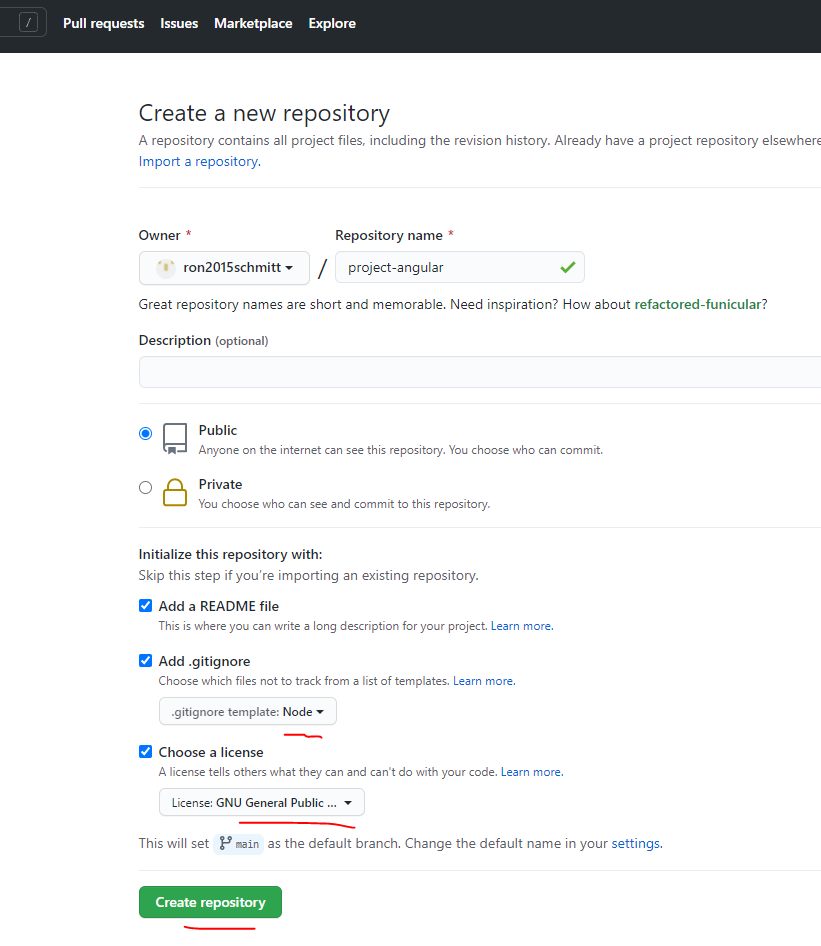
**Create repo on github**



git clone <https://github.com/ron2015schmitt/project-angular.git>

**Chap 6 Project Start up and First APP**

(download and install NodeJS)

cd project-angular/

npm install -g @angular/cli@latest

create an angular project (ng is the CLI for Angular)

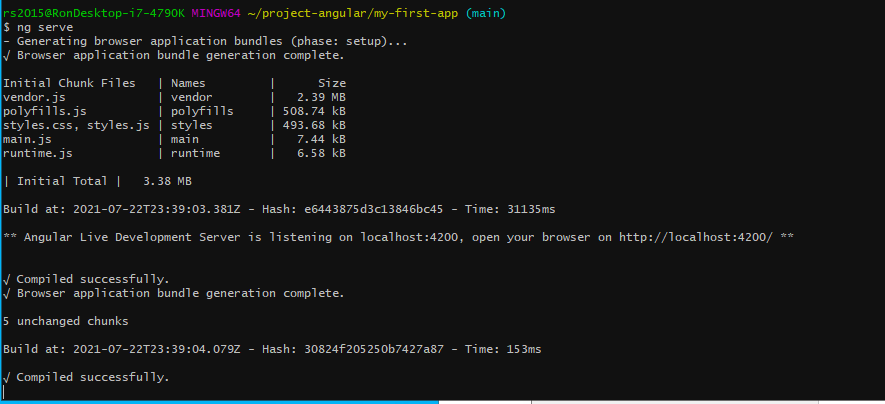
ng new my-first-app --no-strict

Now run angular on the project

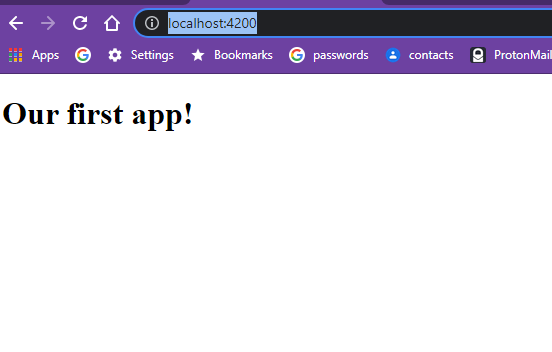
Cd my-first-app

ng serve

eventually, after about a minute, it should finish compiling:



