Angular Building Blocks

Presented by

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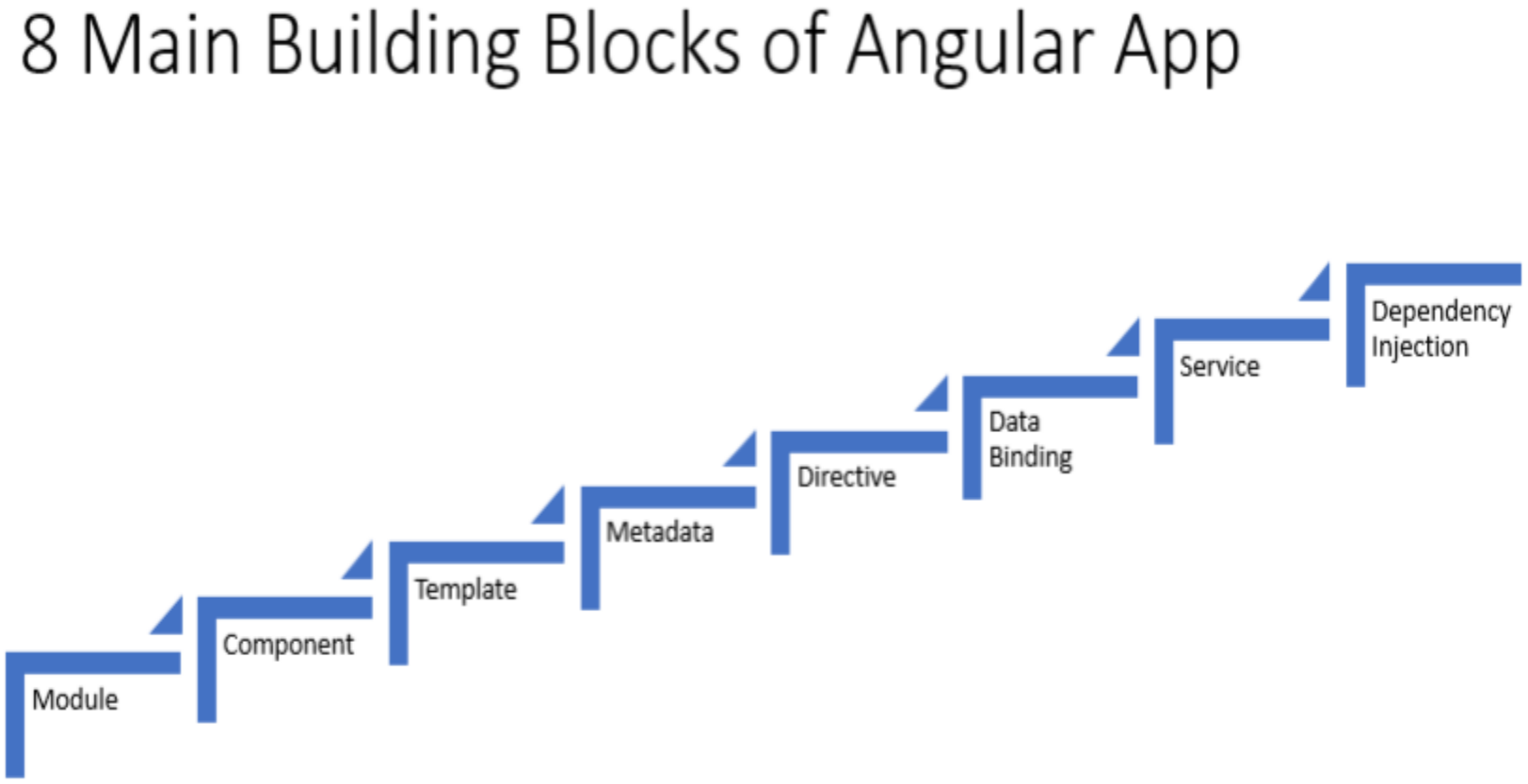
Angular Building Blocks



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Module

The angular app has its own modularity system called the Angular Module of NgModule . Every Angular app has at least one module known as root module.

Component

The component is a controller class that encapsulates the view and the logic. The component class interacts with the view using the built-in API's.

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Template

The component's view can be defined by templates. Templates are HTML's that controls how things should be structured on the screen.

Metadata

Metadata is data about data. In Angular, metadata informs the Angular run time on how to process a class. The class case is the @Component decorator which identifies the class immediately below it as the component class.

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Directives

A Directive is a class with @Directive decorator. So, technically a component is a directive with a template. There are two types of directives. Structural and Attribute directive.

