**MODULES**

**Types**

**Domain:** Wraps up all the components needed to implement one single feature

**Routed:** Same as a Domain module, but these components are tied to routes (only displayed when the user is at some particular address)

**Routing:** Defines routing rules (eg. Show a specific component when a user is at a specific route)

**Service:** Defines services that will be used in multiple parts of the app

**Widget:** Defines some reusable components that will be used in multiple other modules

**NEW MODULE:** ng g(enerate) n(ew) <module\_name> --routing *(specifies that the component uses a specific route)*

To generate a new component or other inside a module, **ng generate <type> <module>/<element-name>.**

**EXPORTING COMPONENTS FROM MODULES**

In order for components to be used outside a module, they need to be exported first and then imported to the other module that will use them.

1. Inside parent element, inside @NgModule settings, add:

exports: [

    ComponentToBeExported

  ]

1. Inside importing module
   1. import { ImportedModule } from './modules/moduleName/moduleName.module';
   2. add module to the imports array

**MODULE PROPERTIES**

**Declarations:** List of components, pipes, directives that are created in this module. Updated automatically when something new is generated

**Imports:** List of other modules that this module depends upon

**Exports:** List of components, pipes, directives that this module makes available to other modules

**Providers: Old** way of connecting modules and services

**Bootstrap:** Used by the AppModule only to declare what component will be displayed first