

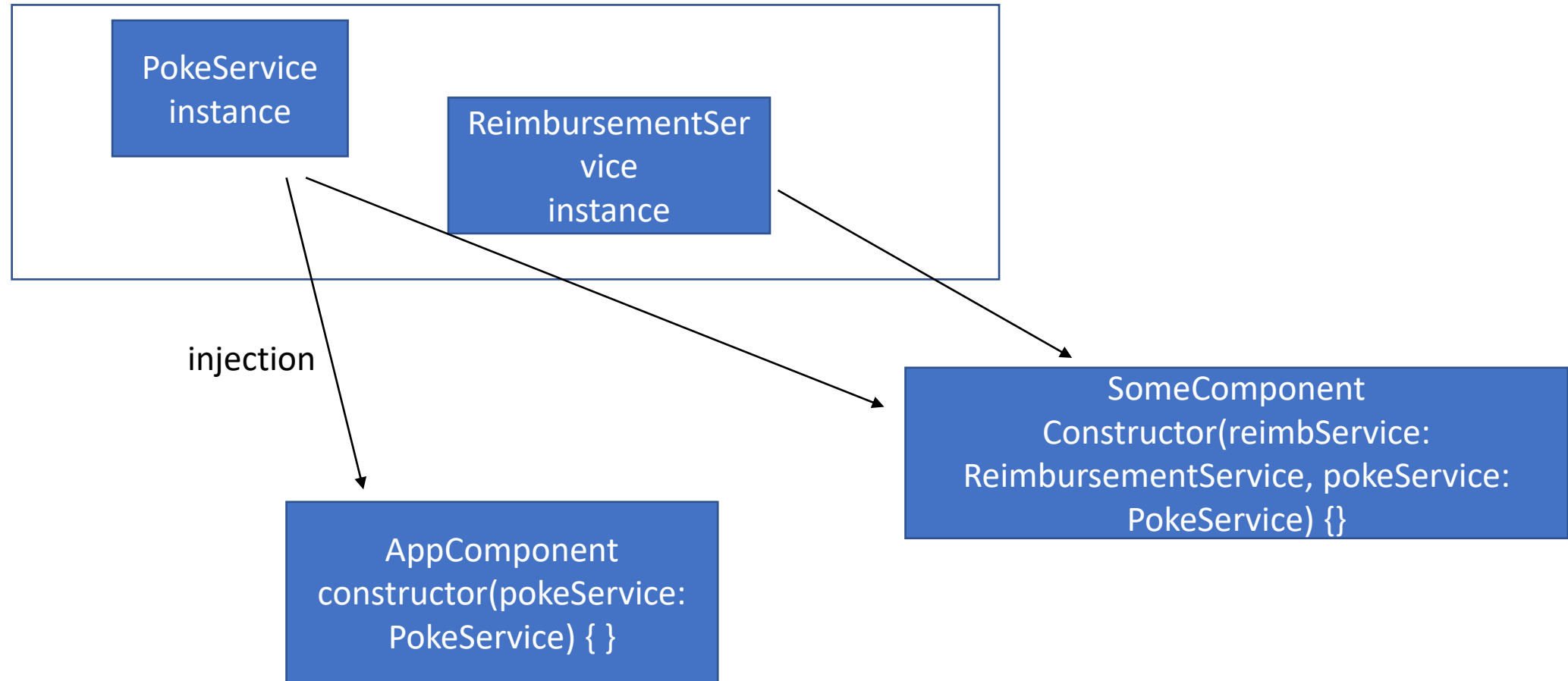
Dependency Injection

- Whenever you need a dependency (Service) in Angular, the framework will automatically provide the **Singleton** instance that exists during the entire lifetime of the application to the component requesting it
 - Singleton: only 1 instance of a particular class
 - When Angular starts up, it instantiates all of these Services already, and keeps track of them
- The way that a component requests a dependency is by having a parameter inside of the component's constructor of the dependency's type

```
constructor(pokeService: PokeService) {  
  this.pokemonService = pokeService;  
}
```

- Since our component requests a PokeService object, Angular automatically gives it to the component when the component is being constructed

Dependency injection container



Gradify Frontend (Angular)

Route: ''
Component:
LoginComponent

LoginComponent

Route: '/associate'
Component:
AssociateComponent

AssociateComponent

Route: '/trainer'
Component:
TrainerComponent

TrainerComponent