Hello-component.Component.ts

import { Component, OnInit } from '@angular/core';

import { User } from "src/app/hello-component/User";

import { UserServiceService } from "src/app/hello-component/user-service.service";

@Component({

selector: 'app-hello-component',

templateUrl: './hello-component.component.html',

styleUrls: ['./hello-component.component.css']

})

export class HelloComponentComponent implements OnInit {

public user:User;

constructor(private userService: UserServiceService) { }

ngOnInit() {

this.userService.me()

.subscribe((user) => this.user = user);

// this.userService.me()

// .then((user) => this.user = user);

}

}

User-service.service.ts

import { Injectable } from '@angular/core';

import { Http ,Response } from '@angular/http';

import { Observable } from "rxjs";

import { User } from "src/app/hello-component/User";

import 'rxjs/add/operator/map';

import 'rxjs/add/operator/toPromise';

@Injectable( )

export class UserServiceService {

constructor(private http:Http) { }

me():Observable<User>{

return this.http.get("https://jsonplaceholder.typicode.com/posts")

.map((response:Response)=> response.json())

}

// me():Promise<User[]>{

// return this.http.get(" ")

// .toPromise()

// .then(response => response.json() as User[])

// }

}

Hello-component.component.spec.ts

import { async, ComponentFixture, TestBed } from '@angular/core/testing';

import { HelloComponentComponent } from './hello-component.component';

import { User } from "src/app/hello-component/User";

import { Observable } from "rxjs";

import 'rxjs/add/observable/of';

import { of } from 'rxjs/observable/of';

import { UserServiceService } from "src/app/hello-component/user-service.service";

describe('HelloComponentComponent', () => {

const USER\_OBJECT :User = new User(42, 'Daniele');

class MockUser {

public me(): Observable<User> {

return Observable.of(USER\_OBJECT);

}

// public me(): Promise<User> {

// return Promise.resolve(USER\_OBJECT);

// }

}

let component: HelloComponentComponent;

let userService: UserServiceService;

beforeEach(() => {

TestBed.configureTestingModule({

declarations: [

HelloComponentComponent

],

providers: [

{provide: UserServiceService, useClass: MockUser}

]

});

component =TestBed.createComponent(HelloComponentComponent).componentInstance;

userService = TestBed.get(UserServiceService);

});

it('should set the user', () => {

component.ngOnInit();

expect(component.user).toBe(USER\_OBJECT);

});

});

User.ts

export class User{

id:number;

name:string;

constructor(id:number,name:string){

this.id=id;

this.name=name;

}

}

Hello.service.ts

import { Injectable } from '@angular/core';

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

import { User } from "src/app/hello/User";

import { Observable } from "rxjs";

@Injectable({

providedIn: 'root'

})

export class HelloService {

constructor(private http:HttpClient) { }

me():any{

return this.http.get("https://jsonplaceholder.typicode.com/posts")

}

}

Hello.component.ts

import { Component, OnInit } from '@angular/core';

import { User } from "src/app/hello/User";

import { HelloService } from "src/app/hello/hello.service";

@Component({

selector: 'app-hello',

templateUrl: './hello.component.html',

styleUrls: ['./hello.component.css']

})

export class HelloComponent implements OnInit {

public user:User;

constructor(private helloService: HelloService) { }

ngOnInit() {

this.helloService.me()

.subscribe((user) => this.user = user);

}

}

Hello.component.spec.ts

import { async, ComponentFixture, TestBed } from '@angular/core/testing';

//import { of } from 'rxjs/observable/of';

import { HelloComponent } from './hello.component';

import { User } from "src/app/hello/User";

import { Observable } from "rxjs";

import { of } from 'rxjs';

import { HelloService } from "src/app/hello/hello.service";

describe('HelloComponent', () => {

const USER\_OBJECT :User = new User(42, 'Daniele');

class MockUser {

public me():any {

return of(USER\_OBJECT);

}

}

let component: HelloComponent;

let userService: HelloService;

beforeEach(() => {

TestBed.configureTestingModule({

declarations: [

HelloComponent ],

providers: [

{provide: HelloService, useClass: MockUser}

]

});

component =TestBed.createComponent(HelloComponent).componentInstance;

userService = TestBed.get(HelloService);

});

it('should set the user', () => {

component.ngOnInit();

expect(component.user).toBe(USER\_OBJECT);

});

});