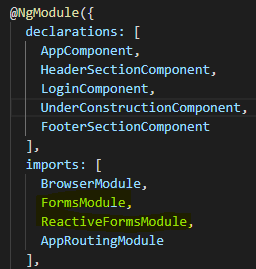
1. Adding form module

Before adding form validation you must register formsmodule and reactiveformsmodule to app.component.ts

import { FormsModule, ReactiveFormsModule } from '@angular/forms';



1. Adding css to angular 4

<https://loiane.com/2017/08/how-to-add-bootstrap-to-an-angular-cli-project/>

1. Port 4200 is already in use. Use '--port' to specify a different port

This is what I used to kill the progress on port 4200

sudo kill $(sudo lsof -t -i:4200)

You could also try this:

sudo kill `sudo lsof -t -i:4200`

For windows users:

Port number 4200 is already in use. Type below command in cmd:

netstat -a -n -o

And then, find port with port number 4200 by right click on terminal and click find, enter 4200 in "find what" and click "find next": Let say you found that port number 4200 is used by pid 18932. Type below command in cmd:

taskkill -f /pid 18932

1. Observable

<https://medium.com/@luukgruijs/understanding-creating-and-subscribing-to-observables-in-angular-426dbf0b04a3>

1. Subject

<https://medium.com/@luukgruijs/understanding-rxjs-subjects-339428a1815b>

1. Understanding rxjs BehaviorSubject, ReplaySubject and AsyncSubject

<https://medium.com/@luukgruijs/understanding-rxjs-behaviorsubject-replaysubject-and-asyncsubject-8cc061f1cfc0>

https://javascript.tutorialhorizon.com/2017/03/23/rxjs-subject-vs-observable/

1. Promise Example

<https://medium.com/@balramchavan/using-async-await-feature-in-angular-587dd56fdc77>

<https://fullstack-developer.academy/promises-in-javascript/>

|  |
| --- |
|  |
|  | |  | | --- | |  | | Declare var fetch: any; | |  | |
|  | export class PersonService { |
|  |  |
|  | async getPersonFullNameUsingAsync() { |
|  | let response = await fetch('./data/person.json'); |
|  | let person = await response.json(); |
|  | console.log(`${person.firstName} ${person.lastName}`); |
|  | } |
|  |  |
|  | async getPersonFullNameWithTryCatch() { |
|  | try { |
|  | let response = await fetch('./data/person2.json'); |
|  | let person = await response.json(); |
|  | console.log(`${person.firstName} ${person.lastName}`); |
|  | } |
|  | catch(e) { |
|  | console.log('there was an error'); |
|  | console.log(e); |
|  | } |
|  | } |
|  |  |
|  | getPersonFullNameUsingThen() { |
|  | return fetch('./data/person2.json') |
|  | .then((response: any) => { |
|  | return response.json(); |
|  | }) |
|  | .then((person: any) => { |
|  | console.log(`${person.firstName} ${person.lastName}`); |
|  | }) |
|  | .catch((e: any) => { |
|  | console.log('error') |
|  | }) |
|  | .then(() => { |
|  | console.log('finally'); |
|  | }) |
|  | } |
|  | } |

1. Importing Icons
2. **Glyphicons**

npm install --save glyphicons

## Include in your app

### require

var icons **=** require('glyphicons')

### import

import icons from 'glyphicons'

1. **Ngx-icons**

**https://www.npmjs.com/package/ngx-icons**

$ npm install --save  ngx-icons

**Import the module**

*//...*

**import** { FontAwesomeModule } **from** 'ngx-icons';

@NgModule({

*//...*

  imports: [

*//...*

    FontAwesomeModule

  ],

*//...*

})

**export** class AppModule { }

**If you're using**[Angular CLI](https://github.com/angular/angular-cli)**, add CSS to styles inside the .angular-cli.json**

"styles": [

    "styles.css",

    "../node\_modules/font-awesome/css/font-awesome.css"

],

1. Hosting angular app in iis

<https://blog.angularindepth.com/deploy-an-angular-application-to-iis-60a0897742e7>

1. the-term-ng-is-not-recognized-as-the-name-of-a-cmdlet

The first path in the path variable needs to be the NPM path. Opening the Node.js command prompt I found that the ng command worked there. I dug into the shortcut and found that it references a command to ensure the first Path variable is NPM. To Fix:

1. Right Clicked on My Computer (windows)
2. Selected Advanced System Settings
3. Clicked "Environment Variables"
4. Made the FIRST variable listed %AppData%\npm

Once I did that I was able to close powershell and reopen and all worked.