

# Angular

## Introduction



# Section Overview

- Who am I?
- What is Angular?
- Angular app architecture
- Getting most from this course

# Who am I?

## **Benjamin Longearet**

- An enthusiastic developer
- CTO & Co-founder @EliumTV (2016)
- Frontend director @Teads (2011)
- Webdev since 1998



@blongearet



firehist



# What is Angular?



# What is Angular?

## **Angular is**

- An open source JavaScript platform which simplifies binding code between JavaScript objects and HTML UI Element
- Actual version is **2.4.9**
- Using HTML, CSS & JavaScript (TypeScript)

# Why Angular?

Powerful  
Data  
Binding



Modular  
by design



Enhance  
HTML



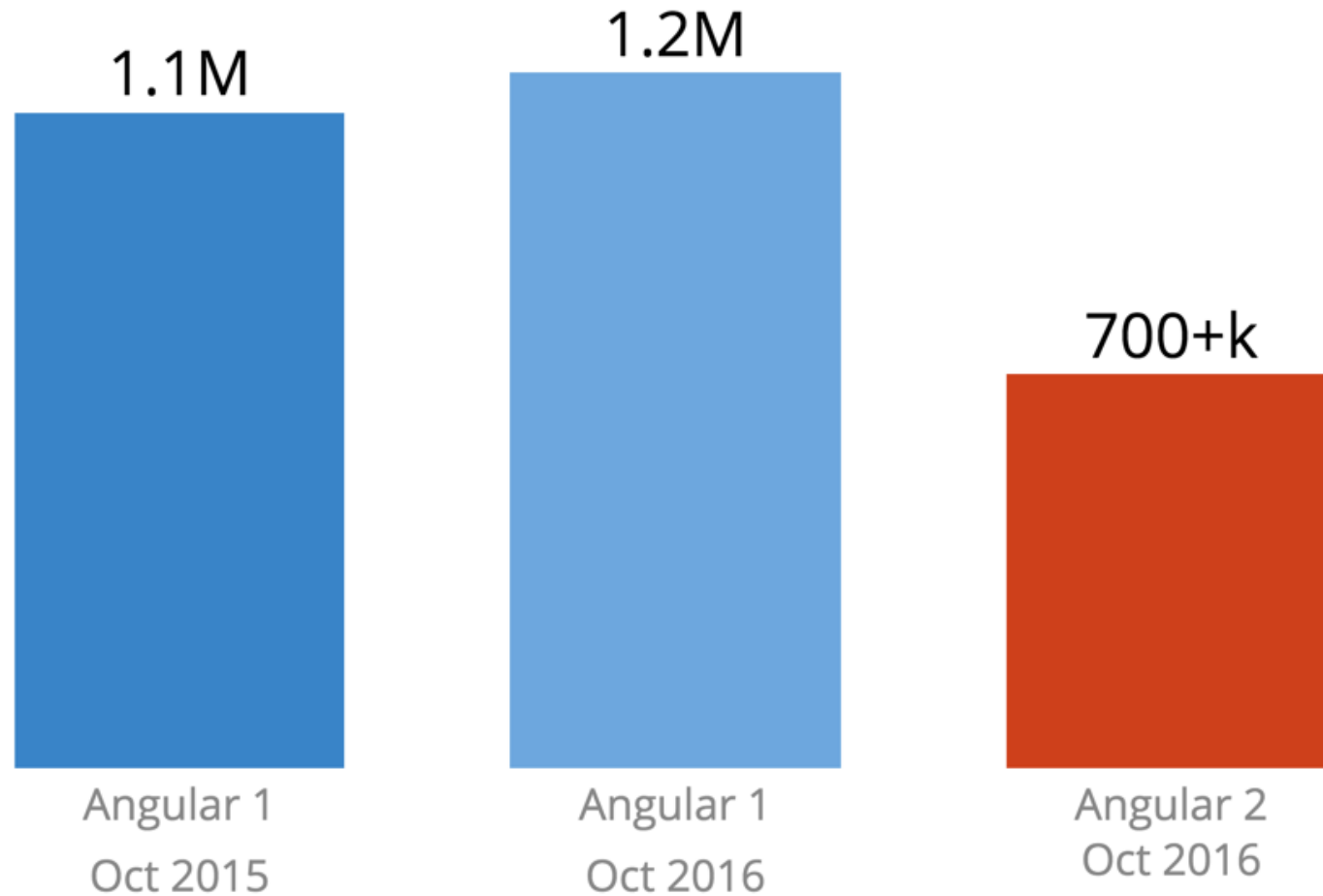
Opiniated  
architecture



# Why Angular?

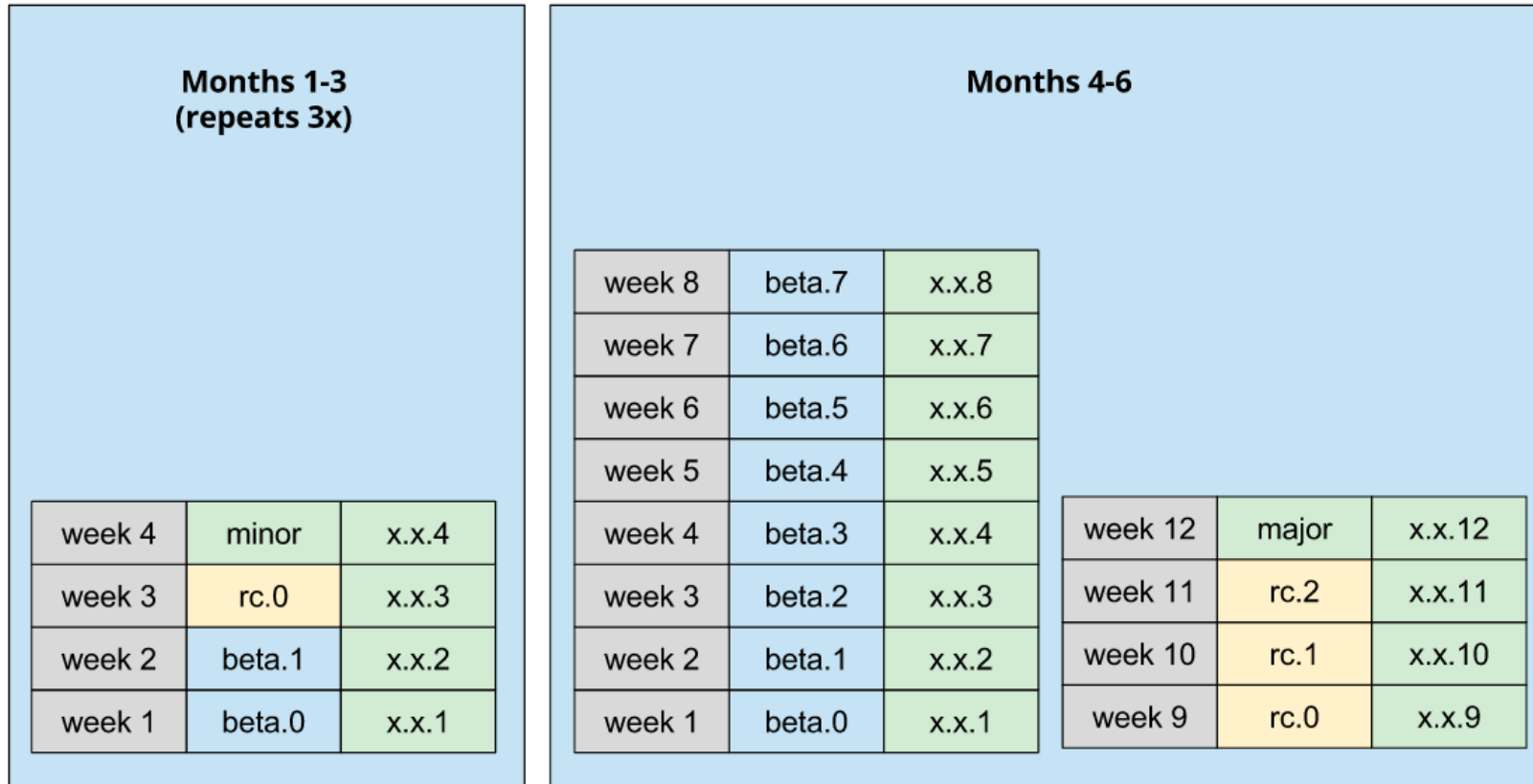


# Why Angular?





# Why Angular?



The diagram above doesn't contain info about skipped releases due to events/holidays, or unscheduled releases due to unintended breaking changes or important events.

