

Angular: Getting Started

INTRODUCTION



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WHAT?

WHERE?

WHO?

WHEN?

WHY?

HOW?



Angular Is ...



A JavaScript framework

For building client-side applications

Using HTML, CSS and JavaScript



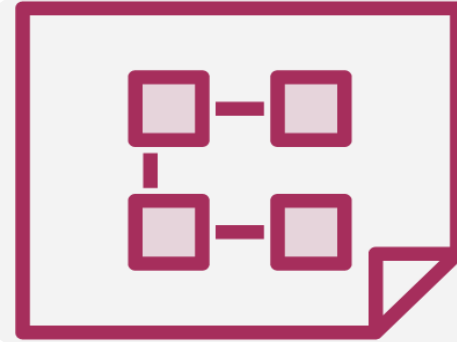
Why Angular?



**Expressive
HTML**



**Powerful
Data
Binding**



**Modular
By Design**



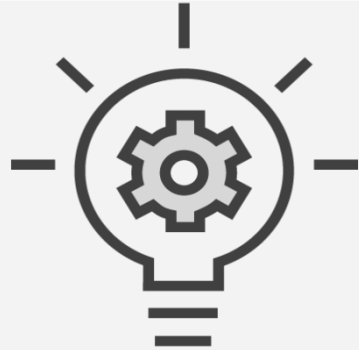
**Built-in
Back-End
Integration**



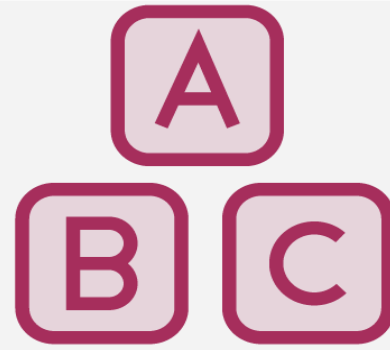
Why Angular 2?



