Abstract class

* An abstract class is declared abstract

public abstract class xyz { … }

* An abstract class can have abstract methods … doesn’t have to
* When you extend an abstract class, the child inherits any abstract methods
* The child must either:
  + IMPLEMENT those methods; or
  + Declare itself abstract
* If the child is abstract it can then be extended … same rules apply.

Compositions & Aggregations & mutable

* an immutable class is one with state that doesn’t change after creation time
* no public nonfinal fields of primitive or immutable type
* no public fields of mutable type of any description (final or nonfinal)

public final MutableClass m;