Ask yourself: "Am I using inheritance to simply share attributes or behavior without further adding anything special in my subclasses?"

Example of misused Inheritance

```
public class Pepperoni extends Pizza {
    public Pepperoni(String size,
    String crust) {
        super(size, crust);
        super.addTopping("pepperoni");
    }
}
```

Here Super(base class) already all attributes, in above sub class you calling base call & calling function is misused of inheritances. Here subclass is not different from base class

This is base class

```
public class Pizza {
    private List toppings;
    private String size;
    private String crustStyle;
    public Pizza(String size, String crust) {
         this.toppings = new ArrayList();
         this.size = size;
         this.crustStyle = crust;
    }
    public void addTopping(String topping) {
         this.toppings.add(topping);
    }
    public void bulkAddTopping(ArrayList toppingList) {
         this.toppings.addAll(toppingList);
    }
    public void cook() throws InterruptedException {
         wait(10 * 6000);
    }
```

Given the following superclass-subclass pairings, which one is a proper use of inheritance?
Superclass: Sandwich. Subclass: Ham; Tuna Salad; Chicken Salad
Superclass: Animal. Subclass: Dog, Cat, Whale
Correct Nice job! There is probably some behaviour that is common to all of these, and some behaviour that is very different between them.
Superclass: Employee Subclass: Manager, Salesperson, Cashier
○ Correct Great! Employee is a generalized type for manager, salesperson, and cashier, but each of these types of employee perform specific functions.
Superclass: Dog Subclass: Husky, Golden Retriever, Poodle
This should not be selected Not this one. Although the dogs are different, their behaviours are the same, so the superclass is enough!

Subclass behavior should be different.