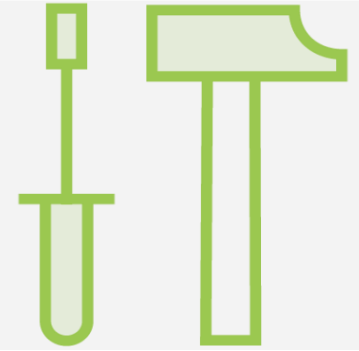
**Built for
Speed**



Modern



**Simplified
API**



**Enhances
Productivity**



Module Overview



Anatomy of an Angular 2 Application

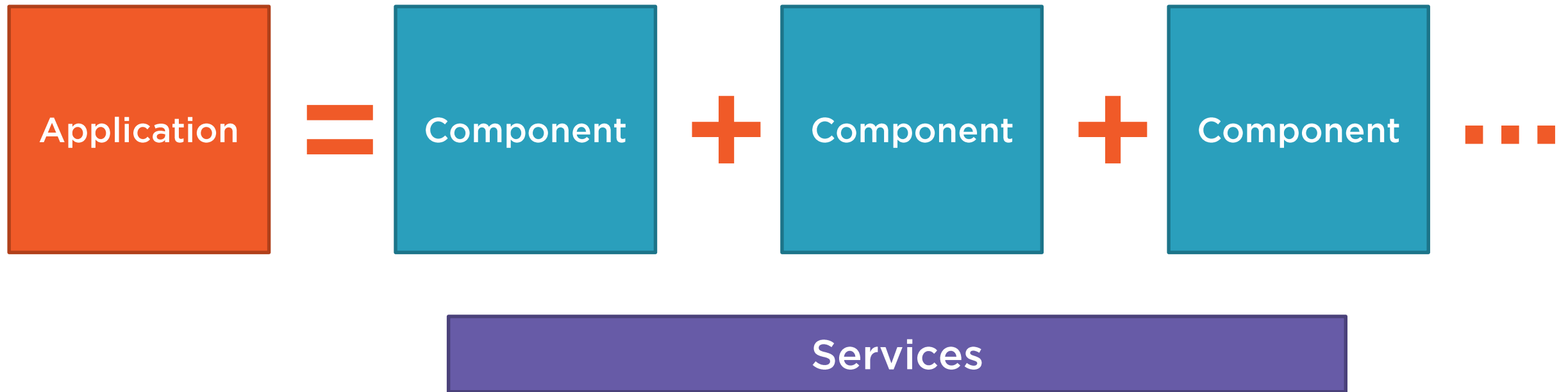
Getting the Most from This Course

Sample Application

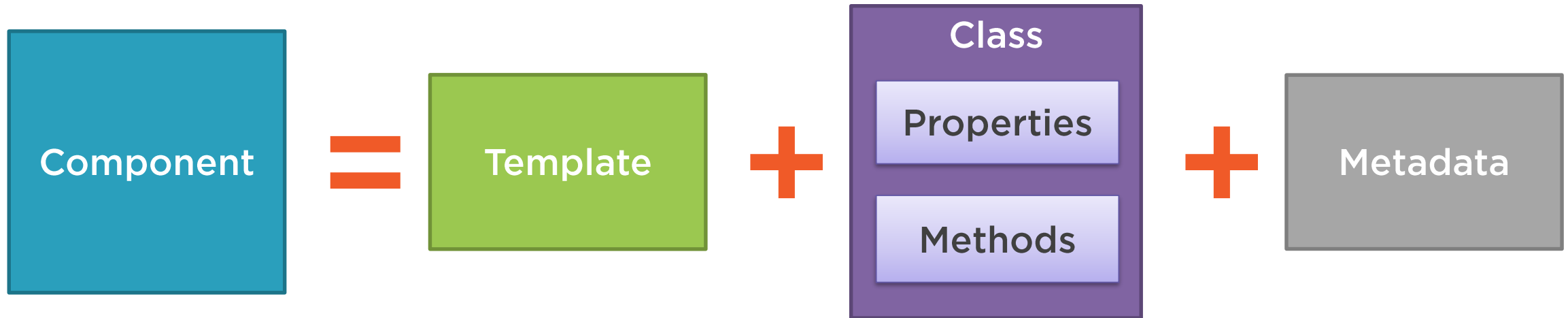
Course Outline



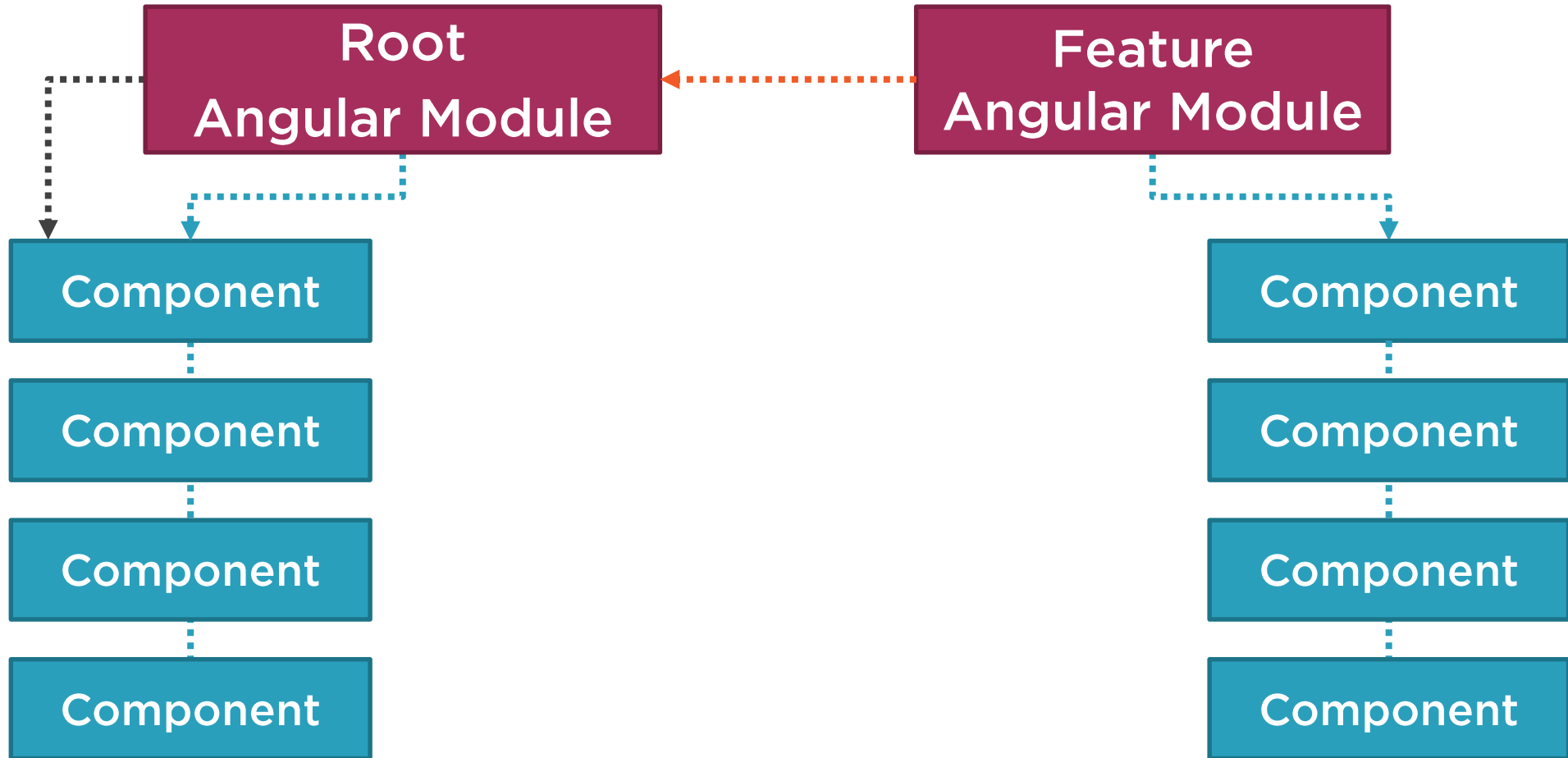
