May Meet-up

High Country Angular

Introduction

- Why do we need another meet-up?
- What's so great about Angular?
- Organizers
  - Wes Grimes
  - Chris Hampton
- Sponsored by Samaritan's Purse

Vision Statement

- High Country Angular is a group of tech enthusiasts, web designers, software developers and engineers, gathering together on a regular basis to share knowledge, ideas, and lessons learned in working with the Angular framework.

- We are working hard to create a ***culture of honor*** where questions big and small from beginners to experts are treated with the same respect.

Meetup Schedule

- 3rd Monday of Every Month
- Future Location @ Samaritan's Purse IHQ
- Check meetup.com for schedule updates and changes
- Submit topics for discussion via Twitter @ngHighCountry #meetup

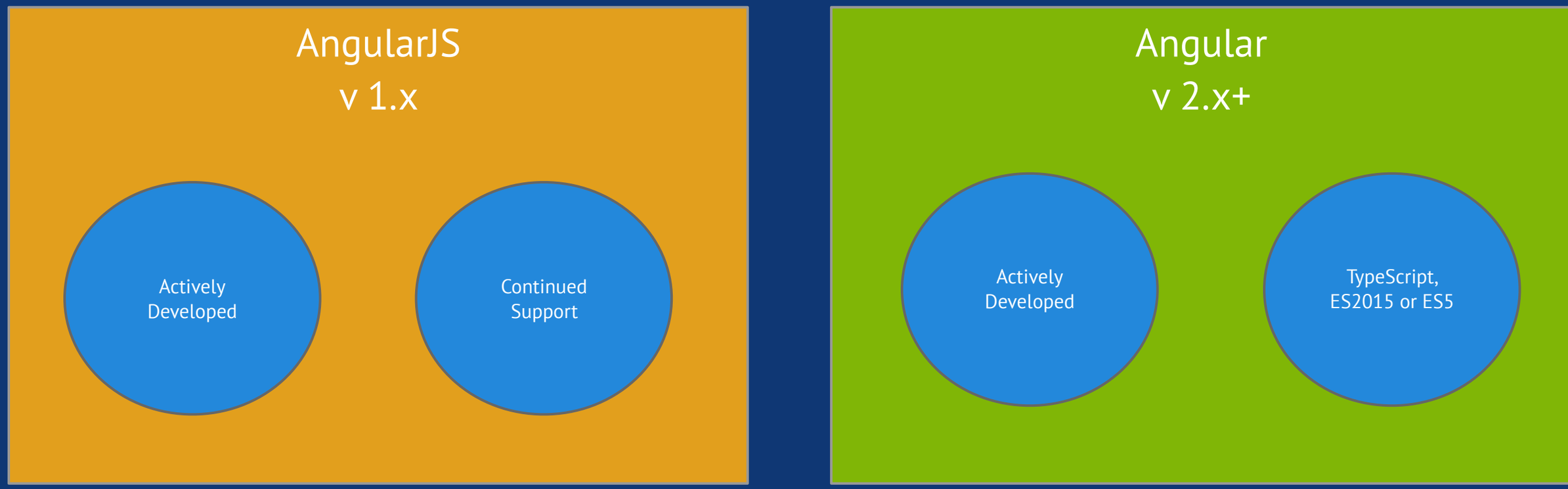
Social Media

@ngHighCountry

Angular Basics

- We’re going to build a Chuck Norris Joke Board
- By the end you’ll be able to…
  - Use Stackblitz to create/develop a basic Angular App
  - Understand building blocks of a basic Angular App
  - Request data from external services using HttpClient