Data Binding

Data binding binds the template and its component with the required data. So, we have interpolation, property binding, event binding and two-way binding (ngModel directive)

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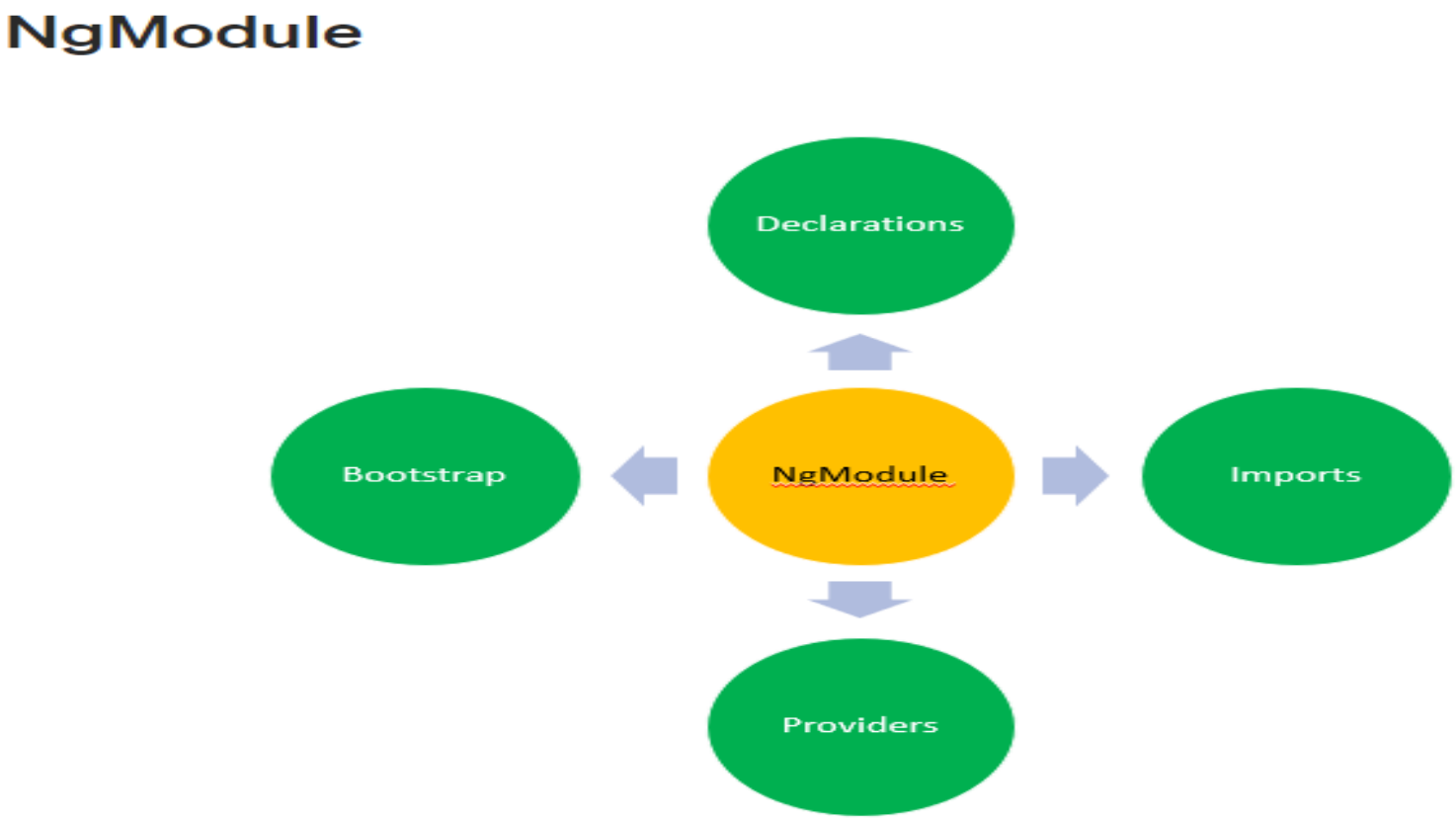
Services

Services are JavaScript functions designed to do specific tasks. It is a class that can perform certain activities like logging, data service, caching, configuration, etc. There is no service base class but it is one of the fundamental aspects of Angular Apps.

Dependency Injection

DI is a way to supply the instance of a class with fully form dependencies to other class/components. It's one of the core features which keeps your angular apps loosely coupled.

NgModule


NgModule
Declarations
Bootstrap
NgModule
Imports
Providers

NgModule …

The NgModule properties for the minimum "AppModule" generated by the CLI are as follows.

- declarations- The components, *directives*, and *pipes* that belong to this NgModule.
- exports: The subset of declarations that should be visible and usable in the *component templates* of other NgModules.
- imports — Every application must import BrowserModule to run the app in a browser. Other modules whose exported classes are needed by component templates are declared in *this* NgModule.
- providers — Required for service registration
- bootstrap — The main application view, called the *root component*, which hosts all other app views. Only the *root NgModule* should set the bootstrap property. This is the root App Component that Angular creates and inserts into the DOM(index.html).

return
THANK YOU
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