

CEGEDIM INTERNSHIP 2022

DESIGN PATTERNS IN SPRING

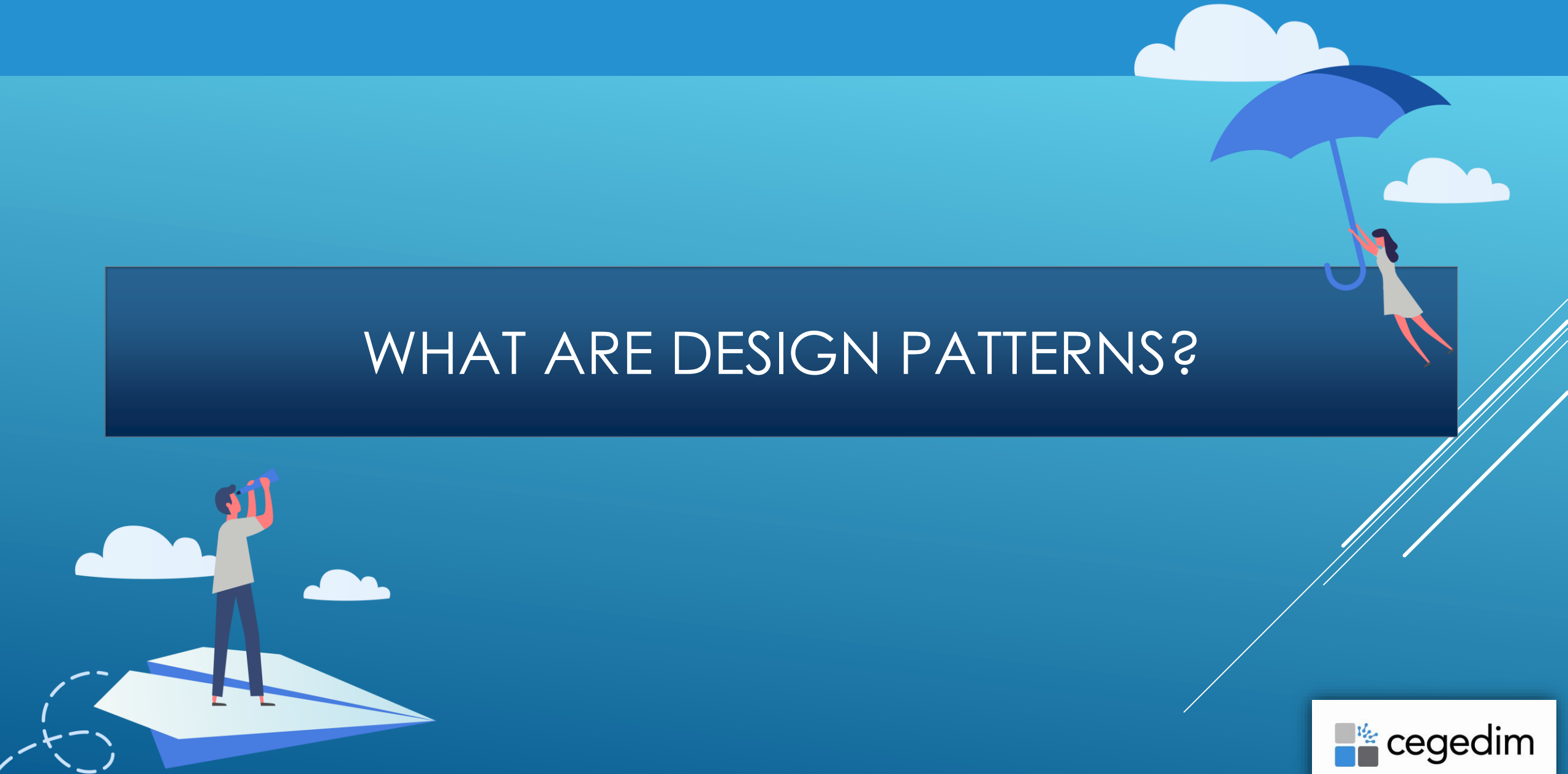
Mohamed Talaat Harb –
Senior full stack developer

TL for Cairo 6.

