**Angular 4 - CLI**

**Installation**

Requirements

* Node Js (Latest Version, Doesn’t work on older version)
* NPM Latest Version

On Command Prompt

* Npm install –g @angular/cli (Install angular 4 cli)
* ng new Project\_Name (Creates new angular 4 project )
* cd Project\_Name (Go into project folder)
* ng serve --port 8089 (Starts server at 8089 port)
* ng –v (To check angular version)

Add Bootstrap

* npm install --save bootstrap (Add bootstrap if required)
* .angular-cli.json change “styles” to

"styles": [

"../node\_modules/bootstrap/dist/css/bootstrap.min.css",

"styles.css"

]

Or

* npm install --save @ng-bootstrap/ng-bootstrap
* Add the lines in index.html

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstrap.min.css" />

<meta name="viewport" content="width=device-width, initial-scale=1">

* In app.module.ts

import {NgbModule} from '@ng-bootstrap/ng-bootstrap';

@NgModule({

imports: […, NgbModule.forRoot()]

})

**Important Informations**

For more info: [**https://ng-bootstrap.github.io/#/getting-started**](https://ng-bootstrap.github.io/#/getting-started)

For Bootstrap 4 : [**http://www.quackit.com/bootstrap/bootstrap\_4/tutorial/**](http://www.quackit.com/bootstrap/bootstrap_4/tutorial/)

**NB: Typescript only uses single quotes for string not double quotes**

**Creating Component (WITHOUT CLI)**

* Create folder inside app folder E.g. navbar
* Create ts, html and css files navbar.component.ts, navbar.component.html, navbar.component.css
* Inside **navbar.component.ts**

import { Component } from '@angular/core';

Imports Component from angular/core package

* + Add Component tag

@Component({

selector: 'app-navbar',

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

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

})

* Selector should be unique and used to refer to the component
* templateUrl providespath to Url
  + Create class

export class NavbarComponent {

variableName ='Some Value';

}

**Registering Created Component In** ***app.module.ts***

* Import component

import { NavbarComponent } from './navbar/navbar.component';

* Declare Component

declarations: [

NavbarComponent,

AppComponent

]

**Creating Component (WITH CLI)**

ng generate component rightpanel

**Data Binding**

Output Binding

* String Interpolation : {{data}}
* Property binding : [property] = “data”

Input Binding

* Event Binding : (event) = “expression”

Two-way binding

* [(ngModel)] = “data”