

Problems faced in Application —:

- ① Maintainability
- ② Redability
- ③ BUGS.

S O L I D

S → Single Responsibility Principle (SRP)

O → Open-close principle (OCP)

L → Liskov Substitution principle (LSP)

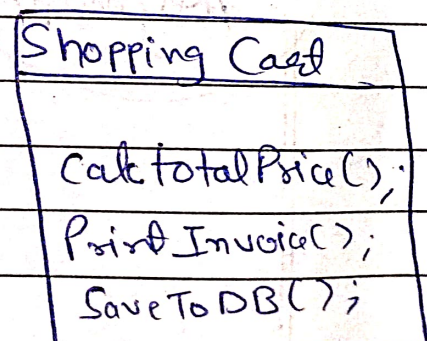
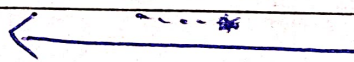
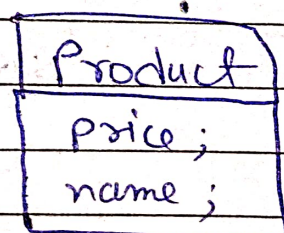
I → Interface Segregation principle (ISP)

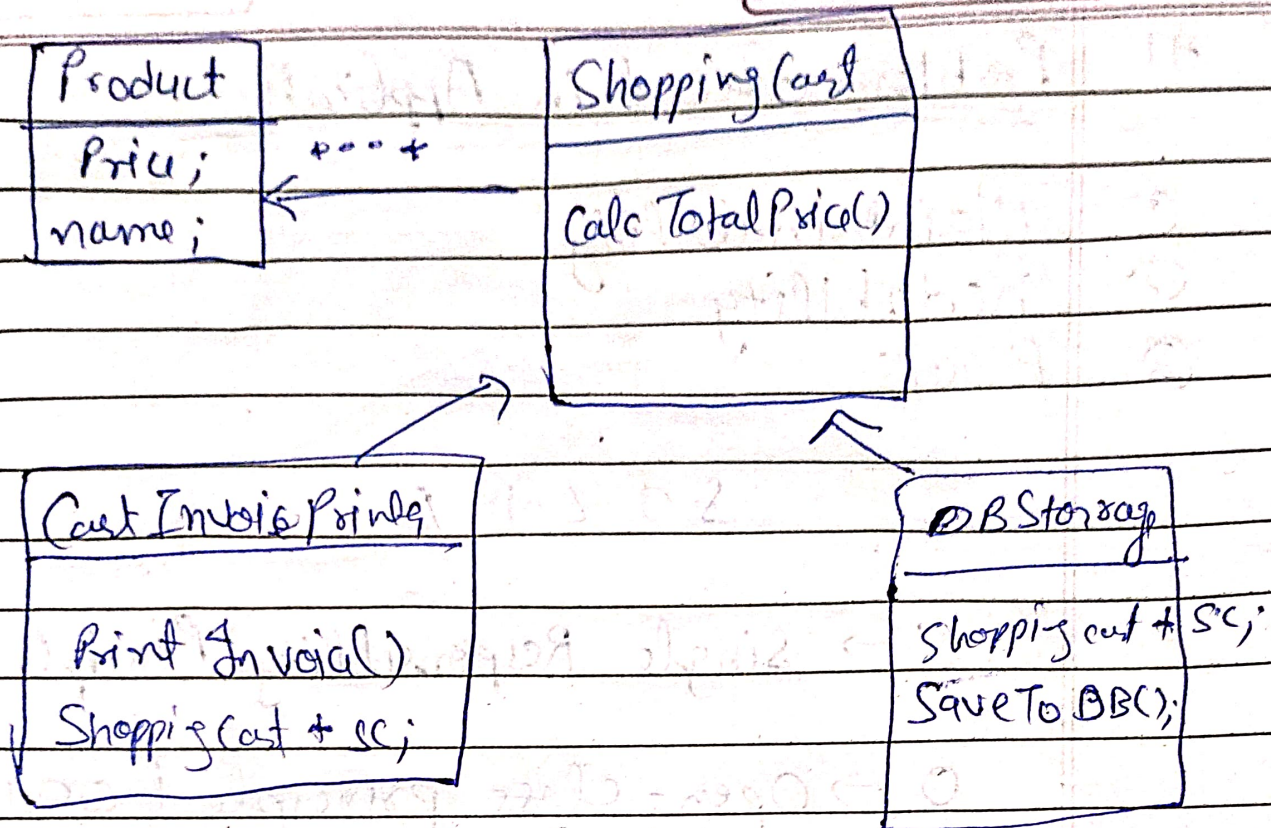
D → Dependency Inversion principle (DIP)

Single Responsibility Principle —

- A class should have only one reason to change.