Mohamed.harb@Cegedim.com



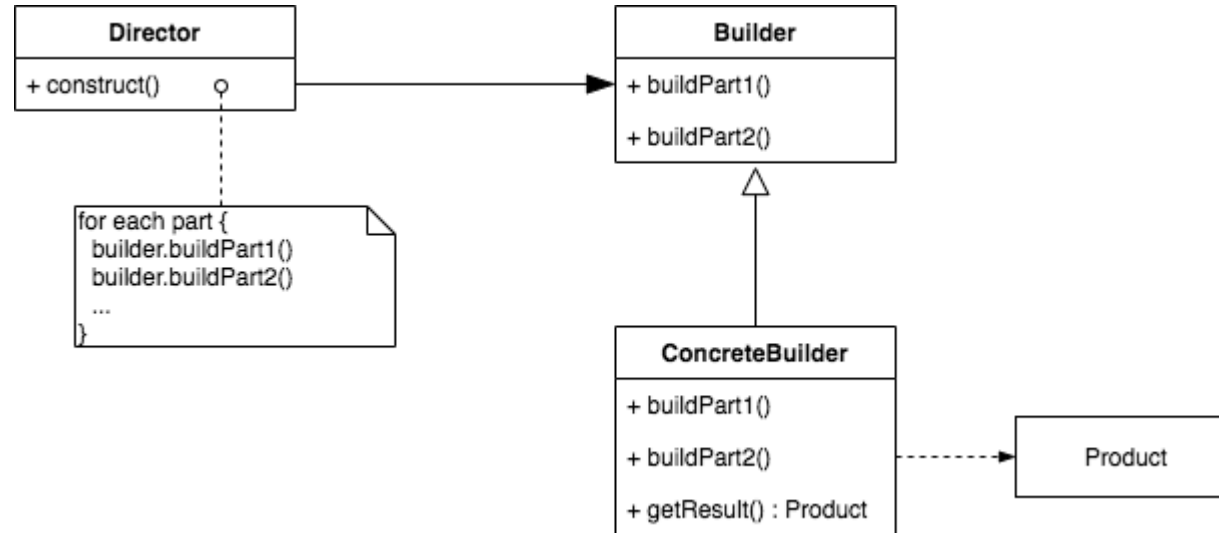
WHAT ARE DESIGN PATTERNS?



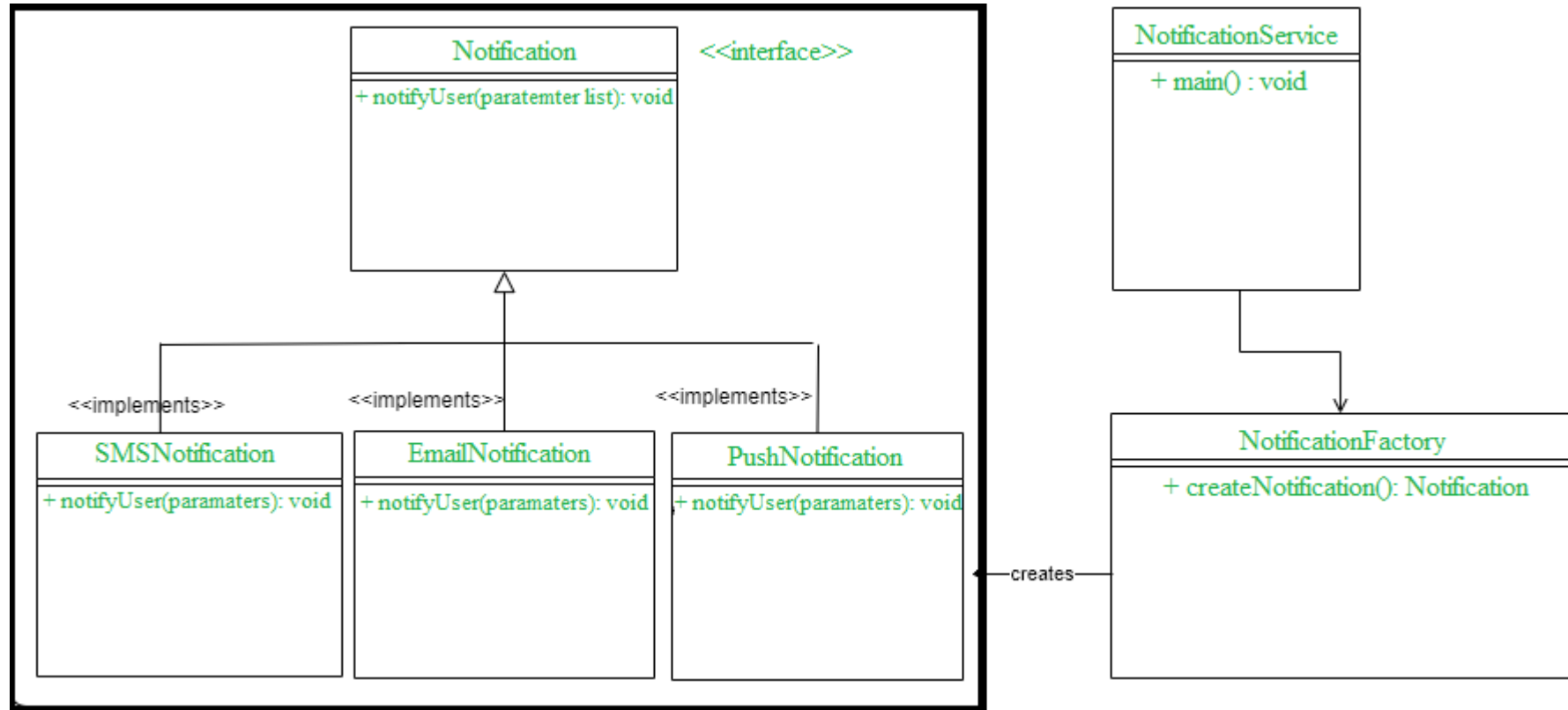
What is Singleton Design pattern?

```
public final class ClassSingleton {  
    private static ClassSingleton INSTANCE;  
  
    private ClassSingleton() { }  
  
    public synchronized static ClassSingleton getInstance() {  
        if(INSTANCE == null) {  
            INSTANCE = new ClassSingleton();  
        }  
        return INSTANCE;  
    }  
    // Getters and setters  
}
```