Angular Versions

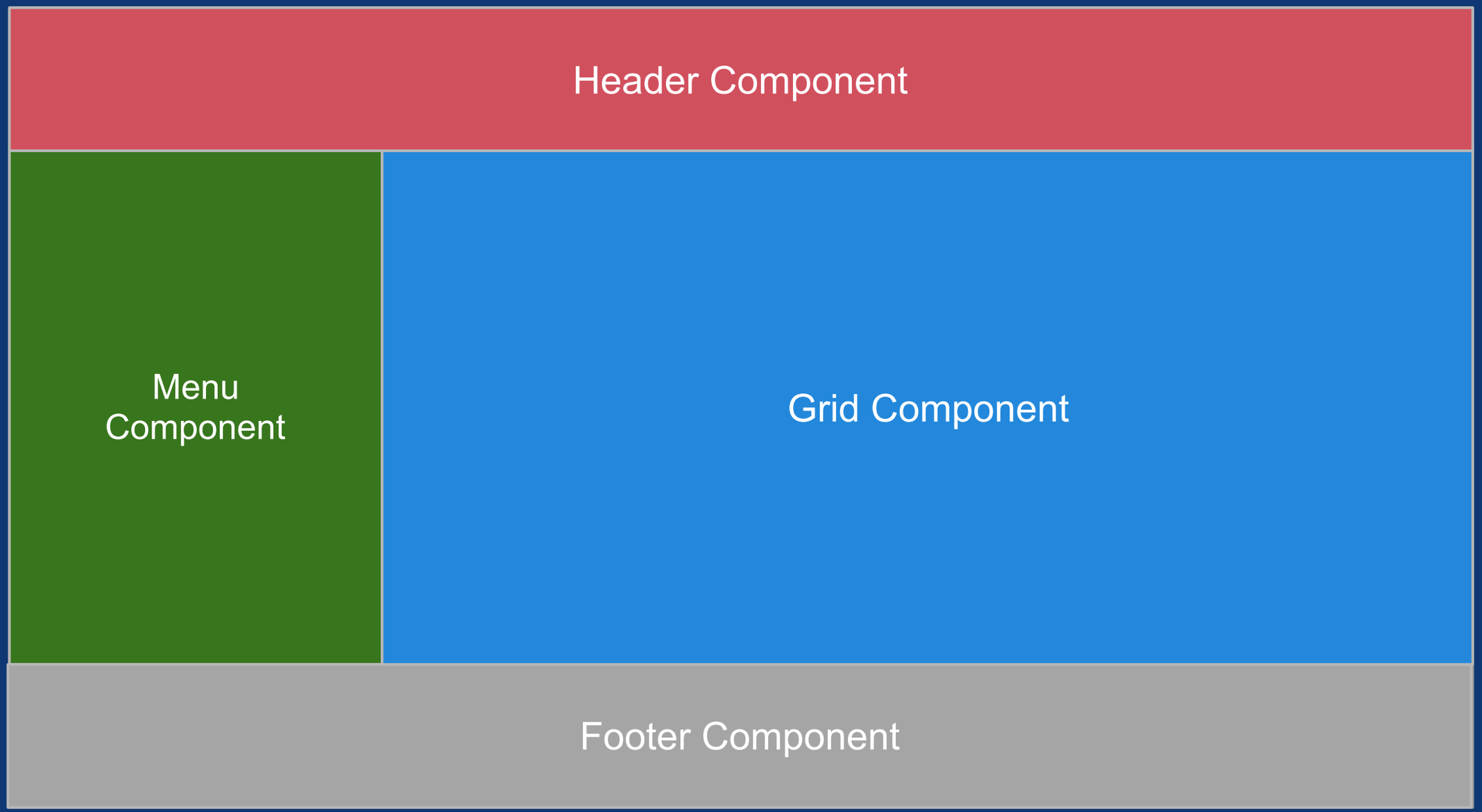


AngularJS is planning one more significant release, version 1.7, and on July 1, 2018 it will enter a 3 year Long Term Support period. - Angular Team, Jan 2018

