04-05-2022

Angular Service :

If we write any simple or complex logic inside a component that logic become local to that component. Means same logic we can’t call from other component or another component template.

Using angular service concept we can do global logic.

Html or template component service

First template first component

Variable or function

Business logic business logic

Second template second component

Variable or functions

Business logic

Angular service divided into two types

1. User defined service
2. Creating user defined service class object explicitly
3. Creating user defined service class object using DI (Dependency Injection) and IOC (Inversion of control)

IOC : Inversion of Control : It is a concept or Programing pattern or Design pattern. In place of creating or maintaining any resource explicitly allow to create by container(it is an engine or run time environment part of server). If container will created it will maintain properly. Rather than us.

Rather than push object or creating the object explicitly pull the object from a container whenever you want. Use it and leave it.

new CustomService(); creating or pushing the object.

don’t don this one

pull from a container when you required.

DI : Dependency injection : DI is a implementation of IOC.

3 types of DI

Constructor base

Setter base

Interface base

Angular support only one type of DI ie using constructor base DI.

We have to make normal typescript service class with one or more business method.

On that class we have to writ decorator @Injetable.

We have to provide service class details or register this class details in app.module.ts file in providers attribute.

1. in app.module.ts file in providers attribute section.

Then every component (in which component you need to that class service class object we have to pull using constructor).

ng new angular-service

1. Pre-defined service or built in service

HttpClient