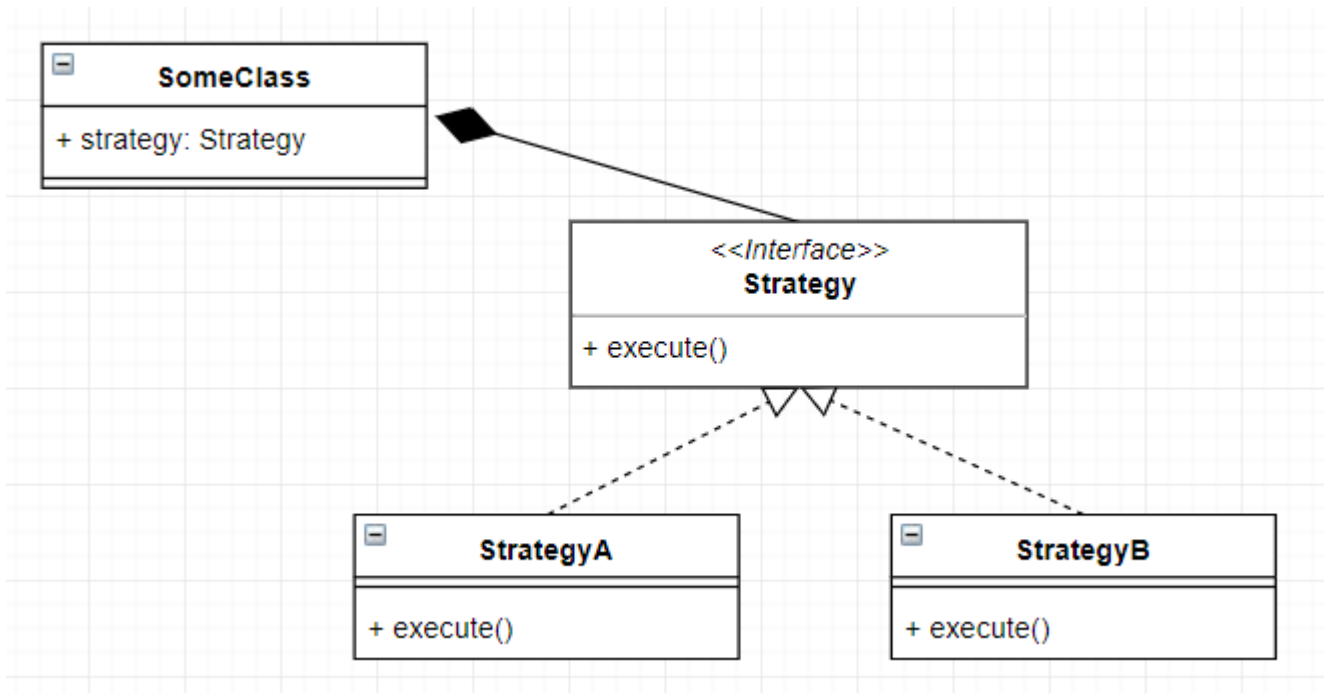
What is Builder Design pattern?



