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# Tutorial And Example

A Tutorial Website with Real Time Examples

## Angular 8 with Bootstrap

July 13, 2019



### How to install Bootstrap for Angular?



Run the following Command in Command prompt.

```
npm install--save  
bootstrap@3= > The @3 is essential!
```

```
MINGW64:/c:/Users/javaTpoint/Desktop/myfirstangular8app  
javaTpoint@DESKTOP-1CC00DQ MINGW64 ~/Desktop/myfirstangular8app (master)  
$ npm install --save bootstrap@3  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules\webpack-dev-server\node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules\webpack\node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})  
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npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.0.7 (node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.0.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
```



```
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules\kar  
ma\node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@  
1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}  
)  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.9 (node_modules\@an  
gular\compiler-cli\node_modules\fsevents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@  
1.2.9: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}  
)  
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.0.7 (node_modules\fse  
vents):  
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@  
2.0.7: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"}  
)  
  
+ bootstrap@3.4.1  
added 1 package from 1 contributor and audited 17111 packages in 21.502s  
found 0 vulnerabilities  
  
javaTpoint@DESKTOP-1CC00DQ MINGW64 ~/Desktop/myfirstangular8app (master)  
$ |
```

After that, when we use a project created with Angular CLI 6+, we will have an angular.json file instead of a **angular-cli.json** file. In that file, we need to add Bootstrap to the **styles[]** array, but the path should be **node\_modules/bootstrap/dist/css/bootstrap.min.css**, **NOT ../node\_modules/bootstrap/dist/css/bootstrap.min.css**. The leading **../** must not be included.



```
MINGW64:/c/Users/javaTpoint/Desktop/myfirstangular8app
javaTpoint@DESKTOP-1CC00DQ MINGW64 ~/Desktop/myfirstangular8app (master)
$ ng v

Angular CLI: 8.1.0
Node: 12.6.0
OS: win32 x64
Angular: 8.1.0
... animations, cli, common, compiler, compiler-cli, core, forms
... language-service, platform-browser, platform-browser-dynamic
... router

Package                                  Version
-----
@angular-devkit/architect                0.801.0
@angular-devkit/build-angular            0.801.0
@angular-devkit/build-optimizer          0.801.0
@angular-devkit/build-webpack            0.801.0
```

Here, we are using the Angular 8.1.0 version.

## Process of adding a bootstrap.css file in the Project

Expand node module (library root folder)





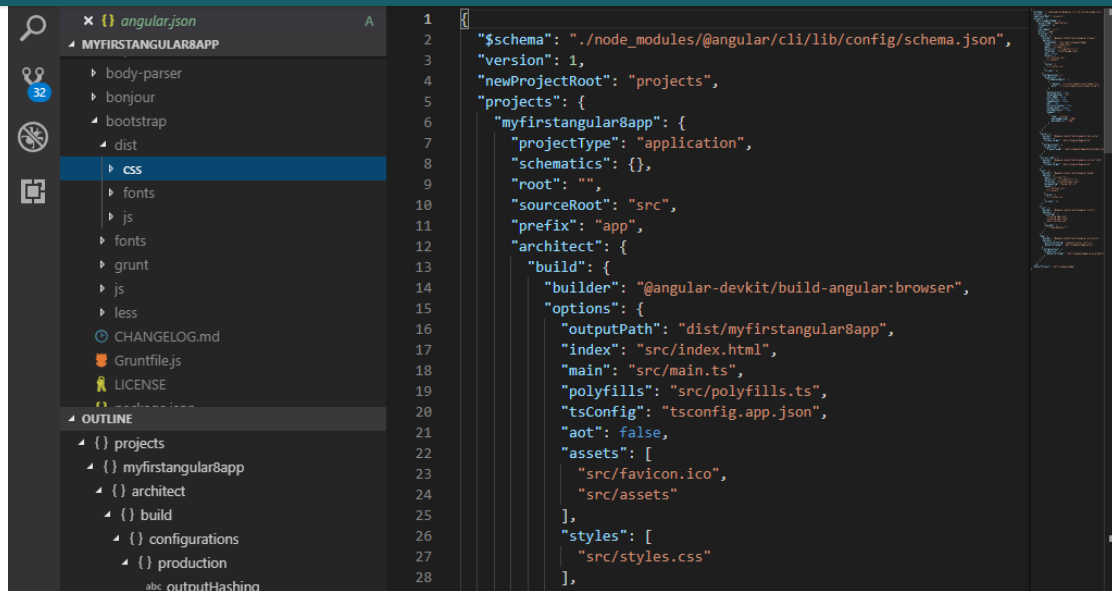
```
{
  "name": "myfirstangular8app",
  "version": "0.0.0",
  "scripts": {
    "ng": "ng",
    "start": "ng serve",
    "build": "ng build",
    "test": "ng test",
    "lint": "ng lint",
    "e2e": "ng e2e"
  },
  "private": true,
  "dependencies": {
    "@angular/animations": "~8.1.0",
    "@angular/common": "~8.1.0",
    "@angular/compiler": "~8.1.0",
    "@angular/core": "~8.1.0",
    "@angular/forms": "~8.1.0",
    "@angular/platform-browser": "~8.1.0",
    "@angular/platform-browser-dynamic": "~8.1.0",
    "@angular/router": "~8.1.0",
    "bootstrap": "^3.4.1",
    "rxjs": "~6.4.0",
    "tslib": "^1.9.0",
    "zone.js": "~0.9.1"
  },
  "devDependencies": {
    "@angular-devkit/build-angular": "~0.801.0",
    "angular-cli": "~1.0.0",
    "typescript": "~3.2.1"
  }
}
```

