**Design patterns Used**

The Design patterns that have been used in this project are:

**Strategy pattern**: This pattern has been used to encapsulate the behavioral changes of the interests for all accounts. And through LSP, the behaviors can be interchanged at run time, which in a case means the interest that an account should be charged can be changed at runtime.

**Singleton pattern**: This pattern has been used to create one instance of the AccountDAO, which will be used and can be accessed globally in our overall application.

**Observer pattern**: This pattern has been significantly used in this project as our main notifier to different accounts in their own different ways. The subject of this application being the Account and the observers of this application being the Email Sender Class.

**Façade pattern**: This pattern has been used as a unified interface to a set of all Classes to our subsystems. **Account Service** has been used as façade interface, the relationship between Account Service and all other subsystems class has been identified as Façade way of design pattern.