Anatomy of an Angular 2 Application



Component



Angular Modules



Prerequisites

Required

- JavaScript
- HTML
- CSS

Helpful

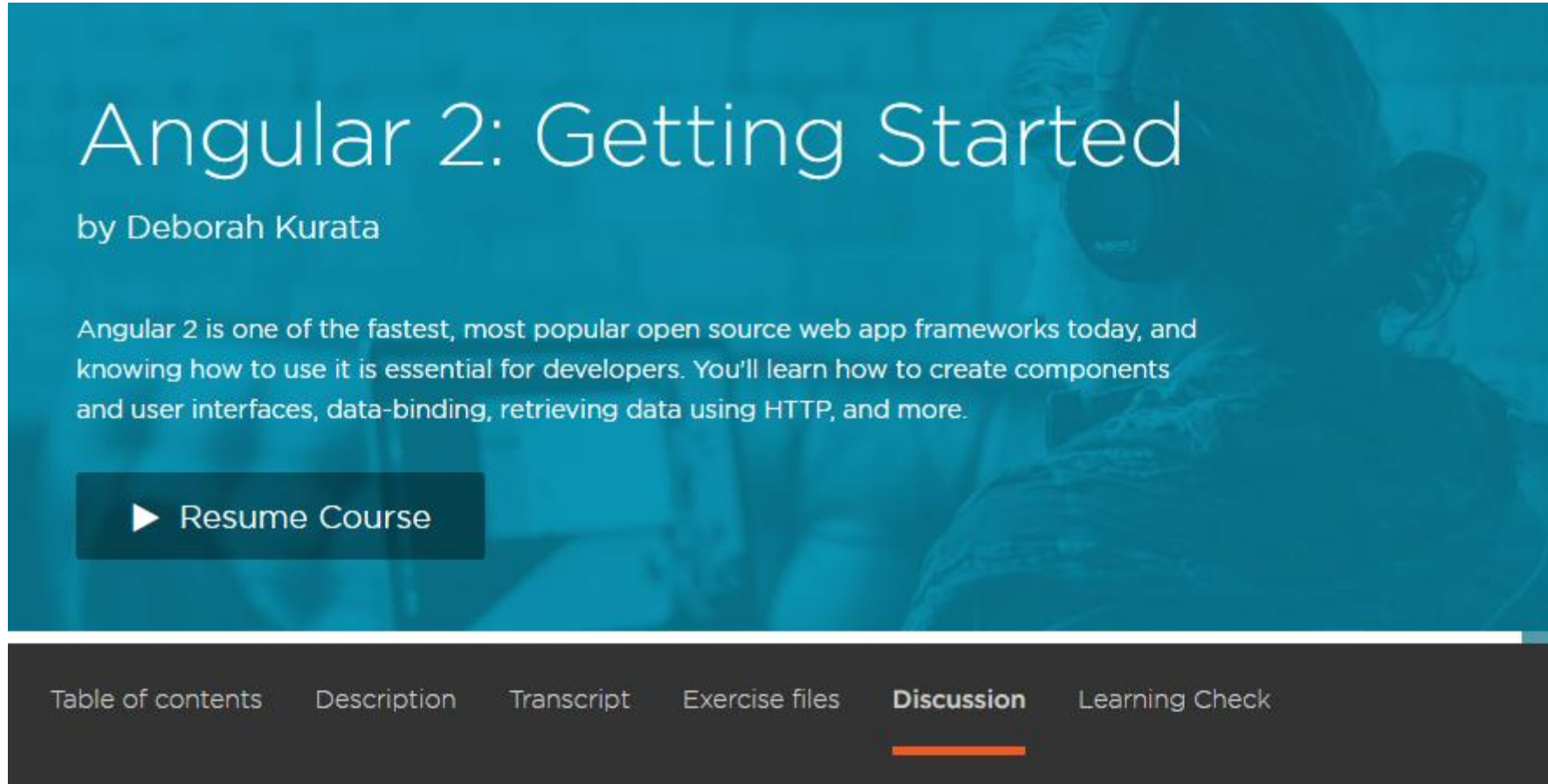
- Object-oriented programming (OOP) concepts
- C++, C#, Java, ...

Not Required

- Prior knowledge of Angular
- Prior knowledge of TypeScript



Thoughts? Comments? Questions?



