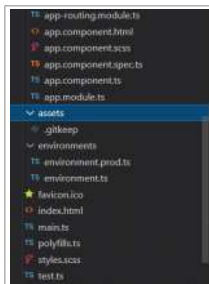


INSTALLATION & First steps:

- 1) Install NodeJS at [Download | Node.js \(nodejs.org\)](https://nodejs.org)
- 2) Open NodeJS terminal and Install Angular CLI with this command: `npm install -g @angular/cli` (Angular training board, <https://board.net/p/ng-training-sdworx-itgrads-sep2021>)
- 3) Create new project from Angular Cli using command: `ng new project-name` (Angular doc, <https://angular.io>)
- 4) There are pre-created files: `app-component.ts` and `app-component.html` etc... These represent the app component. Anything in there will be present through the whole app and also within its sub-components.

Preview:



- 5) The `app-routing.module.ts` file is where all the various components' paths are assigned.

The `app-module.ts` file is where all the imports required are listed/imported.
The `app-component.html` && `app-component.ts` file is where html tags and logical operations are filled, respectively, and these will be visible through the whole app and all its sub-components.

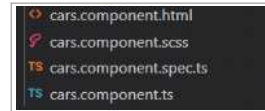
Components

Generation of a component command: `ng generate component folder-name/component-name`

What will be created?

- Command example[Cars Component]: `ng generate component components/cars`

Preview:



- These four files are generated from the above generate command.
- The `.html` file is where all the page content is added using html tags(navs, headers, footers, text, tables, forms, etc...)
- The `.scss` file is where all CSS/SCSS designing goes.
- The `.spec.ts` file is only a pre-set specifications and conditions file.
- The `.ts` file is the TypeScript file where all logical operations happen.

(AngularSandBox, VSCode)

Services

- In Angular, Services are singleton objects that are instantiated only once for the whole development process and lifetime of an application.
- They contain methods that maintain data throughout the life of an application, i.e. Data does not get refreshed and is always available all the time.
- There are two types of services:
 - 1) Built-in Services: Pre-set methods within the framework
 - 2) Custom Services: Creating own methods within a custom set service.

Generate a service using this command: `ng generate service <name> [options]`