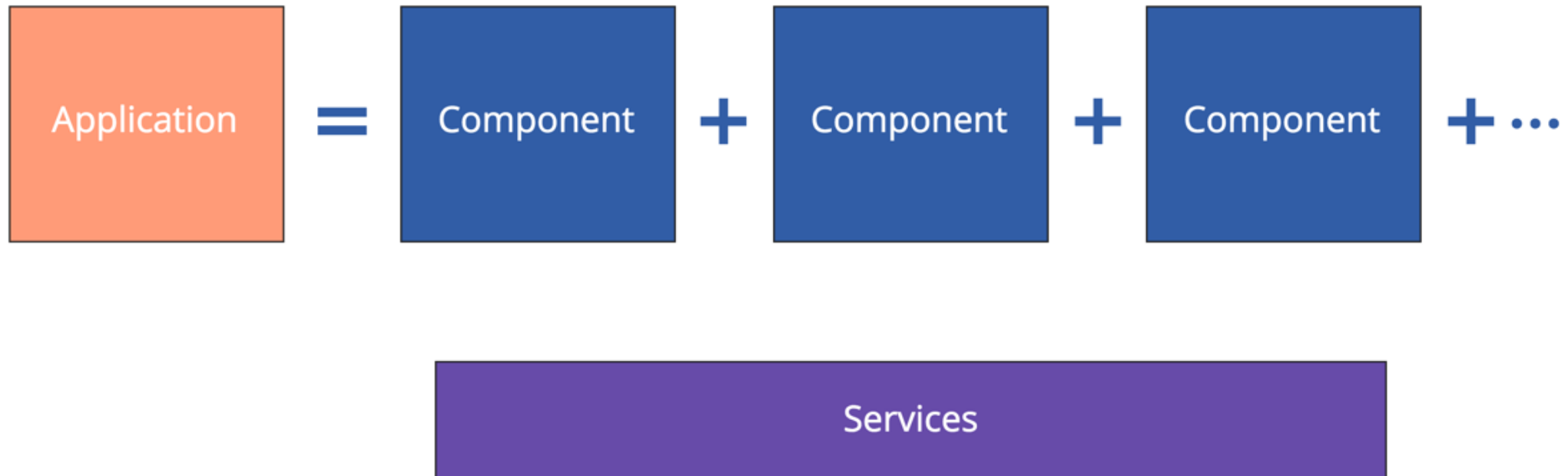
# Why Angular?

- Integrated into Google master repo
- Separation of concerns
- Dependency Injection
- Lots of built-in and open source directives
- Robust routing support
- Mobile & Web
- Build with testability in mind
- Reactive programming