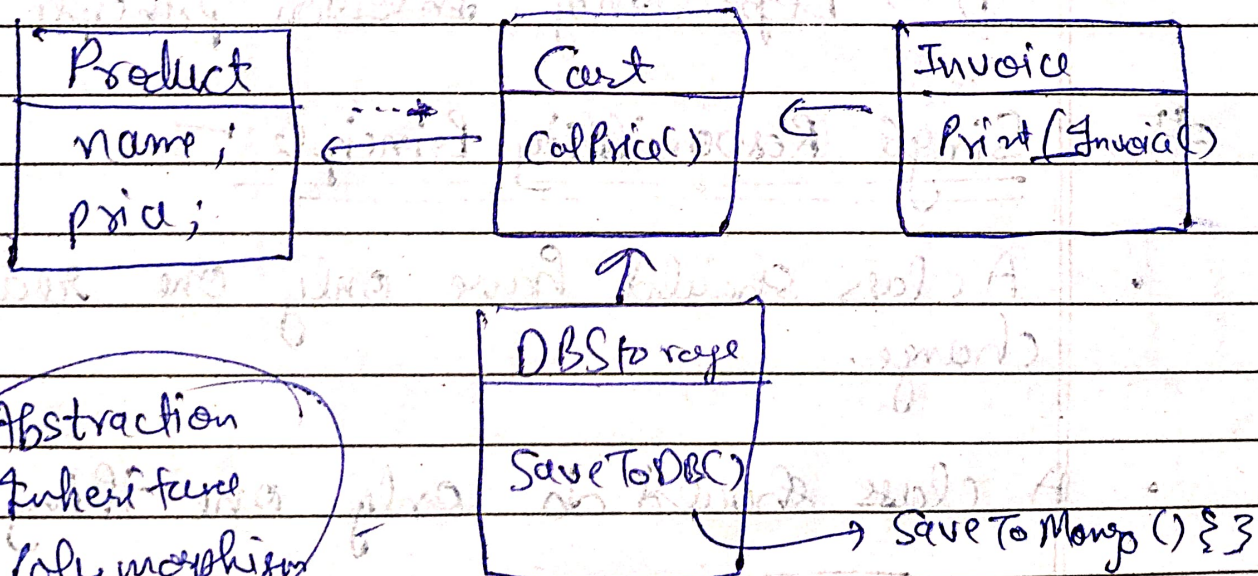
- A class should do only one thing.





Open - Close Principle

A class should be open for extension but close for modification.



Abstraction
Inheritance
Polymorphism

SaveToMongo() & 3

SaveToFile() & 3

<< abstract >>

DB Persistence

save();

Save To file

save();

Save To SQL DB

save();

Save To Mongo DB

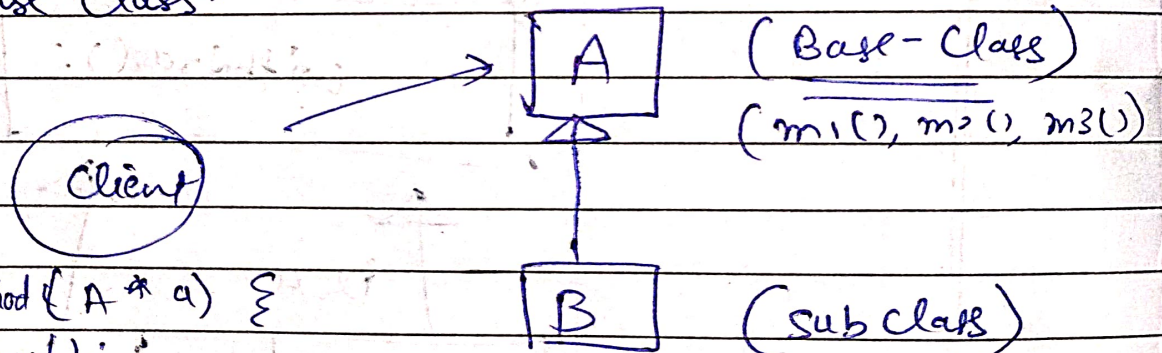
save();

Cart

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Liskov Substitution Principle —

- Subclasses should be substitutable for their base class.



random Method { A * a } {

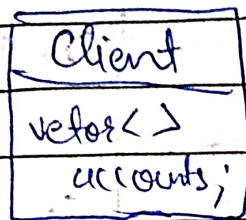
a → m1();

a → m2();

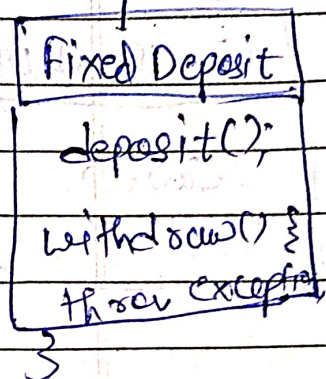
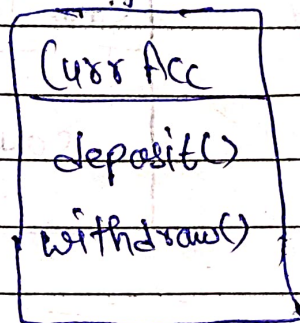
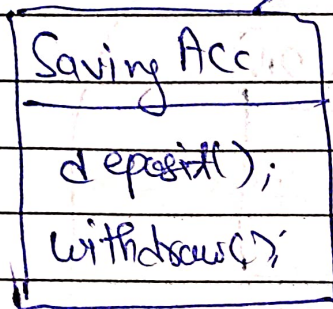
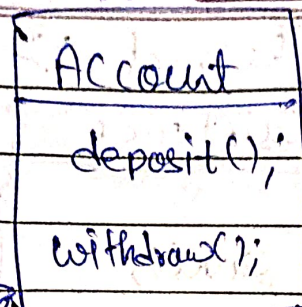
a → m3();

}

A * a = new B();



<<abstract>>



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