**Design Patterns - Bombic**

**Creational Patterns**

* Factory Methods – Enemies, items (bombs, bonus…) are using this design pattern because they have an abstract class that declare the main functions needed to manage this type of objects.
* Object Pool - Used for bombs, to reuse exploded bombs, in order to save memory.
* Singleton – Screens are using this to pass the other classes only one instance of themselves.

**Structural Patterns**

* Composite – Screens are using this pattern by constructing elements and concatenate them into a windows graphics.

**Behavioral Patterns**

* Iterator – Use to iterate objects along the entire project
* Strategy – It will be used in enemy’s behaviors.
* Template Method - Used in enemies and items in which the superclass has abstract methods that are implemented in the child classes in the different ways.