To create component

1. To create a new angular project

ng new angular-tour-of-heroes

1. To create a new component

ng generate component heroes

1. To start the server

ng serve --open

1. To add menu component

ng add @angular/material

1. The following to be taken care the required packages to be taken in app.module.ts

import { ModuleWithProviders, NgModule} from "@angular/core";

import { MAT\_LABEL\_GLOBAL\_OPTIONS, MatNativeDateModule, MAT\_DATE\_LOCALE } from '@angular/material/core';

import { MatIconRegistry } from '@angular/material/icon';

import { MatAutocompleteModule } from '@angular/material/autocomplete';

import { MatBadgeModule } from '@angular/material/badge';

import { MatButtonModule } from '@angular/material/button';

import { MatButtonToggleModule } from '@angular/material/button-toggle';

import { MatCardModule } from '@angular/material/card';

import { MatCheckboxModule } from '@angular/material/checkbox';

import { MatChipsModule } from '@angular/material/chips';

import { MatStepperModule } from '@angular/material/stepper';

import { MatDatepickerModule } from '@angular/material/datepicker';

import { MatDialogModule } from '@angular/material/dialog';

import { MatExpansionModule } from '@angular/material/expansion';

import { MatFormFieldModule } from '@angular/material/form-field';

import { MatGridListModule } from '@angular/material/grid-list';

import { MatIconModule } from '@angular/material/icon';

import { MatInputModule } from '@angular/material/input';

import { MatListModule } from '@angular/material/list';

import { MatMenuModule } from '@angular/material/menu';

import { MatPaginatorModule } from '@angular/material/paginator';

import { MatProgressBarModule } from '@angular/material/progress-bar';

import { MatProgressSpinnerModule } from '@angular/material/progress-spinner';

import { MatRadioModule } from '@angular/material/radio';

import { MatRippleModule } from '@angular/material/core';

import { MatSelectModule } from '@angular/material/select';

import { MatSidenavModule } from '@angular/material/sidenav';

import { MatSliderModule } from '@angular/material/slider';

import { MatSlideToggleModule } from '@angular/material/slide-toggle';

import { MatSnackBarModule } from '@angular/material/snack-bar';

import { MatSortModule } from '@angular/material/sort';

import { MatTableModule } from '@angular/material/table';

import { MatTabsModule } from '@angular/material/tabs';

import { MatToolbarModule } from '@angular/material/toolbar';

import { MatTooltipModule } from '@angular/material/tooltip';

import { MatTreeModule } from '@angular/material/tree';

@NgModule({

imports: [

MatAutocompleteModule,

MatBadgeModule,

MatButtonModule,

MatButtonToggleModule,

MatCardModule,

MatCheckboxModule,

MatChipsModule,

MatStepperModule,

MatDatepickerModule,

MatDialogModule,

MatExpansionModule,

MatFormFieldModule,

MatGridListModule,

MatIconModule,

MatInputModule,

MatListModule,

MatMenuModule,

MatPaginatorModule,

MatProgressBarModule,

MatProgressSpinnerModule,

MatRadioModule,

MatRippleModule,

MatSelectModule,

MatSidenavModule,

MatSliderModule,

MatSlideToggleModule,

MatSnackBarModule,

MatSortModule,

MatTableModule,

MatTabsModule,

MatToolbarModule,

MatTooltipModule,

MatTreeModule,

MatNativeDateModule

],

exports: [

MatAutocompleteModule,

MatBadgeModule,

MatButtonModule,

MatButtonToggleModule,

MatCardModule,

MatCheckboxModule,

MatChipsModule,

MatStepperModule,

MatDatepickerModule,

MatDialogModule,

MatExpansionModule,

MatFormFieldModule,

MatGridListModule,

MatIconModule,

MatInputModule,

MatListModule,

MatMenuModule,

MatPaginatorModule,

MatProgressBarModule,

MatProgressSpinnerModule,

MatRadioModule,

MatRippleModule,

MatSelectModule,

MatSidenavModule,

MatSliderModule,

MatSlideToggleModule,

MatSnackBarModule,

MatSortModule,

MatTableModule,

MatTabsModule,

MatToolbarModule,

MatTooltipModule,

MatTreeModule,

MatNativeDateModule

],

providers: [

]

})

<https://stackoverflow.com/questions/58594311/angular-material-index-d-ts-is-not-a-module>

1. Creating charts using [Chart.Js](https://www.chartjs.org/)

Charts exclusively for Angular is **ng2-charts,** It helps to create eye-catching charts in Angular with the help of Chart.js.

<https://www.positronx.io/angular-chart-js-tutorial-with-ng2-charts-examples/>

npm install ng2-charts chart.js --save

1. To create service

ng generate service createscheme/services/createscheme

Sample forms

https://www.w3docs.com/learn-html/html-form-templates.html

<https://templated.co/hielo>

For tree structure

<http://angular-ui-tree.github.io/angular-ui-tree/#/basic-example>

<https://www.npmjs.com/package/ngx-treeview>

<https://js.devexpress.com/Demos/WidgetsGallery/Demo/TreeView/FlatDataStructure/Angular/Light/>

To install bootstrap

npm install bootstrap@4