

Students Information

Name	Class ID	Email
Corey Doss	8	cjdw94@mail.umkc.edu
Khalid Dhabbah	6	kmdk2t@mail.umkc.edu

Introduction

For this lab assignment, we were tasked to create a single page to show the state and city name, and then display the weather and forecast details. We have been given references, which are JSON files in order to get the data from it. JSON file is JavaScript Object Notation which is used to get data from a server and display it in the browser.

First, we had to import HttpClientModule as a module in app.module.ts so that we could do some requests with the HttpClient library. Using this code:

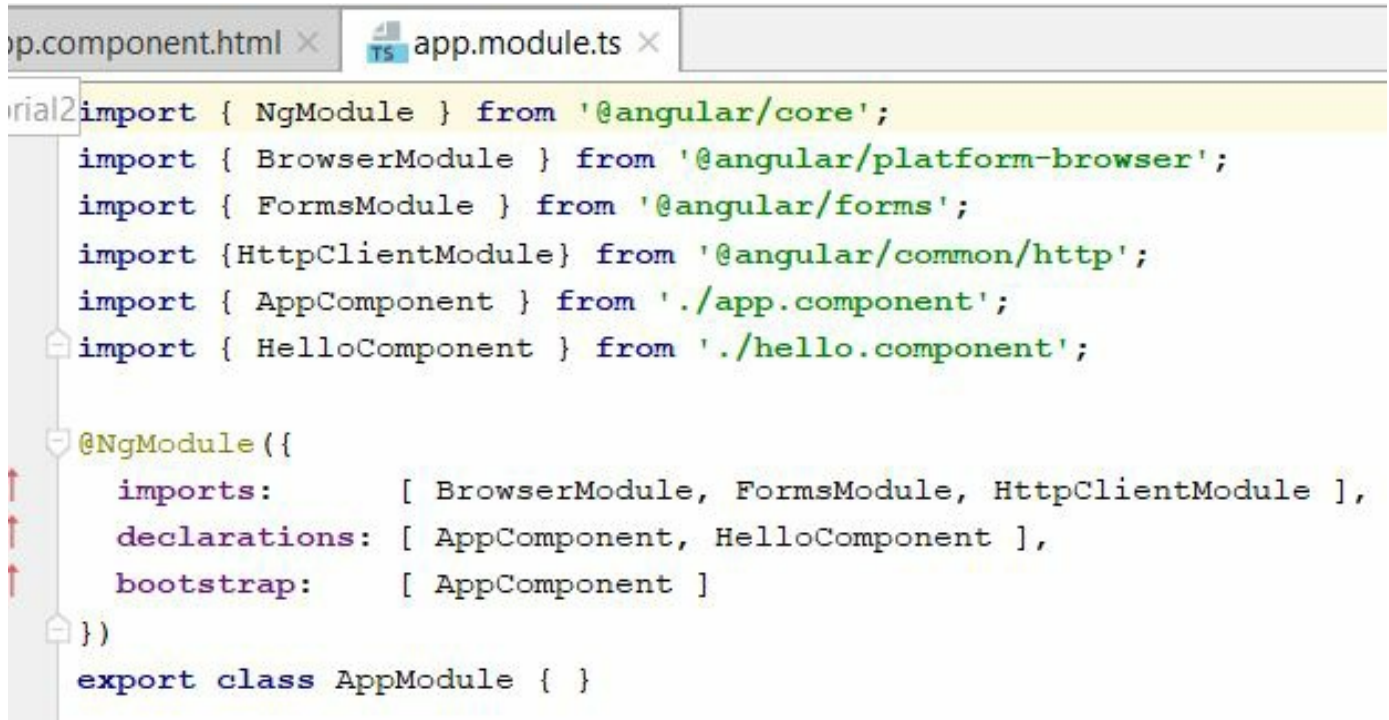
```
import {HttpClientModule} from '@angular/common/http';
```

and add it to @NgModule

```
@NgModule({  
  imports:      [ BrowserModule, FormsModule, HttpClientMo  
dule ],  
  declarations: [ AppComponent, HelloComponent ],  
  bootstrap:    [ AppComponent ]  
})
```

```
})
```

as it is shown in the next image:

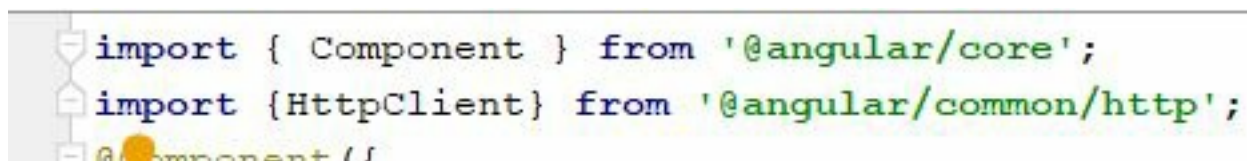


```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { FormsModule } from '@angular/forms';
import { HttpClientModule } from '@angular/common/http';
import { AppComponent } from './app.component';
import { HelloComponent } from './hello.component';

@NgModule({
  imports:      [ BrowserModule, FormsModule, HttpClientModule ],
  declarations: [ AppComponent, HelloComponent ],
  bootstrap:    [ AppComponent ]
})
export class AppModule { }
```

Then we added the component HttpClient in app.component.ts.

```
$ import {HttpClient} from '@angular/common/http';
```



```
import { Component } from '@angular/core';
import {HttpClient} from '@angular/common/http';
@Component({
```

Here is the function that we used to get data from the server using JSON.

```
show() {
  this.http.get('https://api.wunderground.com/api/4bbbc2
```

```

5f4f5946dd/conditions/q/' + this.state + '/' + this.city +
'.json')

    .subscribe((result) => {
      this.result = result;
      console.log(this.result);

    });

    this.http.get('https://api.wunderground.com/api/36b799
dc821d5836/hourly/q/' + this.state + '/' + this.city + '.j
son')

    .subscribe((result2) => {
      this.result2 = result2;
      console.log(this.result2);
    });
  }
}

```

The main code to get the data from HTML looks like this:

```
$ {{result.current_observation.pressure_in}}
```

- Result: is a variable that we used for getting the data.
- current_observation.pressure_in: is the data that we called from the JSON file, and here we wanted to show the pressure.

Results

Hello to Lab2!

Cklick the button!

State code:
City name:


Show

Hello to Lab2!

Cklick the button!

State code:
City name:

Show

Kansas City, MO 	Wind:	From the SE at 3.1 MPH Gusting to 8.0 MPH			
Pressure:	30.12	Humidity:	77%	Temperature:	22.9 F : -5.1 C
Time	11:00 PM	12:00 AM	1:00 AM	2:00 AM	3:00 AM
condition	Overcast	Overcast	Overcast	Mostly Cloudy	Mostly Cloudy
Feelslike	15	15	15	19	18
Temp	24.0	23.9	24.1	25.7	25.5