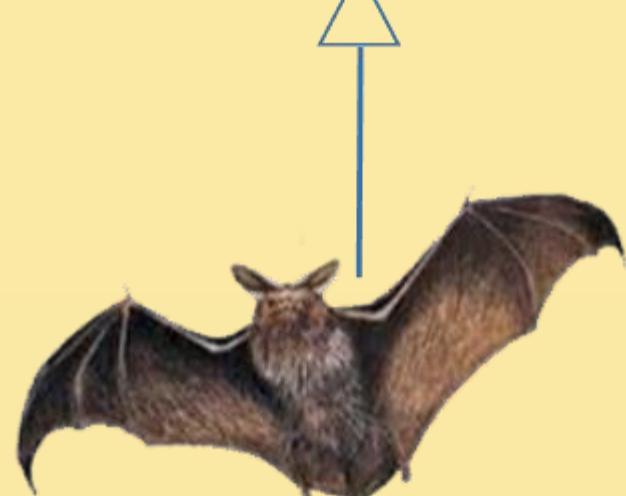
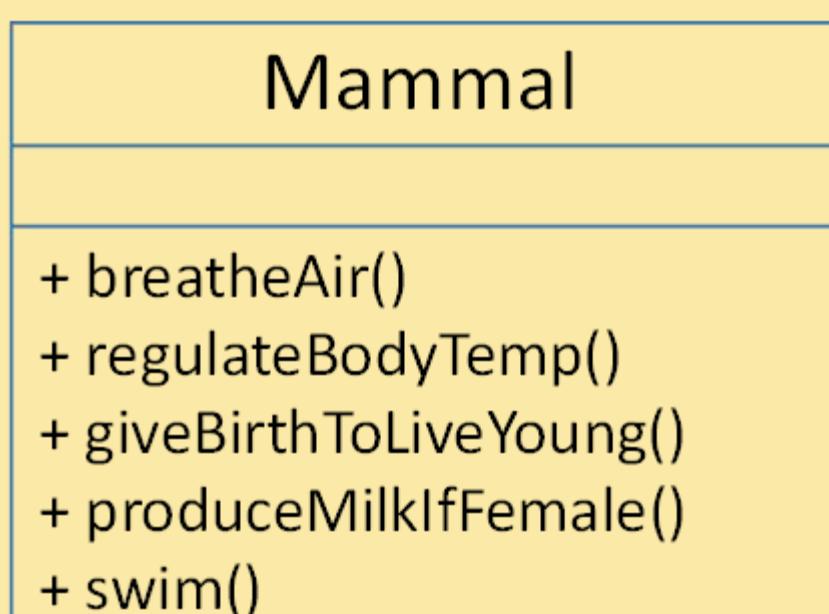


Identification of Refused Bequest Code Smells

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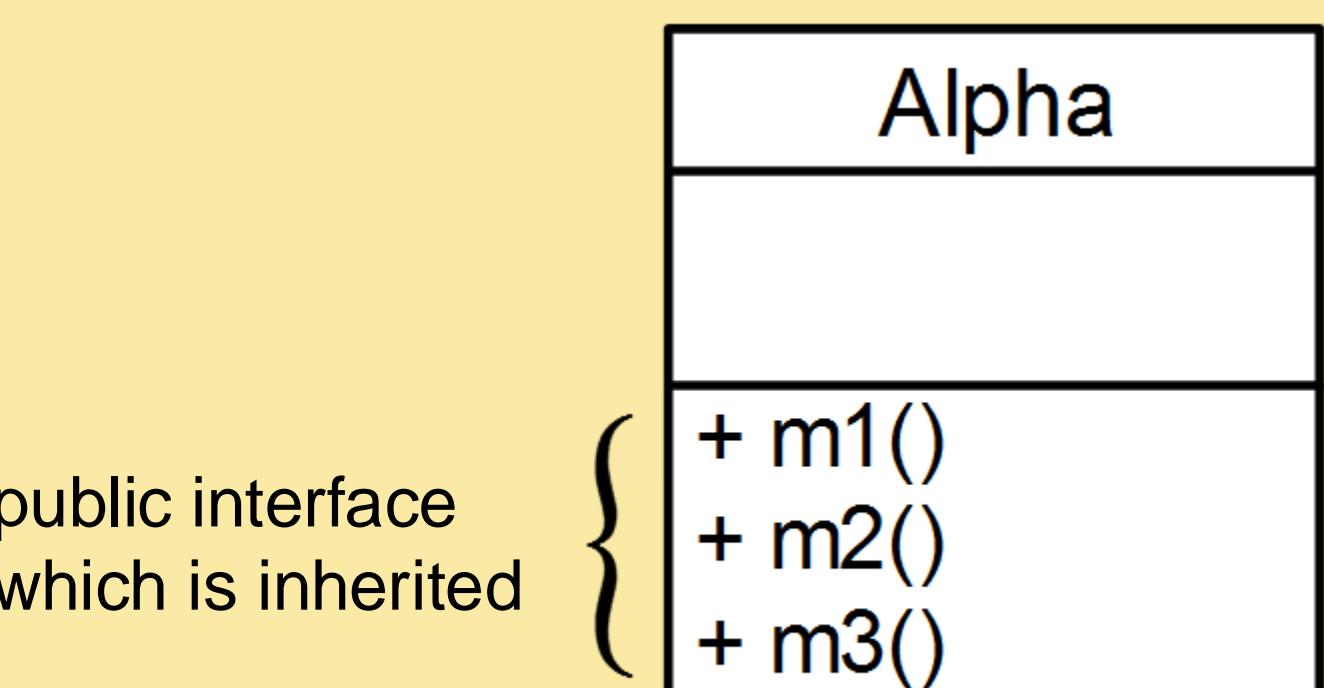
1. CONTEXT



```
+ breatheAir()
+ regulateBodyTemp()
+ giveBirthToLiveYoung()
+ produceMilkIfFemale()
+ swim()
```

