HANDS ON INTRODUCTION TO ANGULAR



Please install:

NodeJS: <u>nodejs.org</u>
To check, run: "node -v"

AngularCLI: "npm install -g @angular/cli"

Commands we will be using found here: goo.gl/atpksQ



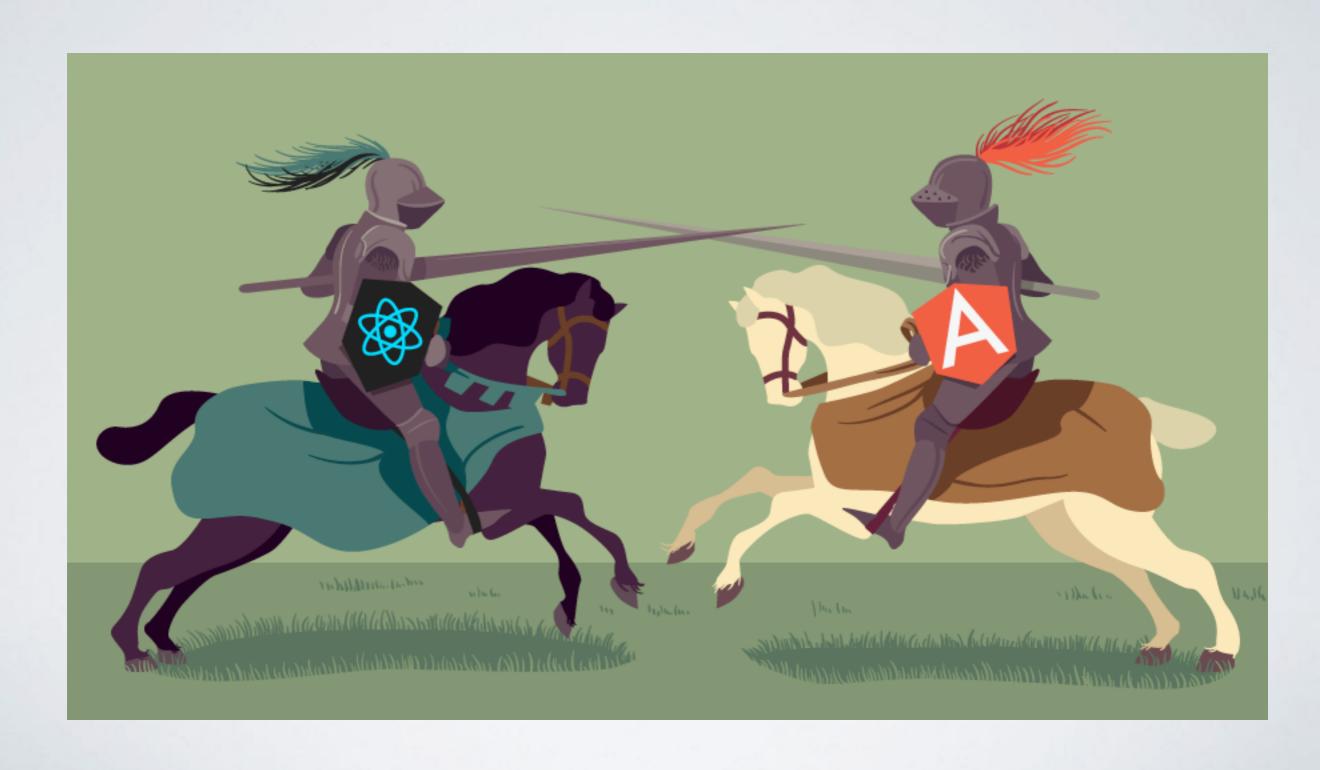
HANDS ON INTRODUCTION TO ANGULAR



"the best way to get the right answer on the internet is not to ask a question; it's to post the wrong answer."

:: Ward Cunningham, father of the wiki ::

WHICH FRAMEWORK IS THE BEST?!!?



