

Installation

| | |
|-----------------|--------------------------------------|
| pre-requirement | NodeJS, npm, AngularCLI, IDE |
| update | ng update @angular/cli @angular/core |
| version check | node -v && npm -v && ng version |

Project Setup

| | |
|----------------|-------------------------------------|
| creating app | ng new my-app |
| app folder | cd my-app |
| run app | ng serve |
| run app custom | ng serve --host 0.0.0.0 --port 4205 |

Angular



app/ Structure

| | |
|-----------------------|---|
| app.module.ts | explain the usage of the libraries. They are imported and saved into variables such as declarations, imports, providers, and bootstrap. |
| app.component.html | html code for the app is in this file. |
| app.component.spec.ts | contain unit tests for source component. |
| app.component.ts | class for the component is defined. do the processing of the html structure in the .ts file. |
| app-routing.module.ts | deal with the routing. connected with the main module, app.module.ts. |

src/ Structure

| | |
|--------------------|--|
| app/ | application folder that stores components of the application. |
| assets/ | images, js files |
| environment/ | details of whether the final file should be compiled in the production environment or the dev environment. |
| index.html | file which is displayed in the browser. |
| main.ts | importing the basic modules and setup. |
| polyfills.ts | used for backward compatibility. |
| test.ts | unit test cases for testing the project will be handled. |
| styles.css | style file required for the project. |
| favicon.ico | site icon file |
| tsconfig.app.json | config details that need to be used to run the application. |
| tsconfig.spec.json | helps maintain the details for testing. |
| typings.d.ts | manage the Typescript definition. |



By **KNIGHT BLOOD**
(spagusess)
cheatography.com/spagusess/blackvisionlab.com

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Folder Structure

| | |
|---------------|--|
| e2e/ | end to end test folder. Mainly e2e is used for integration testing and helps ensure the application works fine. |
| node_modules/ | the npm package installed node_modules. Stores packages available. |
| src/ | folder where work on the project.app/ folder created during the project setup and holds all the required files required for the project. |
| angular.json | holds the project name, version of cli, etc. |
| .editorconfig | config file for the editor |
| .gitignore | file should be committed into the repository, in order to share the ignore rules with any other users that clone the repository. |
| package.json | file tells which libraries will be installed into node_modules when you run npm install. |
| tsconfig.json | contains the compiler options required during compilation. |
| tslint.json | config file with rules to be considered while compiling. |



By **KNiGHT BLOOD**
(spagusess)
cheatography.com/spagusess/
blackvisionlab.com

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