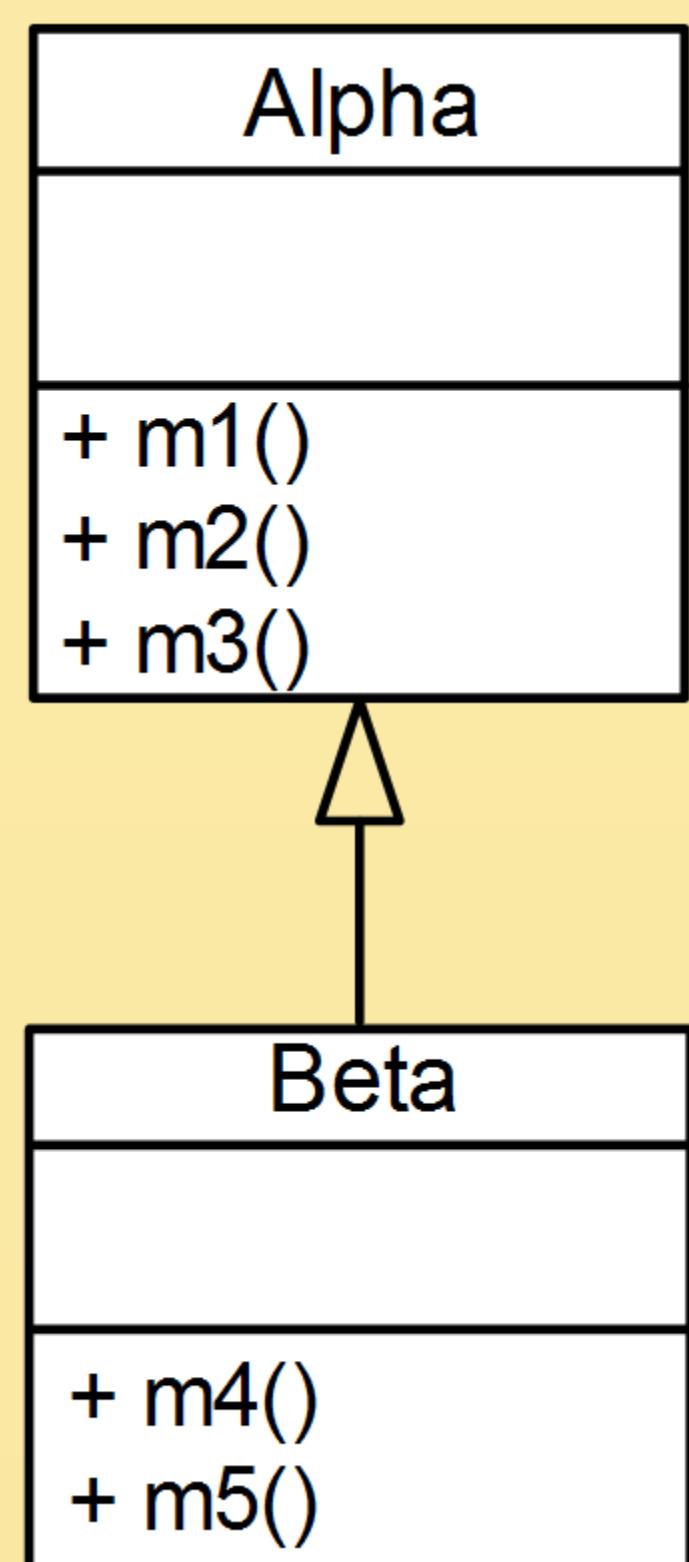
"a subclass does not want to support the interface inherited from its parent class" [Fowler]