TODAY'S GOALS

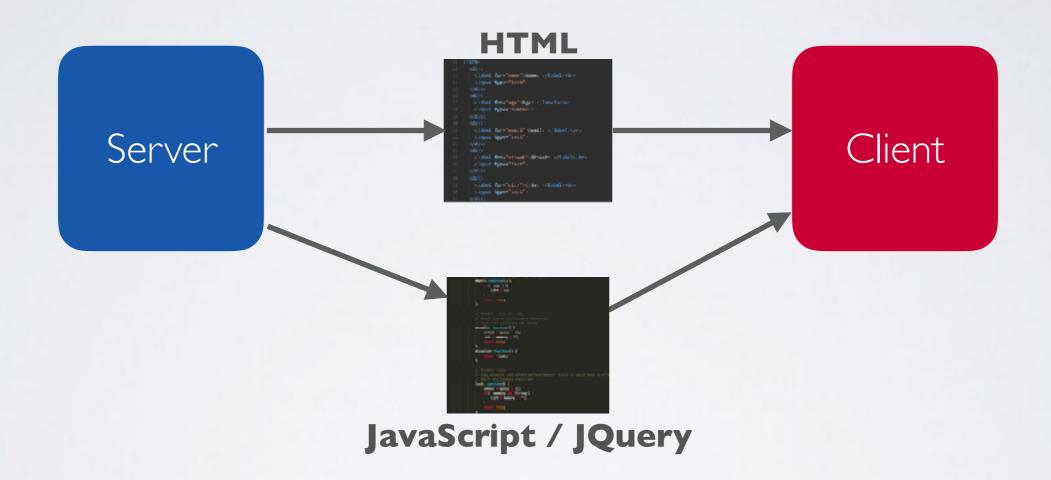
Why Angular

High level overview

Hands on with your first app

Attractive Features

Why the rise of JS frameworks?



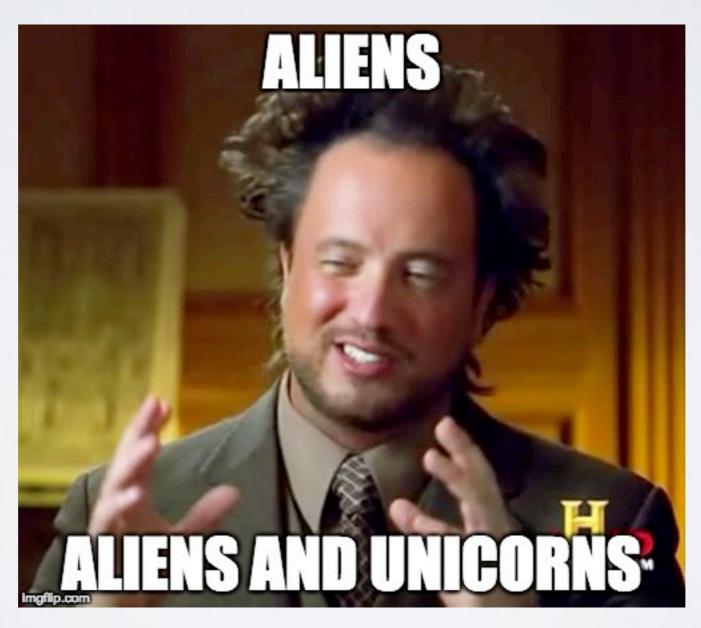
ADVANTAGES

- Front end decoupled from back end code: Replaces server side templating engines plus JQuery approach (Java - JSTL, .Net Razor, Python Jinja)
- Code Organization (Components) & Productivity
- Rapid Development & CLI code generation
- Dynamic Content in HTML template
- Unit Testing Ready
- Cross Platform (browsers, device)



A What is Angular

How was Angular made, what is the special sauce?