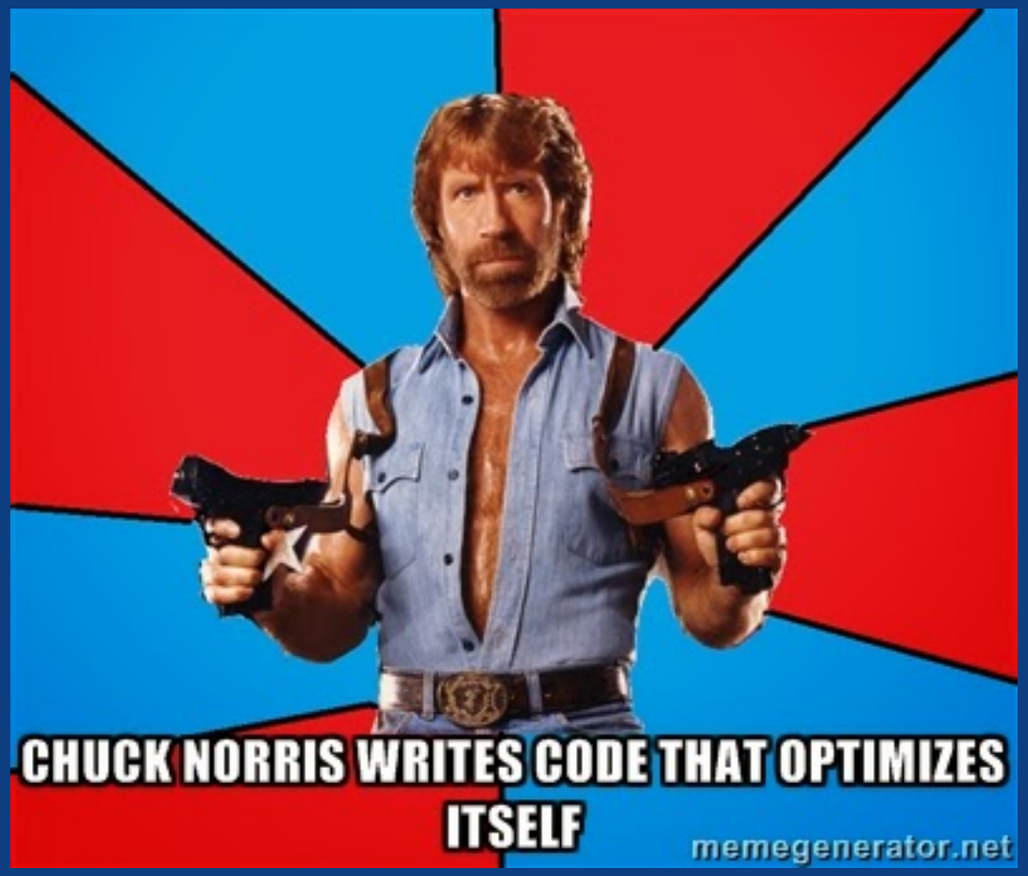
Angular Overview

Modules	Components	Decorators	Languages (TypeScript, ES2015+, ES5)
Dependency Injection	Services	Data Binding	Performance

The Big Picture



WHEN CHUCK NORRIS THROWS EXCEPTIONS
IT'S ACROSS THE ROOM
memegenerator.net


CHUCK NORRIS WRITES CODE THAT OPTIMIZES ITSELF
memegenerator.net

CHUCK NORRIS
CAN DELETE THE RECYCLE BIN
memegenerator.net

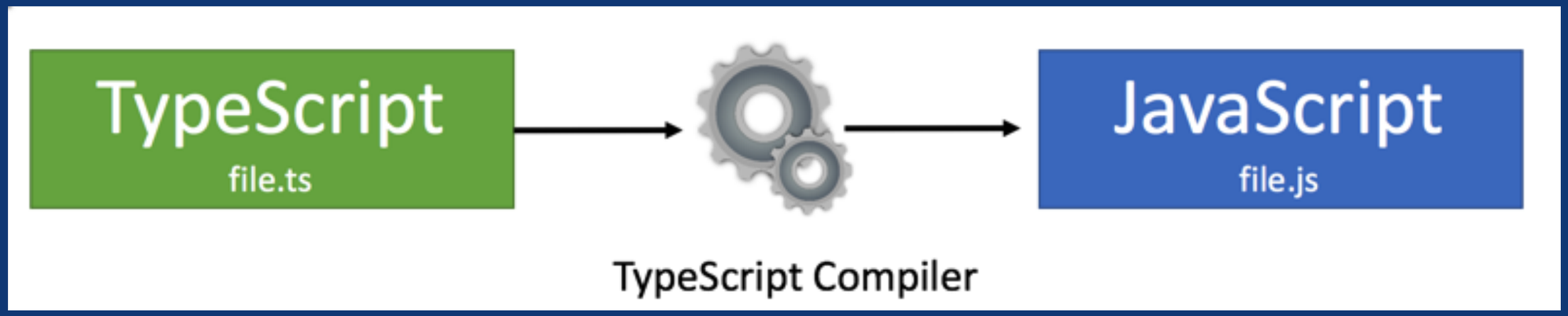
Typescript

- The future of JavaScript is ES2015
  - Major update to the JavaScript language
  - Modules, classes and more
  - Will help you align with Angular
- TypeScript builds on top of ES2015

Typescript

https://www.typescriptlang.org/play/

Typescript Compilation



Typescript Classes

- TypeScript/ES2015 supports classes:
  - Define constructors
  - Define properties
  - Support for "inheritance" (uses prototyping)
  - Shortcut function names
  - Encapsulation of code!

Typescript Arrow Functions

- Cleaner syntax
- Easier nesting
- “Fat arrow” =>
- Function myFunction(inputVar)

Typescript Template Strings

- Supports multi-line strings
- Allow variables and expressions to be embedded in string literals using ${expression}
- Use the ` character to start and end a string
- Clean up situations where multiple strings are concatenated

Let’s Get Coding…