Front-End Setup

Learn how to install Angular 4 on your local machine!

WE'LL COVER THE FOLLOWING ^

- Installing Angular-cli
- Running Angular-cli
- Running GitHub Code

Installing Angular-cli

For our front-end part of the application, we used Angular 4. This is a JavaScript platform, like the other technologies in the MEAN Stack family, that provides us an easy way to write web applications. The most common way to manipulate this framework is to use Angular Command Line Interface – Angular-CLI. One of the benefits of this tool is that, once we initialize our application with it, we can use TypeScript and have it be automatically translated to JavaScript. Installing this interface is done through npm, of course, by running the command:

```
npm install -g angular-cli
```

You may notice that -g option is used. This will install it globally so that you can use Angular-CLI options from anywhere. Next thing we want to do is to initialize our Angular 4 application. This is done by calling Angular-CLI command:

```
ng new application_name
```

Running Angular-cli

The above command will create a folder structure that will be used by our

application. To run this application, position the shell in the just created root folder of your application (cd application_name) and execute the command:

```
ng serve
```

If you followed the previous steps once you go to your browser and open localhost:4200, you will be able to see something like this:
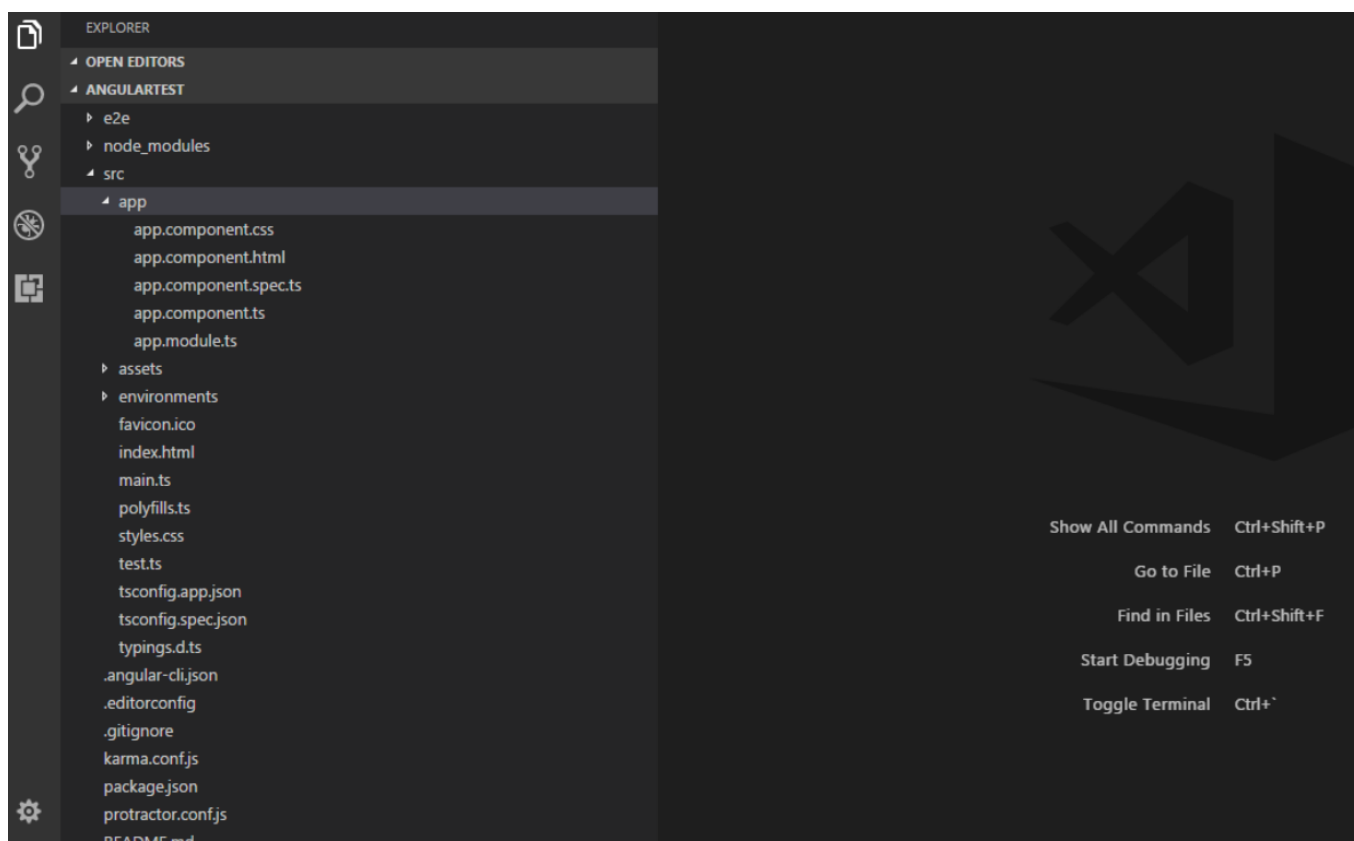

Welcome to app!

Here are some links to help you start:

- **Tour of Heroes**
- **CLI Documentation**
- **Angular blog**

That's cool; now we have running Angular frontend. Before we proceed with the installation, let's take a look at the folder structure that Angular-CLI created for us.

You can see that there is a bunch of stuff there. Most of those files are configuration files used by Webpack and Angular-CLI so, this application can run without problems.

Running GitHub Code

If you want to run the code from our github project you'll first need to clone the project repository. You can do that by running the following command:

```
git clone https://github.com/NMZivkovic/MEANStackCrashCourse
```

Next, navigate to the mean-frontend folder in the shell and run these commands:

```
npm install
ng serve
```

Once you do this, you will be able to see something like this in your browser on localhost:4200.

Now that you've learned how to set up the front-end, let's look at the setup for the back-end.