Design Pattern Decorator

```
public abstract class Beverage {
    String description = "Beverage";
    public String getDescription() {
       return description;
    public abstract double cost();
}
public class Espresso extends Beverage {
    public Espresso() {
       description = "Espresso";
    public double cost() {
       return 1.99;
}
public class Latte extends Beverage {
    public Latte() {
        description = "Latte";
    public double cost() {
        return 0.3;
    }
}
public abstract class BeverageCondimentDecorator extends Beverage {
    public abstract String getDescription();
    public abstract double cost();
}
public class Mocha extends BeverageCondimentDecorator {
    private Beverage beverage;
    public Mocha(Beverage beverage) {
        this.beverage = beverage;
    public String getDescription() {
        return beverage.getDescription() + ", Mocha";
    public double cost() {
       return beverage.cost() + 0.20;
}
```

```
public class Soy extends BeverageCondimentDecorator {
    private Beverage beverage;
    public Soy(Beverage beverage) {
        this.beverage = beverage;
    public String getDescription() {
       return beverage.getDescription() + ", Soy";
    public double cost() {
       return beverage.cost() + 0.50;
}
public class Whip extends BeverageCondimentDecorator {
    private Beverage beverage;
    public Whip(Beverage beverage) {
        this.beverage = beverage;
    public String getDescription() {
        return beverage.getDescription() + ", Whip";
    }
    public double cost() {
        return beverage.cost() + 0.3;
    }
}
public class Application {
    public static void main(String... args) {
        Beverage beverage1 =
                 new Whip(new Mocha(new Mocha(new Espresso())));
        System.out.println(beverage1.getDescription() + " - " +
                           beverage1.cost());
        System.out.println();
        Beverage beverage2 = new Soy(new Latte());
        System.out.println(beverage2.getDescription() + " - " +
                           beverage2.cost());
    }
}
```