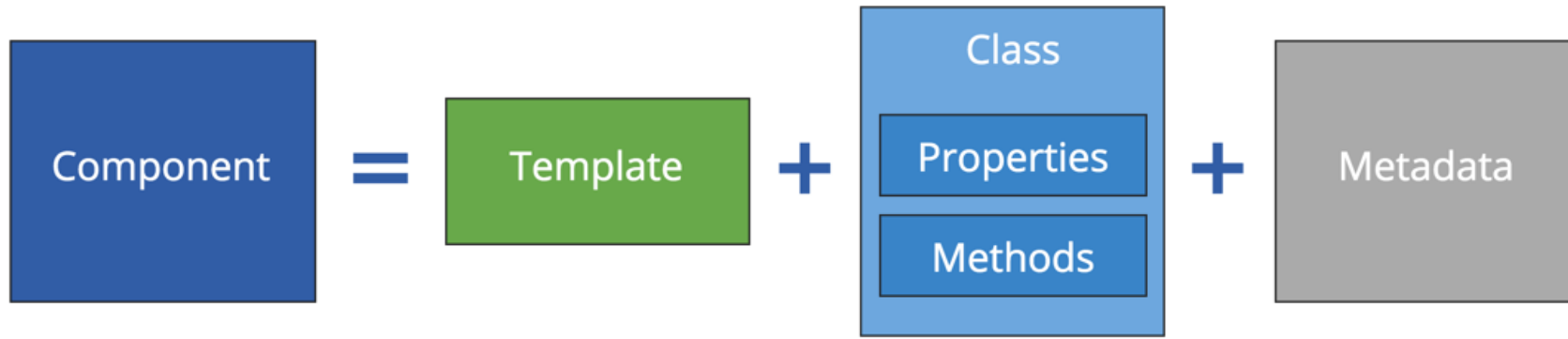
# Module Overview

- Architecture of an Angular Application
- Getting the most from this course
- Sample Application
- Course Outline

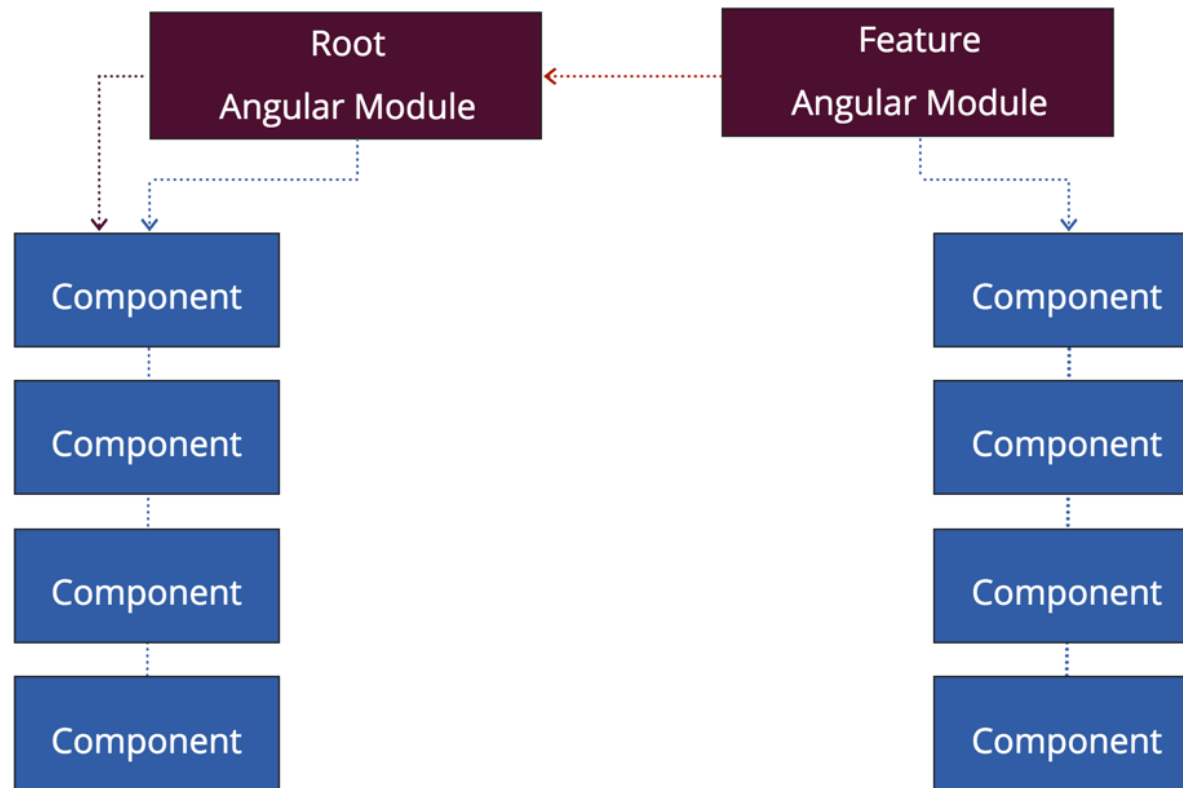
# Architecture of an Angular Application



