DE UNA APLICACIÓN ANGULAR



# ARQUITECTURA DE UNA APLICACIÓN ANGULAR



Templates

Services

Components

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**

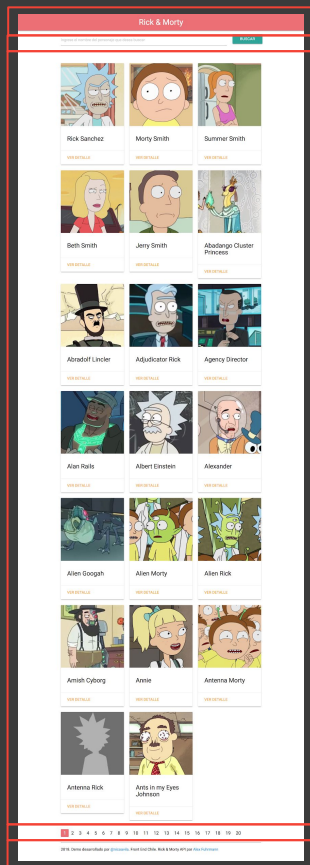
**TYPESCRIPT**

**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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<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





[Sobre Materialize](#)[Introducción](#)[CSS](#)[Components](#)[JavaScript](#)[Mobile](#)[Vitrina](#)[Temas](#)


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>
```