2. PROBLEM



public interface
which is inherited

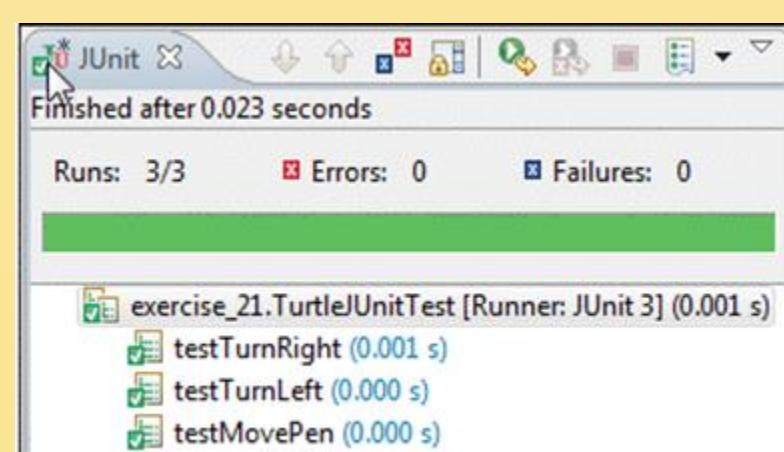
Is the subclass using
the inherited
interface?



3. KEY CONCEPT

1. Override inherited
methods and introduce
errors into them

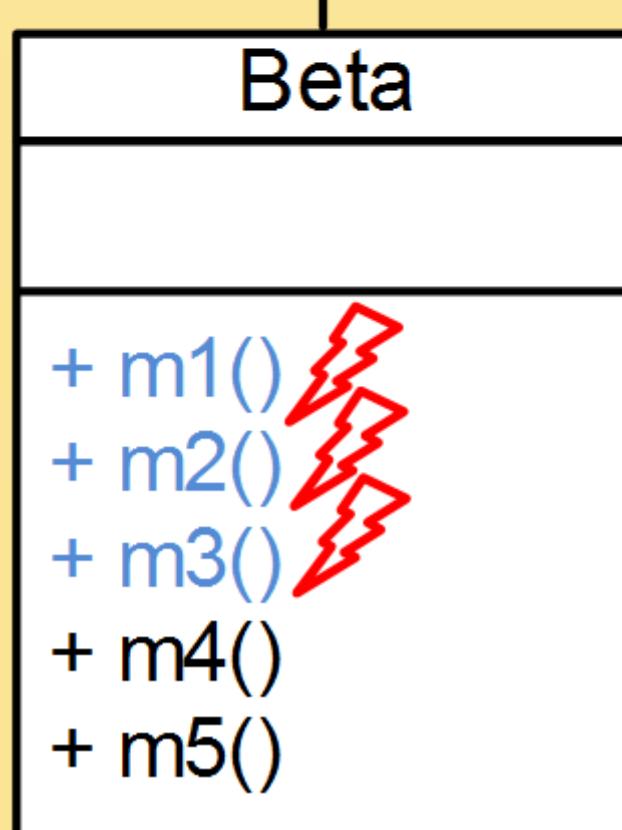
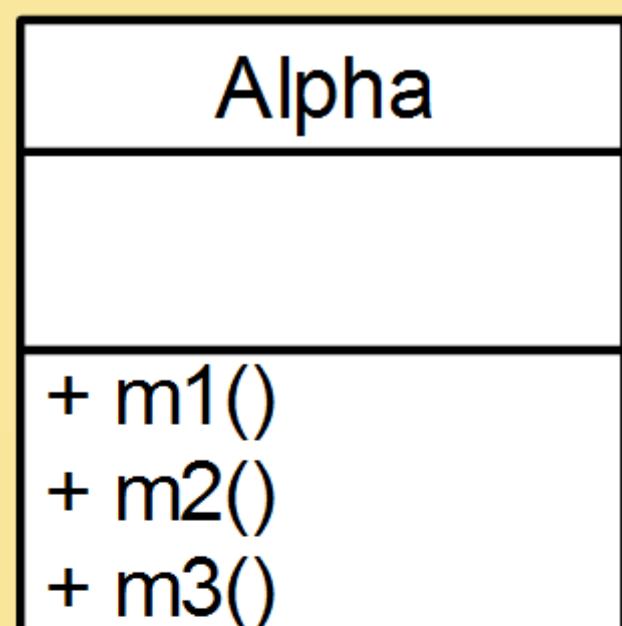
2. Check whether unit
tests fail