Angular 2: Getting Started

by Deborah Kurata

Angular 2 is one of the fastest, most popular open source web app frameworks today, and knowing how to use it is essential for developers. You'll learn how to create components and user interfaces, data-binding, retrieving data using HTTP, and more.

▶ Resume Course

Table of contents Description Transcript Exercise files **Discussion** Learning Check

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Blog Post

<http://blogs.msmvps.com/deborahk/angular-2-getting-started-problem-solver/>



Checklist



Review module concepts

Code along assistance

Revisit as you build



GitHub Repository

The screenshot shows the GitHub interface for the repository 'DeborahK / Angular2-GettingStarted'. At the top, there's a navigation bar with the repository name, a search bar, and links for 'Pull requests', 'Issues', and 'Gist'. Below this, the repository name is displayed along with statistics: 70 Unwatch, 291 Star, and 417 Fork. A secondary navigation bar includes links for 'Code', 'Issues 1', 'Pull requests 0', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The main content area shows 'Sample Angular 2 application — Edit' and a progress bar with metrics: 105 commits, 2 branches, 0 releases, and 3 contributors. Below the progress bar are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. A commit history section shows the latest commit by DeborahK: 'Fix Minor formatting' 3 days ago. Below this, a table lists recent file changes:

.vscode	Updated the settings.	20 days ago
APM - Final	Renamed the APM folder for clarity	15 hours ago
APM - Start	Adjustments to the starter files.	18 hours ago

<https://github.com/DeborahK/Angular2-GettingStarted>

Angular2-Getting Started



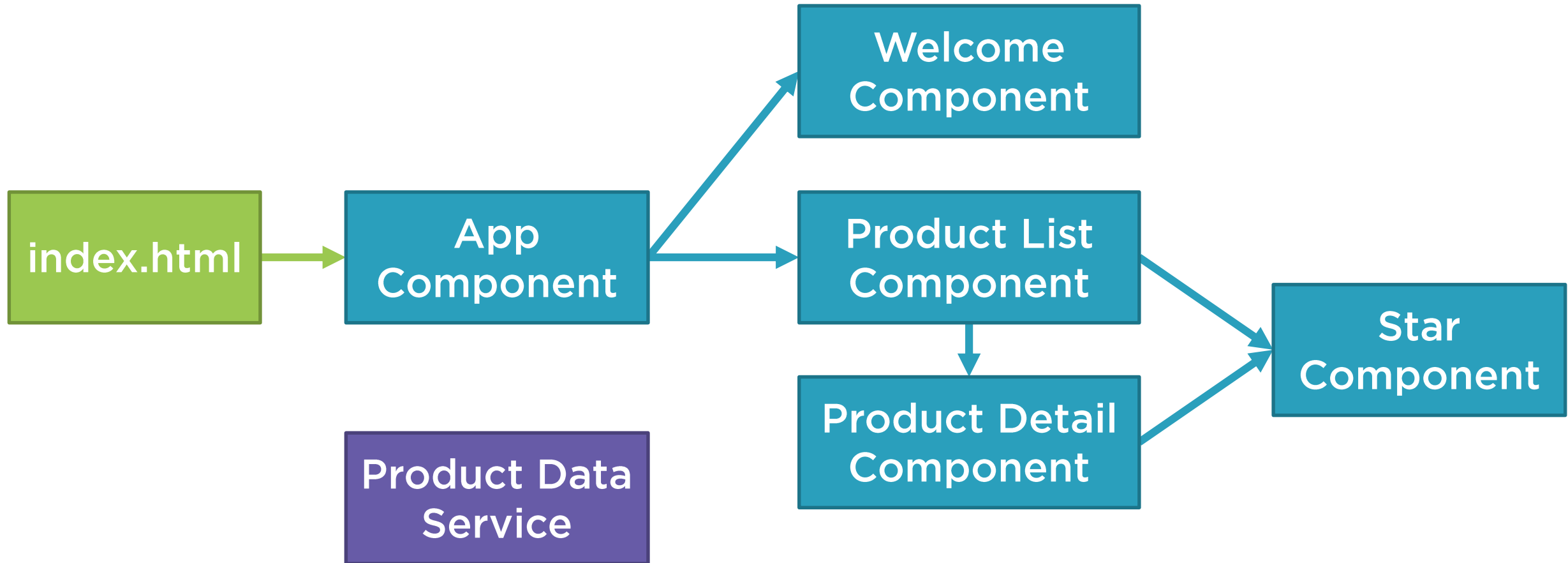
Demo



Sample Application in Action



Sample Application Architecture



Course Outline



First Things First

Introduction to Components

Templates, Interpolation, and Directives

Data Binding & Pipes

More on Components

Building Nested Components

Services and Dependency Injection

Retrieving Data Using Http

Navigation and Routing

Angular Modules