Type <http://localhost:4200/> in chrome and the following web page should appear (Angular is acting as the server)



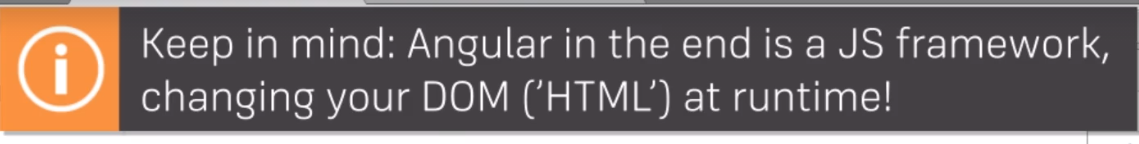
**Chap 12 A Basic Project Using Bootstrap for Styling**

Now install bootstrap 3

npm install --save bootstrap@3

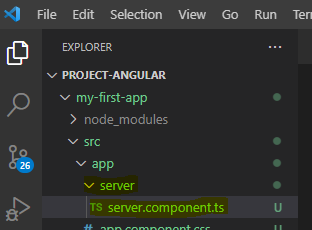
add bootstrap to the project json

|  |
| --- |
| my-first-app\angular.json |
| {    "$schema": "./node\_modules/@angular/cli/lib/config/schema.json",    "version": 1,    "newProjectRoot": "projects",    "projects": {      "my-first-app": {        "projectType": "application",        "schematics": {},        "root": "",        "sourceRoot": "src",        "prefix": "app",        "architect": {          "build": {            "builder": "@angular-devkit/build-angular:browser",            "options": {              "outputPath": "dist/my-first-app",              "index": "src/index.html",              "main": "src/main.ts",              "polyfills": "src/polyfills.ts",              "tsConfig": "tsconfig.app.json",              "assets": [                "src/favicon.ico",                "src/assets"              ],              "styles": [                "node\_modules/bootstrap/dist/css/bootstrap.min.css",                "src/styles.css"              ],              "scripts": []            },            "configurations": {              "production": {                "budgets": [                  {                    "type": "initial",                    "maximumWarning": "2mb",                    "maximumError": "5mb"                  },                  {                    "type": "anyComponentStyle",                    "maximumWarning": "6kb",                    "maximumError": "10kb"                  }                ],                "fileReplacements": [                  {                    "replace": "src/environments/environment.ts",                    "with": "src/environments/environment.prod.ts"                  }                ],                "outputHashing": "all"              },              "development": {                "buildOptimizer": false,                "optimization": false,                "vendorChunk": true,                "extractLicenses": false,                "sourceMap": true,                "namedChunks": true              }            },            "defaultConfiguration": "production"          },          "serve": {            "builder": "@angular-devkit/build-angular:dev-server",            "configurations": {              "production": {                "browserTarget": "my-first-app:build:production"              },              "development": {                "browserTarget": "my-first-app:build:development"              }            },            "defaultConfiguration": "development"          },          "extract-i18n": {            "builder": "@angular-devkit/build-angular:extract-i18n",            "options": {              "browserTarget": "my-first-app:build"            }          },          "test": {            "builder": "@angular-devkit/build-angular:karma",            "options": {              "main": "src/test.ts",              "polyfills": "src/polyfills.ts",              "tsConfig": "tsconfig.spec.json",              "karmaConfig": "karma.conf.js",              "assets": [                "src/favicon.ico",                "src/assets"              ],              "styles": [                "src/styles.css"              ],              "scripts": []            }          }        }      }    },    "defaultProject": "my-first-app"  } |

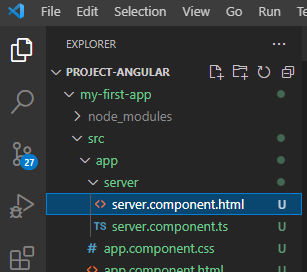


**Chap 17 Creating a component**

Add a folder and file as shown below



Create a blank file as shown below



Enter file contents for the

See above, we are in Chap 12