 JavaScript framework to build powerful single page apps

Created and maintained by Google

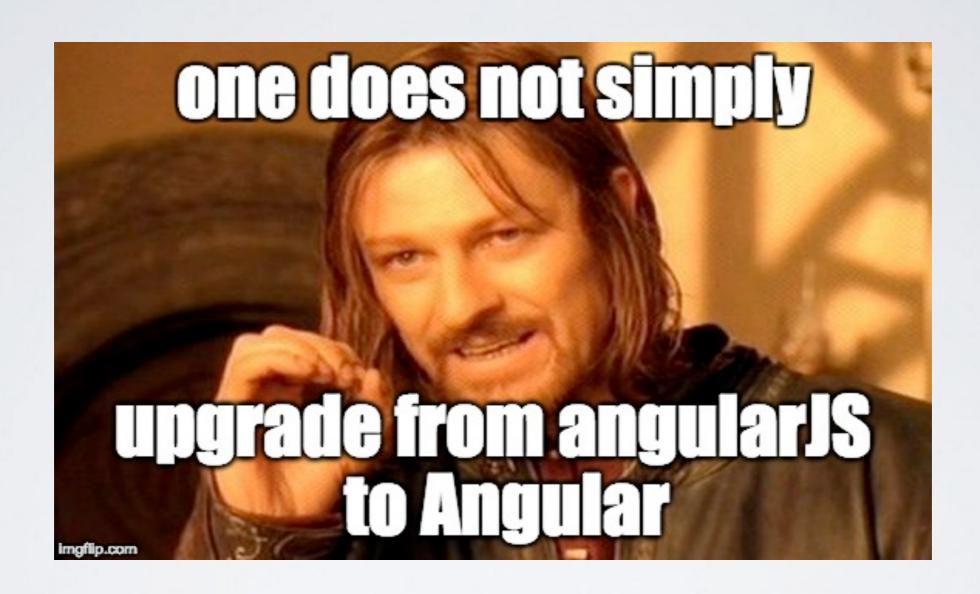
MEAN (MongoDB, Express, Angular, Node) stack

ANGULAR VERSION HISTORY

- Angular JS / Angular Lx.x
- Angular 2 : Complete rewrite, breaking change
- Angular 3: Skipped since @angular/router was ahead
- Angular 4: Present (Backward compatible with Angular 2)

