Exercise (Instructions): Angular Service Basics

Objectives and Outcomes

In this exercise you will create a new Angular service and inject it into your application. You will then make use of the service in the components. At the end of this exercise you will be able to:

- Implement a service and inject into your application

- Make use of the service in a component

Adding a Service

- Create a folder named *services* in the *src/app* folder.

- To add a service to your application using Angular CLI, type the following at the prompt:

```
1  ng generate service services/dish
```

- This will create two new files in the services folder named dish.service.ts and dish.service.spec.ts.

- Open dish.service.ts and update its contents as shown below:

```
1  import { Injectable } from '@angular/core';
2  import { Dish } from '../shared/dish';
3  import { DISHES } from '../shared/dishes';
4
5  @Injectable()
6  export class DishService {
7
8    constructor() { }
9
10   getDishes(): Dish[] {
11     return DISHES;
12   }
13 }
```

- Then add the service to the app.module.ts file as follows:

```
 1   . . .
 2
 3   import { DishService } from './services/dish.service';
 4   |
 5   @NgModule({
 6   . . .
 7
 8     providers: [DishService],
 9
10   . . .
11
```

Using the Service

- Now update menu.component.ts file to make use of the service as follows:

```
 1   . . .
 2
 3   import { DishService } from '../services/dish.service';
 4
 5   . . .
 6
 7   export class MenuComponent implements OnInit {
 8
 9     dishes: Dish[];
10
11     selectedDish: Dish;
12
13     constructor(private dishService: DishService) { }
14
15     ngOnInit() {
16       this.dishes = this.dishService.getDishes();|
17     }
18
19   . . .
20
21   }
```

- Check that your application is still working correctly in the browser. Do a Git commit with the message "Basic Service".

Conclusions

In this exercise you learnt to create a service and add it to your application. Thereafter you learnt to use it in a component.

Mark as completed