What is Factory Design pattern?

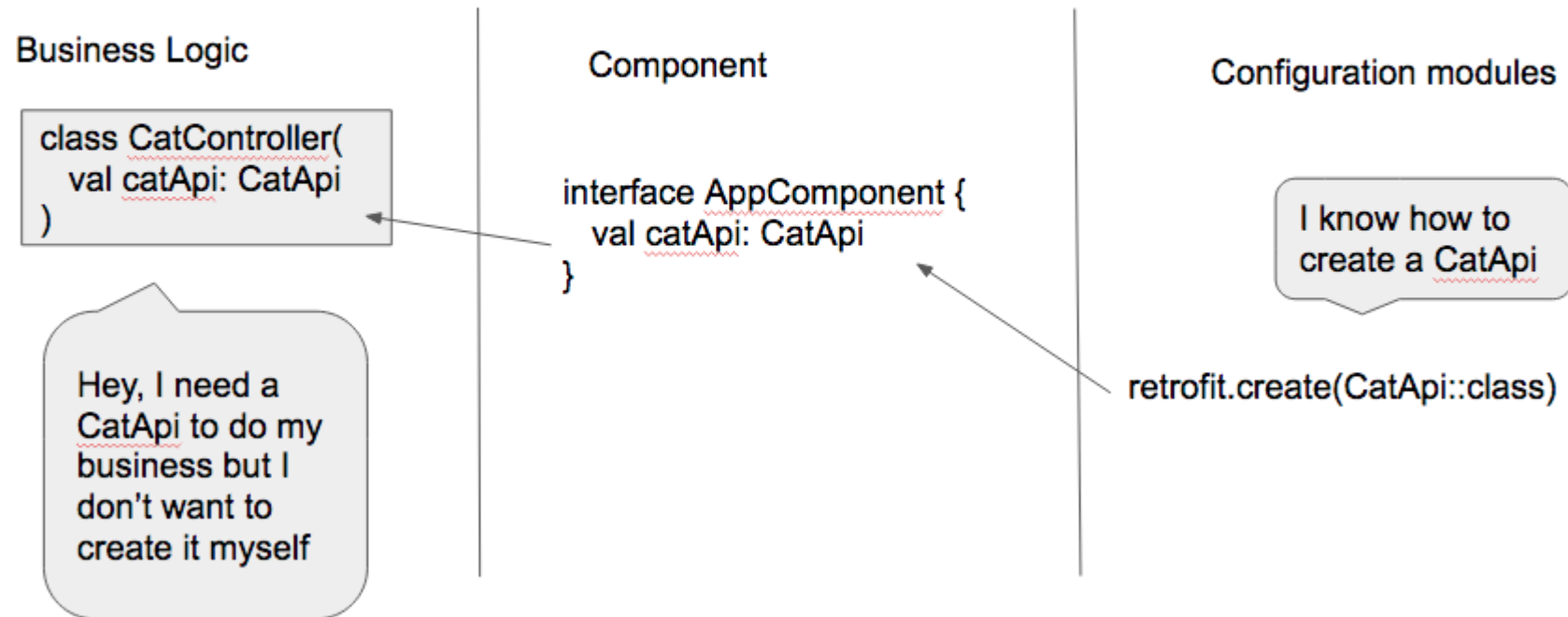


What is Strategy Design pattern?