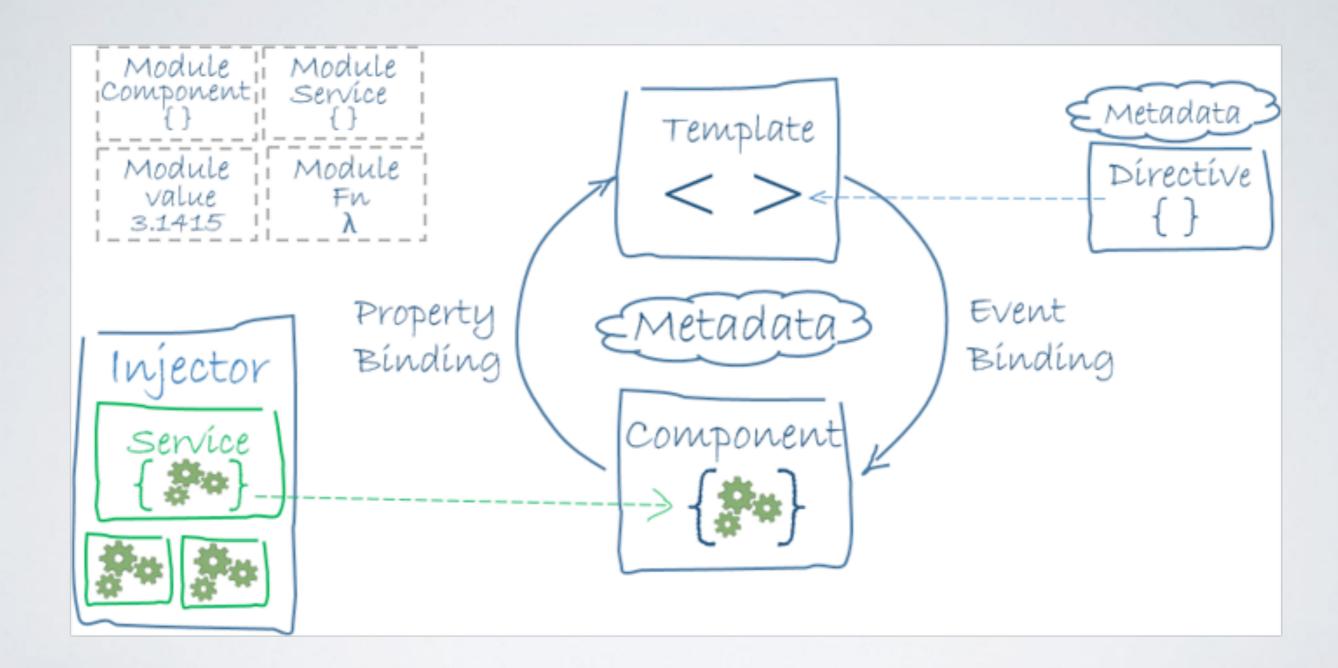


A What is Angular

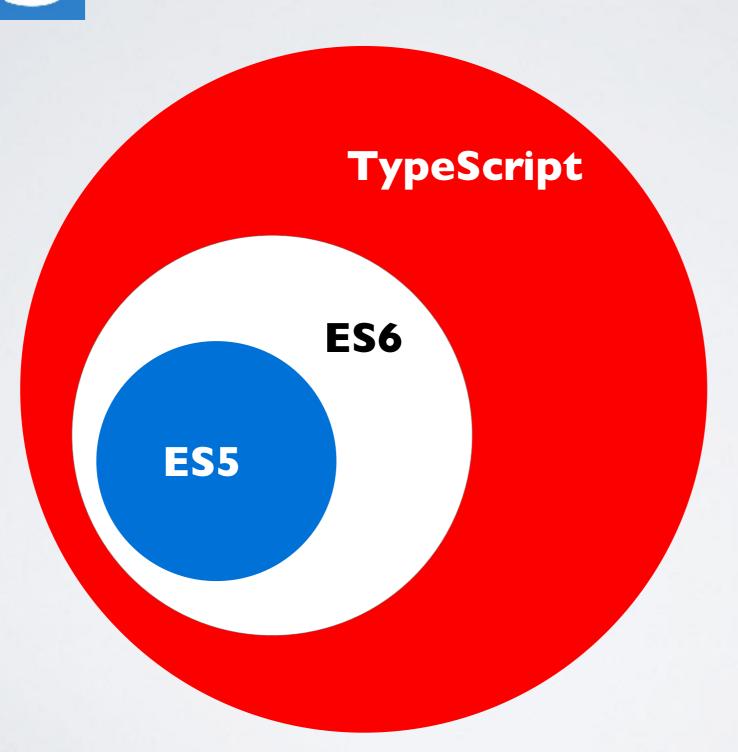




What is Angular



TS WHAT IS TYPESCRIPT?



TS

WHAT IS TYPESCRIPT?

- Created by Microsoft
- Superset of JavaScript with additional features
- Optional Static Typing
- Class based syntactical sugar over
 JS prototypical inheritance

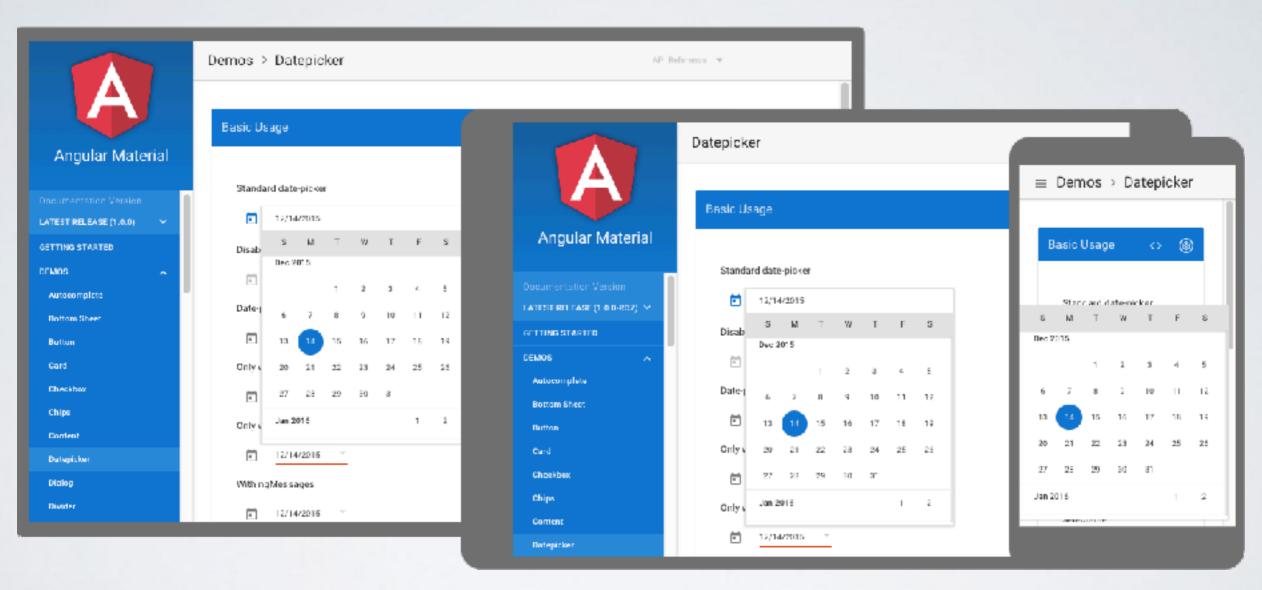
- Angular is written in a superset of JavaScript called TypeScript
- Angular is written in a superset of JavaScript called TypeScript
- VS Code is written in TS
- Browser can't run TypeScript so we first need to transpile it into JavaScript.
- TS comes with a transpiler that allows us to