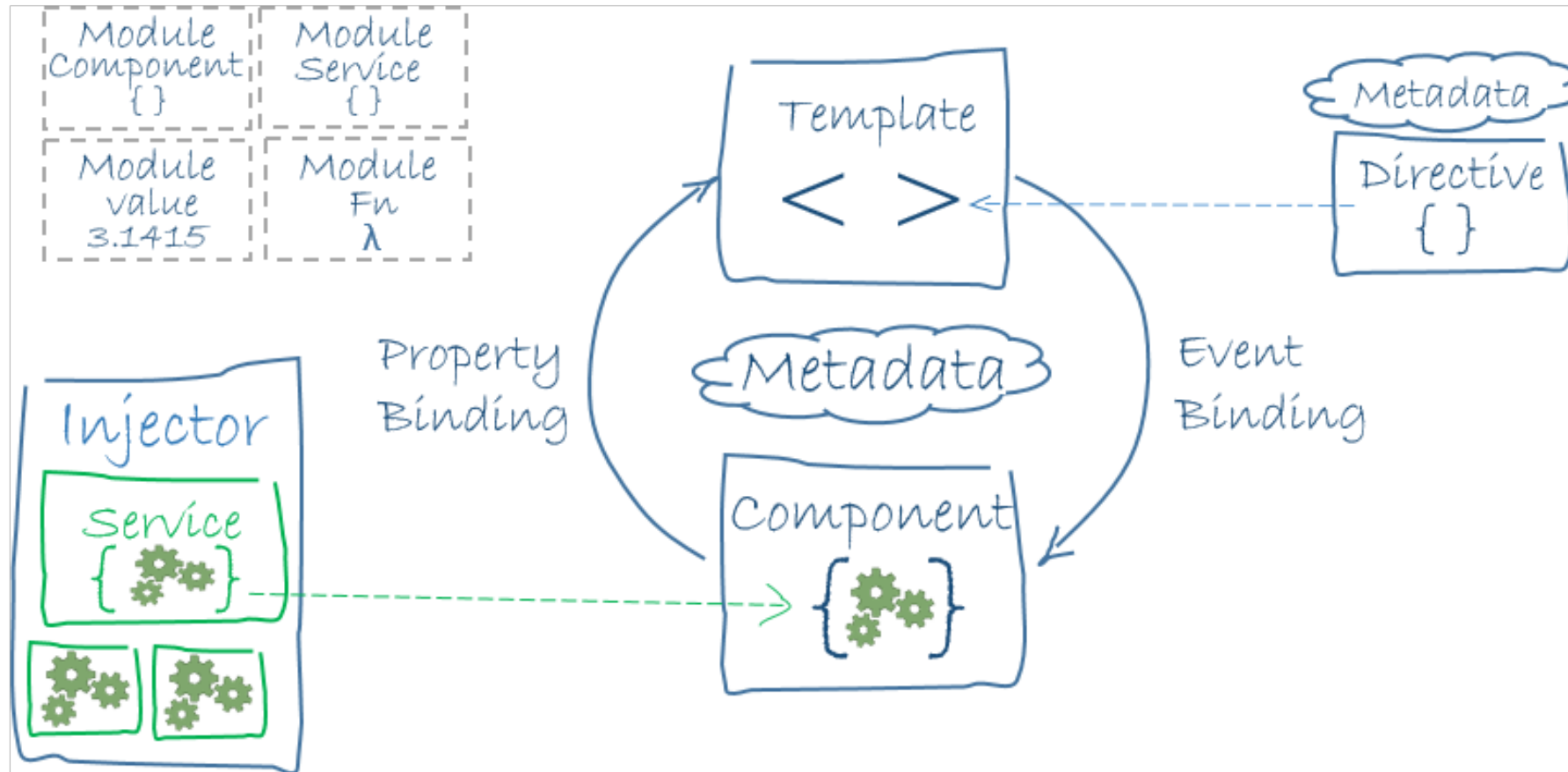
# Architecture of an Angular Application