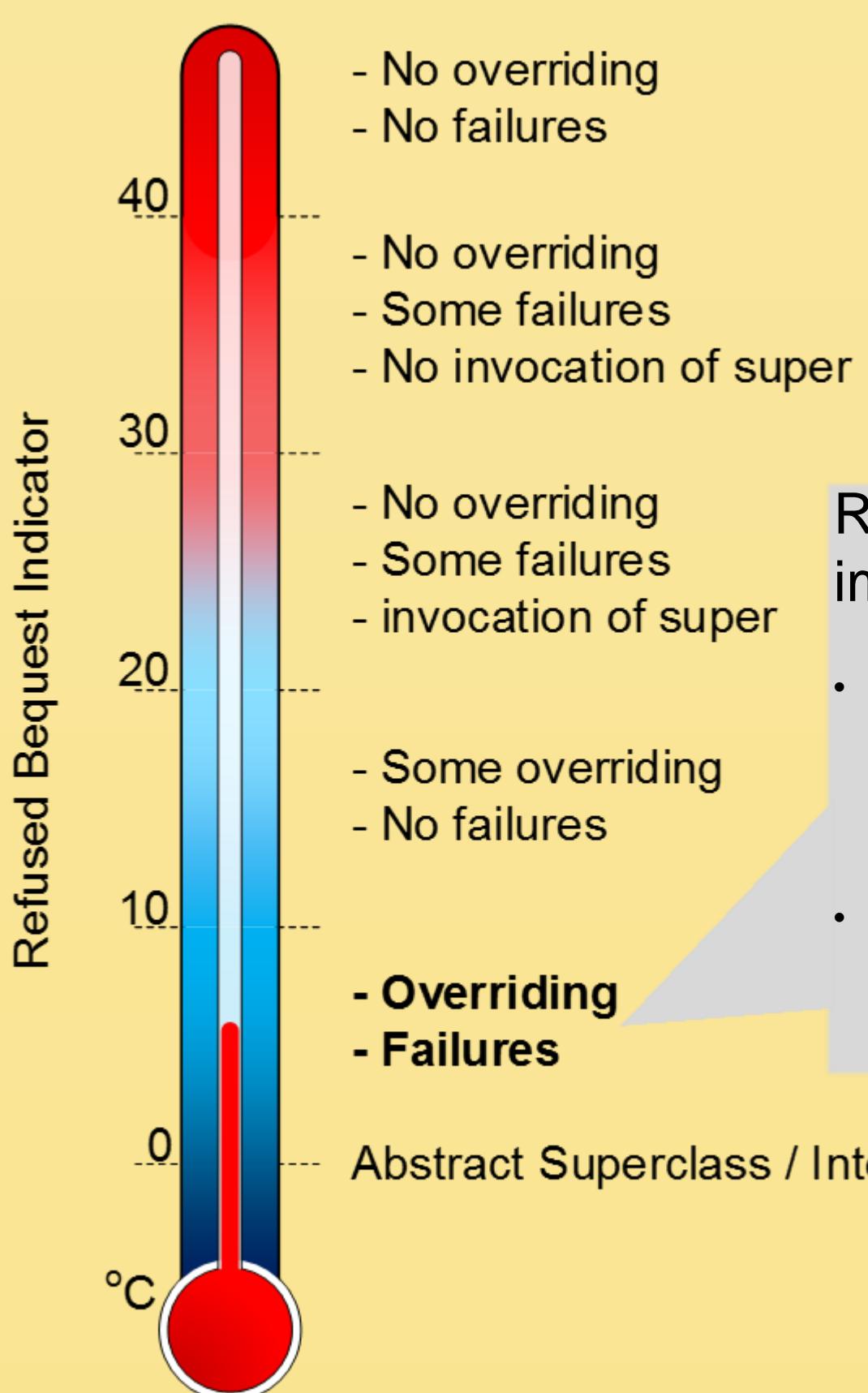
No one is using the
inherited methods



Signs of Refused
Bequest



4. THERMOMETER



Refused Bequest is highly
improbable:

- re-implemented inherited
methods → goal is to
enable polymorphism
- presence of errors →
inherited functionality is
employed

5. TOOL



Download from:

http://java.uom.gr/ref_bequest

Implementation on top of JDeodorant Eclipse plug-in



Csse
.uom.gr

<http://csse.uom.gr>
achat@uom.gr

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