

A BRIEF INTRODUCTION TO

ANGULAR2

LETS CLONE A REPO

- ▶ `git clone`
- ▶ `npm install`
- ▶ `npm install -g jspm`
- ▶ `jspm install`
- ▶ `git checkout start`
- ▶ `npm run start`

WHAT'S HERE?

- ▶ index.html
- ▶ app/app.ts
- ▶ app/boot.ts

@COMPONENT

- ▶ A decorator
- ▶ Adds metadata to a class
- ▶ Supported by Typescript and ES2017 (stage 1)
- ▶ Tells angular this class is a component

WHAT'S A COMPONENT?

- ▶ Kind of like a directive/controller hybrid
- ▶ Always a custom element
- ▶ Has a template
- ▶ Can be injected

LET'S EXTERNALIZE THE TEMPLATE

TEMPLATES IN ANGULAR2

- ▶ Expressions are still `{{}}`
- ▶ The context (scope) is the component instance
- ▶ ? lets you safely display nested properties
 - ▶ `foo?.bar`
- ▶ `|` = Pipes

NGFOR

- ▶ weird attribute: `*ngFor`
- ▶ different syntax: `"#foo of foos"`
- ▶ `#foo` is a local variable

LETS MAKE CANDIDATES

PROPERTY BINDINGS

- ▶ `[property]="expression"`
 - ▶ one-way in
 - ▶ sets property when expression changes
- ▶ `(event)="doSomething()"`
 - ▶ invokes doSomething on event

LETS SELECT CANDIDATES

NESTED COMPONENTS

- ▶ Components can use other components
- ▶ Need to declare them in the directives array

CANDIDATE DETAILS

SERVICES

- ▶ Are ES2015 classes
- ▶ Still singleton
- ▶ Inferred if using a Typescript type declaration

HTTP IN ANGULAR2

- ▶ Http calls return observables
- ▶ Like promises but can return multiple values
- ▶ Subscribe = then
- ▶ Transformable via operators