**1-**

Yes, our class diagram respects the solid principles. We were keen to follow the principles like:

* **single responsibility principle**, which states the class should solve one problem, it has one reason to change.
* **Open closed principle**, which states that software entities should be open for extension but closed for modification.

**2-**

Yes, our class diagram contains a design pattern (strategy design pattern).

**The classes** that are involved in it are ChoosingConfig, Iparkin, ParkinConfig1 and ParkinConfig2.