Go to the bootstrap folder and expand it.

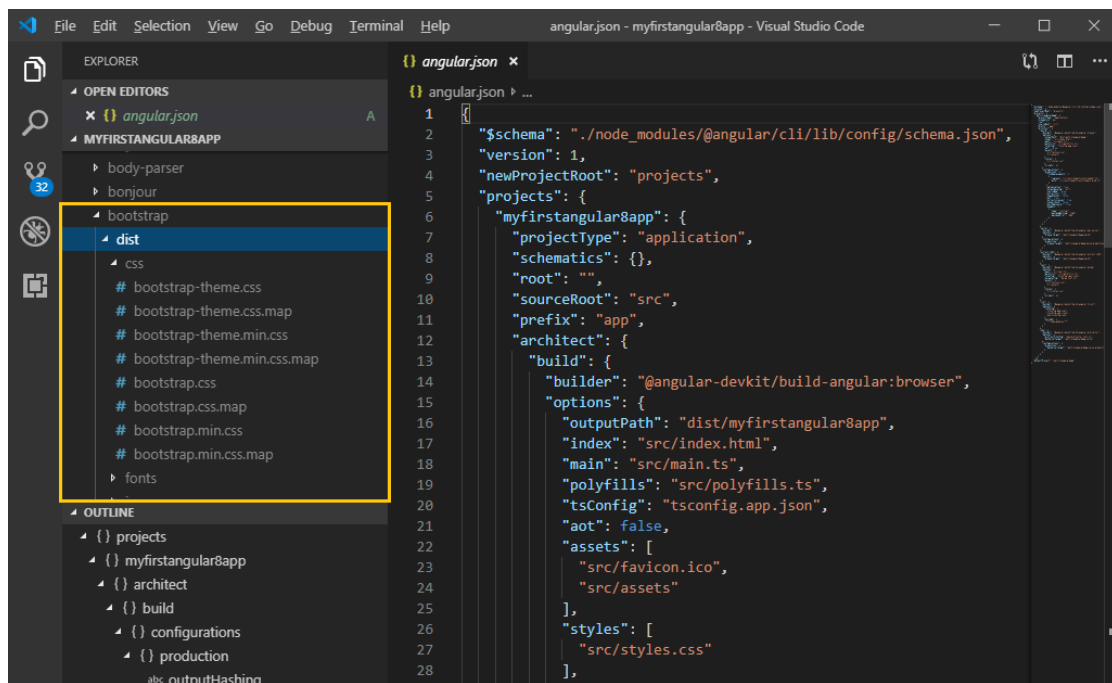
```
{
  "$schema": "./node_modules/@angular/cli/lib/config/schema.json",
  "version": 1,
  "newProjectRoot": "projects",
  "projects": {
    "myfirstangular8app": {
      "projectType": "application",
      "schematics": {},
      "root": "",
      "sourceRoot": "src",
      "prefix": "app",
      "architect": {
        "build": {
          "builder": "@angular-devkit/build-angular:browser",
          "options": {
            "outputPath": "dist/myfirstangular8app",
            "index": "src/index.html",
            "main": "src/main.ts",
            "polyfills": "src/polyfills.ts",
            "tsConfig": "tsconfig.app.json",
            "aot": false,
            "assets": [
              "src/favicon.ico",
              "src/assets"
            ],
            "styles": [
              "src/styles.css"
            ]
          }
        }
      }
    }
  }
}
```

Go to dist folder and expand it.





Expand CSS, and we will find **"bootstrap.css."** Expand bootstrap.css, and we will see **bootstrap.min.css**



Open angular.js file and bootstrap.min.css in the style section.

```
"styles" : [  
  "node_modules/bootstrap/dist/css/bootstrap.min.css",  
  "src/styles.css"  
],
```

Bootstrap is installed for your Angular 8 project. We can use it now.