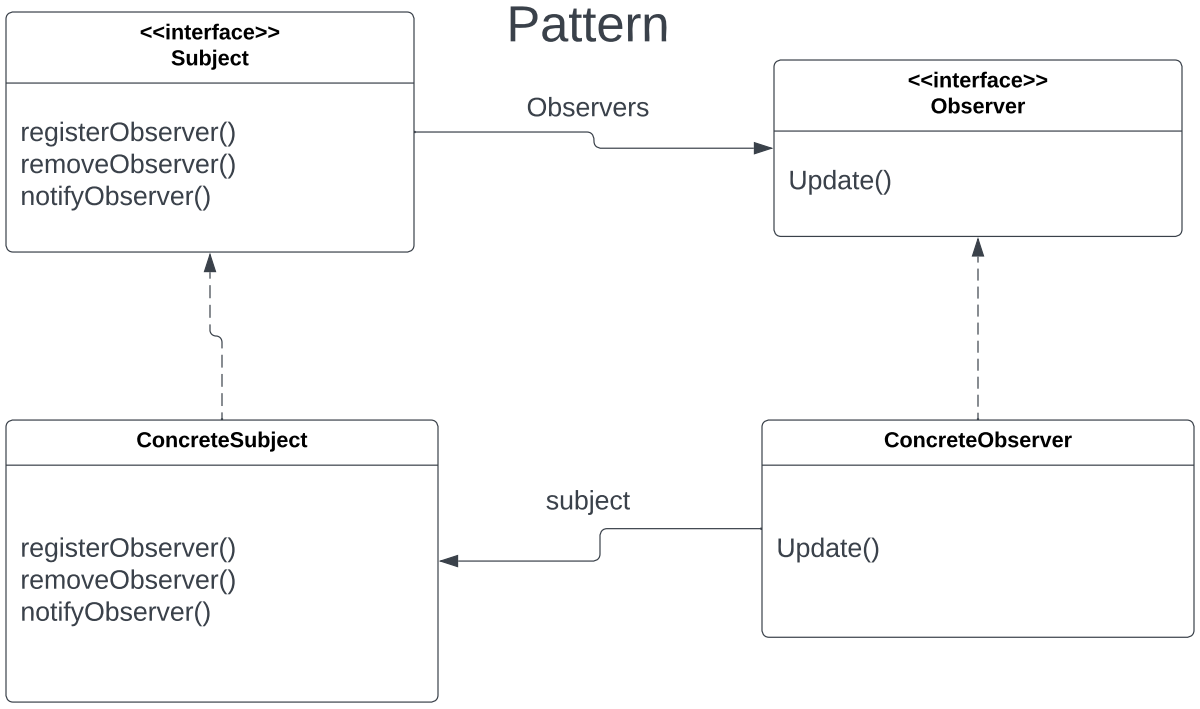
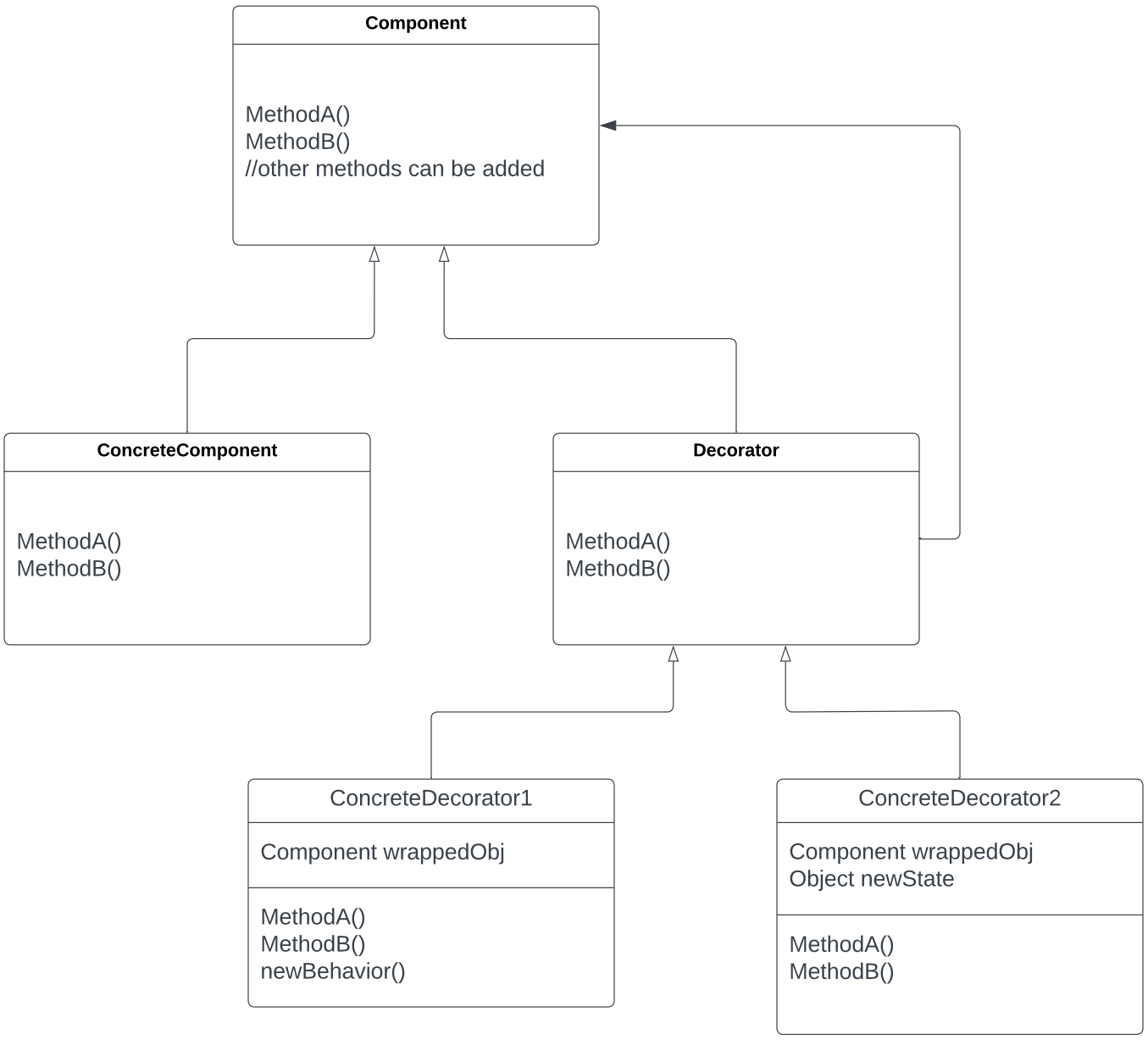
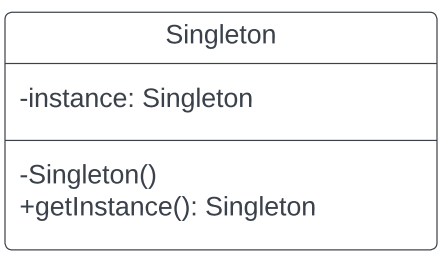
Observer Pattern



Decorator Pattern



Singleton Pattern