# Architecture of an Angular Application



# Architecture of an Angular Application



# Getting the most from this course

## Required

- Javascript
- HTML
- CSS

## Helpful

- Object-oriented programming (OOP) concepts
- C++, C#, Java, PHP

## Not Required

- Prior knowledge of Angular
- Prior knowledge of TypeScript



# Getting the most from this course

GitHub, Inc. [US] | <https://github.com/firehist/angular2-courses>

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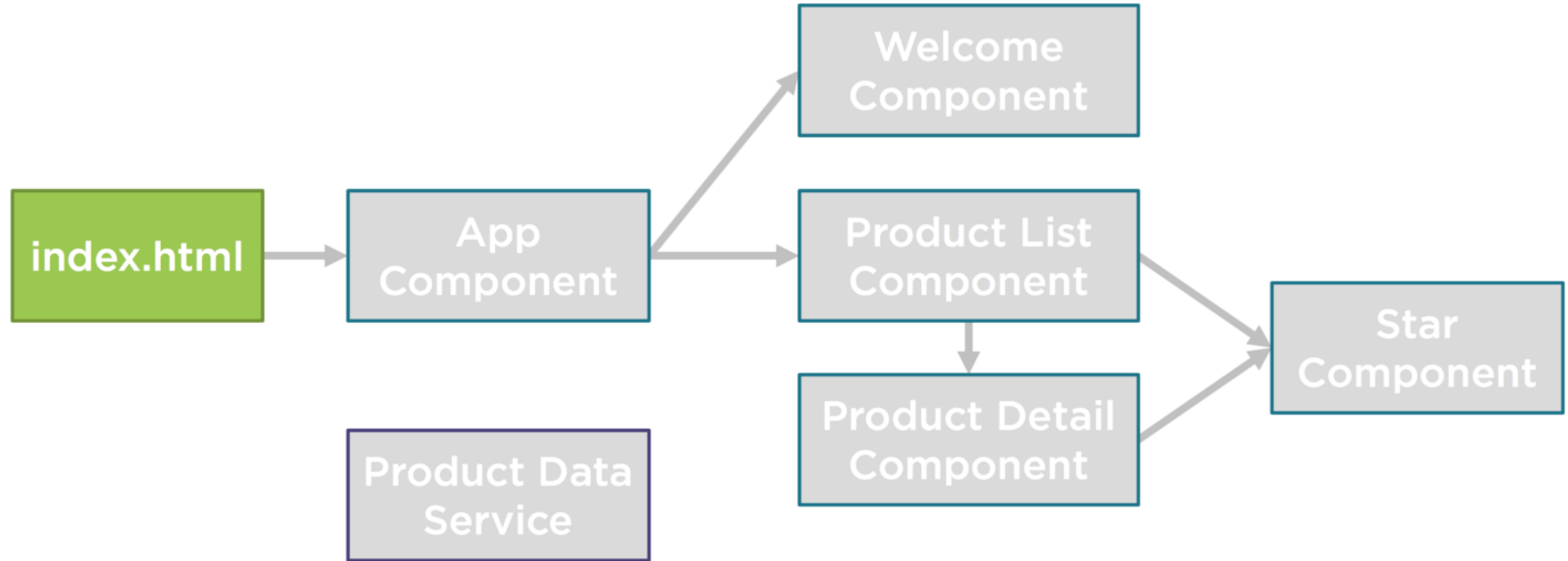
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.vscode	First commit	an hour ago
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app	First commit	an hour ago
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Demo time



# Application Architecture



# Course overview

- Start at the beginning
- TypeScript
- Introduction to Components
- Templates, Interpolation and Directives
- Data Binding and Pipes
- More on components
- Building Nested components
- Services and dependency injection
- Angular Forms
- Angular Animations
- Angular Modules
- Angular 2 Setup revisited
- Reactive programming
- Retrieving data using HTTP
- Unit testing with Jasmine and Karma
- @ngrx/store