What is Angular?

Angular is a JavaScript framework which allow you to create reactive single-page-applications.

AngularJS Vs. Angular2 Vs. Angular4

* AngularJS is a very popular JS framework
* Angular2 or just Angular is a complete rewrite of AngularJS
* Angular4 is an update on Angular2 as Angular3 escaped.

Angular CLI

* Angular CLI is a great tool for big and very big Angular projects! it allows you to focus on Angular code instead of workflow tasks.
* Angular CLI uses WebPack

Installation:

1. Updating NodeJS:

Go to nodejs.org and download the latest version - uninstall (all) installed versions on your machine first.

1. Updating npm:

Run [sudo] npm install -g npm (sudo is only required on Mac/ Linux)

1. Updating the CLI:

[sudo] npm uninstall -g angular-cli @angular/cli

npm cache clean

[sudo] npm install -g @angular/cli

Creating App & Running the Project:

1. Create App:

ng new my-first-app

1. run project:

ng serv

it will build all our source code, as angular uses typescript which will be transpiled to JS and you will see the URL that you can run the app on.

1. Editing the first App:

* I will use VS Code
* You will find e2e folder which used for end to end testing
* src folder that's when you create your project
* index.html is the single page that our app going to serve
* assets to store some static assets into your app
* environment folder used for environment variables
* We will use a features architecture and the app components is our main feature.