For this discussion post I would like to discuss Angular modules. I will discuss what they are and how and how they work. So, what are modules in Angular?

“Angular applications are modular and Angular has its own modularity system called NgModules. NgModules are containers for a cohesive block of code dedicated to an application domain, a workflow, or a closely related set of capabilities. They can contain components, service providers, and other code files whose scope is defined by the containing NgModule. They can import functionality that is exported from other NgModules, and export selected functionality for use by other NgModules. Every Angular application has at least one NgModule class, [theroot module](https://angular.io/guide/bootstrapping), which is conventionally named AppModule and resides in a file named app.module.ts. You launch your application by bootstrapping the root NgModule. While a small application might have only one NgModule, most applications have many more feature modules. The root NgModule for an application is so named because it can include child NgModules in a hierarchy of any depth.” (*Angular*, n.d.)

“An NgModule is defined as a class decorated with @NgModule. The @NgModule decorator is a function that takes a single metadata object, whose properties describe the module. The most important properties 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—Other modules whose exported classes are needed by component templates declared in this NgModule.
* providers—Creators of services that this NgModule contributes to the global collection of services; they become accessible in all parts of the app. (You can also specify providers at the component level, which is often preferred.)
* bootstrap—The main application view, called the root component, which hosts all other app views. Only the root NgModule should set this bootstrap property.”

(Sandeep, 2020)

“It can be said that an Angular application is the tree to component and these component are further enabled to add behavior to UI through services, pipes, directives, dependency injection, and modules are logical unit of a big application, many modules are tied together to build a robust Angular Application. For some core and basic functionality angular provides us with some build in modules, pipes and directive and we can also create our own building blocks and tie them together to build an enterprise level application. So in nutshell Angular Application Works as a component of trees tied together to build module and an enterprise level Angular Application.” (Pedamkar, 2021).

References:

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