**//Folder Structures//**

**favicon.ico** an assets are application icon and application's root asses folder.

**polyfills.ts :** Contains standard code useful for browser compability.

**environments :** foler will have the applications setting. It inclues production and development setup.

**main.ts :** file contains the startup code.

**index.html :** is the application base html code.

**styles.css :** is the base css code.

**app folder :** contain the angular application code, which will be learn elaborately in the upcoming chapters.

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1. To install the Angular CLI, open a terminal window and run the following command:

npm install -g @angular/cli

2. Creating workspace

ng new app\_name

3. Navigate to the workspace folder

cd app\_name

4. For compiling the code (Launch the server)

ng serve

5. For opening in browser

ng serve --open (--open opens the browser to http://localhost:4200)

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**COMPONENTS :**

page is application shell and controlled by AppComponent.

in src/app their we can find the implementation of the shell AppComponent distributed over three files.

app.components.ts

app.component.html

app.component.css

Changing the application Title

1. Firstly open App.component.ts and change the value of title to “something”.
2. Open App.Component.html add add <h1>{{title}} </h1>

The double curly braces are Angular's interpolation binding syntax

**Application Styles :**

Path : Src/styles.css

start application using

ng serve 🡺 for application compile

ng serve 🡺

**Creating the components**

C:\Users\hp\my-app>ng generate component heroes

app/heroes/heroes.component.ts (initial version)

content\_copyimport { [Component](https://angular.io/api/core/Component), [OnInit](https://angular.io/api/core/OnInit) } from '@angular/core';

@[Component](https://angular.io/api/core/Component)({

selector: 'app-heroes',

templateUrl: './heroes.component.html',

styleUrls: ['./heroes.component.css']

})

export class HeroesComponent implements [OnInit](https://angular.io/api/core/OnInit) {

constructor() { }

ngOnInit() {

}

}

You always import the [Component](https://angular.io/api/core/Component) symbol from the Angular core library and annotate the component class with @[Component](https://angular.io/api/core/Component).

@[Component](https://angular.io/api/core/Component) is a decorator function that specifies the Angular metadata for the component.

The CLI generated three metadata properties:

1. selector— the component's CSS element selector
2. templateUrl— the location of the component's template file.
3. styleUrls— the location of the component's private CSS styles.

The [CSS element selector](https://developer.mozilla.org/en-US/docs/Web/CSS/Type_selectors), 'app-heroes', matches the name of the HTML element that identifies this component within a parent component's template.

The ngOnInit() is a [lifecycle hook](https://angular.io/guide/lifecycle-hooks#oninit). Angular calls ngOnInit() shortly after creating a component. It's a good place to put initialization logic.

Always export the component class so you can import it elsewhere ... like in the AppModule.

Bootstrap Installation

1. Npm install bootstrap@3 –save
2. Add reference to cli configuration file which is : .angular-cli.json

In “styles” attribute.