ANGULAR

STEPS AND STRUCTURE OF THE ANGULAR

1.APP-ROUTING.MODULES.TS------NAV BAR

2.APP.COMPONENT.CSS-------UI

3.APP.COMPONENT.HTML-------UI

4. APP.COMPONENT.SPEC.TS------JUNIT FOR TESTING

5.APP.COMPONENT.TS----------LOGIC

6.APP.MODULE.TS----------LIKE PACKAGE CONSISTS OF MANY COMPONENTS

ANGULAR STRUCTURE:

1.ANGULAR

2..VSCODE

3.NODE\_MODULES-🡪FOR BOOTSTRAP SELECTION

4.PUBLIC -- HERE WE WILL SAVE THE IMAGES AUDIO AND VIDEO RELATED

5.SRC

APP

IN THIS ONLY THESE ALL HTML, CSS, TS, ALL FILES WILL BE

INDEX.HTML-------USED FOR WHOLE PROJECT CHANGES

MAIN.TS

STYLES.CSS------USED FOR STYLING BACKGROUNDS AND ALL

6.ANGULAR.JSON----- THIS IS USED FOR GIVING THE PATH TO THE BOOTSTRAP THAT WE INSTALLED

COMPONENT -🡪 IT IS COMBINATION OF THE UI AND LOGIC

1. APP-ROUTING.MODULES.TS
2. import { NgModule } from '@angular/core';
3. import { RouterModule, Routes } from '@angular/router';
4. const routes: Routes = [];
5. @NgModule({
6. imports: [RouterModule.forRoot(routes)],
7. exports: [RouterModule]
8. })
9. export class AppRoutingModule { }

2. APP.COMPONENT.CSS

h1{

    color:rgb(151, 4, 151);

    background-color: rgb(68, 194, 72);

    font-style:italic;

    font-size: 20px;

}

3. APP.COMPONENT.HTML

<h1> Bootstrap installation...</h1>

<button class="btn btn-outline-warning">Bootstrap installed...</button>

4.APP.COMPONENT.SPEC.TS

import { TestBed } from '@angular/core/testing';

import { RouterModule } from '@angular/router';

import { AppComponent } from './app.component';

describe('AppComponent', () => {

  beforeEach(async () => {

    await TestBed.configureTestingModule({

      imports: [

        RouterModule.forRoot([])

      ],

      declarations: [

        AppComponent

      ],

    }).compileComponents();

  });

  it('should create the app', () => {

    const fixture = TestBed.createComponent(AppComponent);

    const app = fixture.componentInstance;

    expect(app).toBeTruthy();

  });

  it(`should have as title 'myapp1'`, () => {

    const fixture = TestBed.createComponent(AppComponent);

    const app = fixture.componentInstance;

    expect(app.title).toEqual('myapp1');

  });

  it('should render title', () => {

    const fixture = TestBed.createComponent(AppComponent);

    fixture.detectChanges();

    const compiled = fixture.nativeElement as HTMLElement;

    expect(compiled.querySelector('h1')?.textContent).toContain('Hello, myapp1');

  });

});

5. APP.COMPONENT.TS

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

@Component({

  selector: 'app-root',

  templateUrl: '',

  standalone: false,

  styleUrl: './app.component.css'

})

export class AppComponent {

  title = 'myapp1';

}

6. APP.MODULE.TS

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

import { BrowserModule } from '@angular/platform-browser';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

@NgModule({//'@' is called a decorator, i.e., extra information about anything

  declarations: [

    AppComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

STYLES.CSS

/\* You can add global styles to this file, and also import other style files \*/

body{

    background-image: url('../public/cutepie.jpg');

    background-repeat: no-repeat;

    background-size: 100% 100vh;

}

ANGULAR.JSON

{

  "$schema": "./node\_modules/@angular/cli/lib/config/schema.json",

  "version": 1,

  "newProjectRoot": "projects",

  "projects": {

    "myapp1": {

      "projectType": "application",

      "schematics": {

        "@schematics/angular:component": {

          "standalone": false

        },

        "@schematics/angular:directive": {

          "standalone": false

        },

        "@schematics/angular:pipe": {

          "standalone": false

        }

      },

      "root": "",

      "sourceRoot": "src",

      "prefix": "app",

      "architect": {

        "build": {

          "builder": "@angular-devkit/build-angular:application",

          "options": {

            "outputPath": "dist/myapp1",

            "index": "src/index.html",

            "browser": "src/main.ts",

            "polyfills": [

              "zone.js"

            ],

            "tsConfig": "tsconfig.app.json",

            "assets": [

              {

                "glob": "\*\*/\*",

                "input": "public"

              }

            ],

            "styles": [

              "src/styles.css",

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

            ],

            "scripts": []

          },

          "configurations": {

            "production": {

              "budgets": [

                {

                  "type": "initial",

                  "maximumWarning": "500kB",

                  "maximumError": "1MB"

                },

                {

                  "type": "anyComponentStyle",

                  "maximumWarning": "4kB",

                  "maximumError": "8kB"

                }

              ],

              "outputHashing": "all"

            },

            "development": {

              "optimization": false,

              "extractLicenses": false,

              "sourceMap": true

            }

          },

          "defaultConfiguration": "production"

        },

        "serve": {

          "builder": "@angular-devkit/build-angular:dev-server",

          "configurations": {

            "production": {

              "buildTarget": "myapp1:build:production"

            },

            "development": {

              "buildTarget": "myapp1:build:development"

            }

          },

          "defaultConfiguration": "development"

        },

        "extract-i18n": {

          "builder": "@angular-devkit/build-angular:extract-i18n"

        },

        "test": {

          "builder": "@angular-devkit/build-angular:karma",

          "options": {

            "polyfills": [

              "zone.js",

              "zone.js/testing"

            ],

            "tsConfig": "tsconfig.spec.json",

            "assets": [

              {

                "glob": "\*\*/\*",

                "input": "public"

              }

            ],

            "styles": [

              "src/styles.css"

            ],

            "scripts": []

          }

        }

      }

    }

  }

}

PUBLIC

FAVICON.ICO

HERE WHATEVER THE IMAGES THAT ARE USEFUL FOR THE PROJECT AND ALL WE SAVE HERE.