target specific versions: ES3, ES5, ES6



A Things that play nice with Angular

Material Design Ul Library for Angular



material.angular.io



Things that play nice with Angular

AngularFire

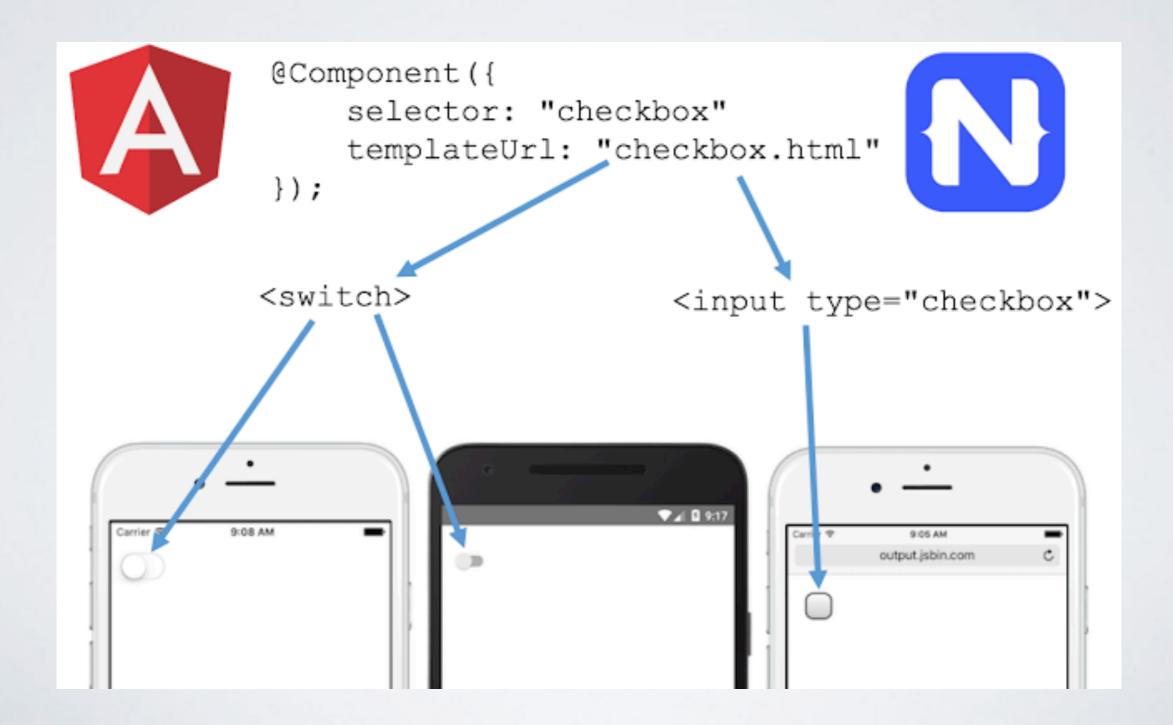


github.com/angular/angularfire2



Things that play nice with Angular

Angular + NativeScipt = Cross Mobile



Let's make an Angular app!

Resources:

Great Free online tutorial: https://codecraft.tv/courses/angular/

Additional resources:

https://github.com/apasternack/Presentations/tree/master/ HandsOnIntroToAngular

THE END STAY IN TOUCH

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