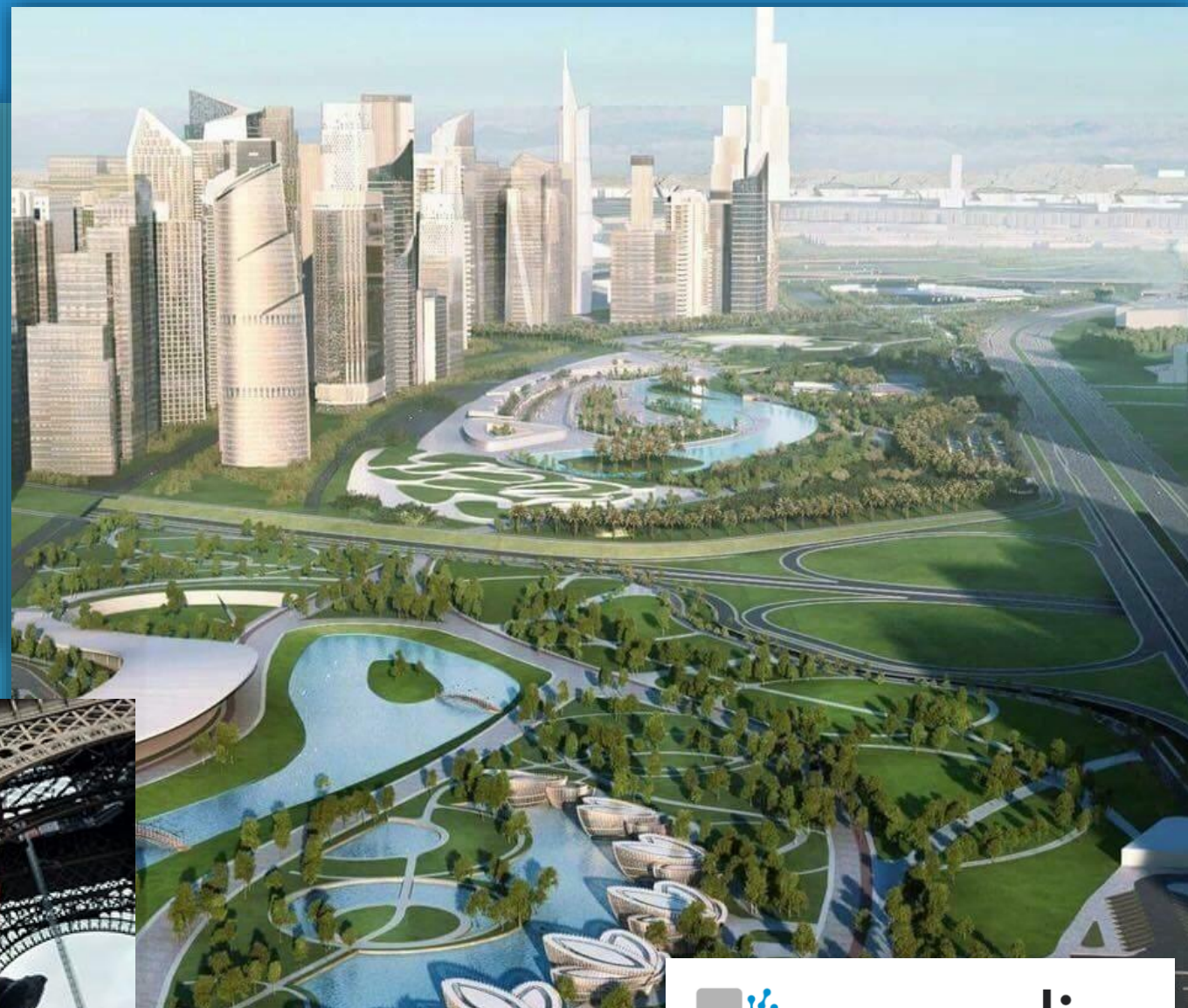
What is Dependency injection?

Dependency Injection Architecture



References

- <https://www.baeldung.com/spring-framework-design-patterns>
- https://www.tutorialspoint.com/design_pattern/strategy_pattern.htm
- https://www.tutorialspoint.com/design_pattern/factory_pattern.htm
- https://www.tutorialspoint.com/design_pattern/builder_pattern.htm
- https://www.tutorialspoint.com/design_pattern/singleton_pattern.htm



Qs & As
THANK YOU

