Exercise (Instructions): Getting Started with Angular

Objectives and Outcomes

In this first Angular exercise, you will first install *angular-cli*, the command line tool for scaffolding Angular applications. You will then use the tool to scaffold out a basic Angular application. We will thereafter develop this application into a full-fledged Angular application in the process of doing the exercises in this course. At the end of this exercise you will be able to:

- Install *angular-cli*
- Scaffold out a basic Angular application

Installing *Angular-CLI*

From the Angular-CLI documentation we learn that the Angular CLI makes it easy to create an application that already works, right out of the box. It already follows the best practices suggested by the Angular community!

- To install *angular-cli* globally, type the following at the prompt:

```
1   npm install -g @angular/cli
```

Use *sudo* on a Mac and Linux

- This will make the command line tool for creating Angular applications. To learn more about the various commands that this CLI provides, type at the prompt:

```
1   ng help
```

Generating and Serving an Angular Project using Angular-CLI

- At a convenient location on your computer, create a folder named *Angular* and move into that folder.

- Then type the following at the prompt to create a new Angular application named *conFusion*:

```
1   ng new conFusion -dir=<The path of your Angular folder>/conFusion --style
       =scss
```

- This should create a new folder named *conFusion* within your *Angular* folder and create the Angular application in that folder.

- Move to the conFusion folder and type the following at the prompt:

```
1   npm install
2   ng serve --open
```

- This will compile the project and then open a tab in your default browser at the address http://localhost:4200.

- You can initialize your project to be a Git repository by typing the following commands at the prompt:

```
1   git init
2   git add .
3   git commit -m "Initial Setup"
```

Note: Some of you may find that Angular CLI automatically does the first commit on your computer and initializes the Git repository. Please do a "git status" in the project folder just to check if an automatic commit has been done. This doesn't happen on my computer. Hence the above instructions.

- Thereafter you can set up an online Git repository and synchronize your project to the online repository. Make sure that the online Git repository is a ***private*** repository.

Conclusions

In this exercise you installed the Angular CLI tool and created a basic Angular project and served up the compiled project to your browser.

Mark as completed