

Enter your
codename from
eClass grades as
your name on Menti

Did you enter your codename from eclass as your name on Mentimeter?

None of the options are correct!



Have you been employed as a programmer before?



What programming languages do you know?

There's no correct answer!



What do you think Software Engineering is?

There's no correct answer!



Have you read the collaboration policy?



Who is playing the role of the customer in 301?



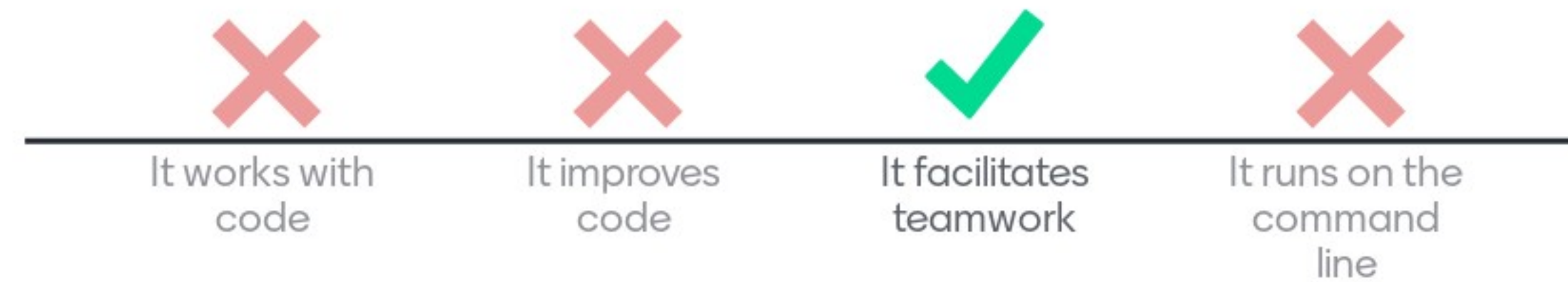
Who is playing the role of the manager in 301?



Who is playing the role of the programmers in 301?



why is git considered a software engineering tool?



If you have a question about the project requirements, where should you ask it?



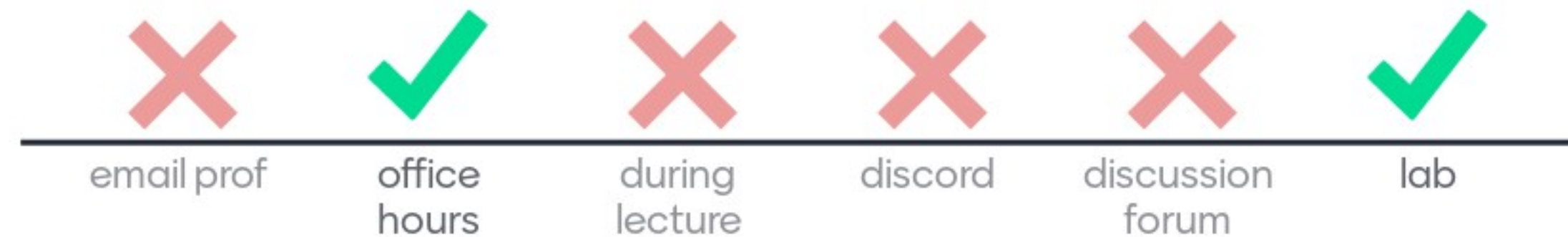
If you think your grade is wrong, where should you ask about it?



If you have a question about an assignment requirement where should you ask it?



If you need help with your code where should you ask about it?



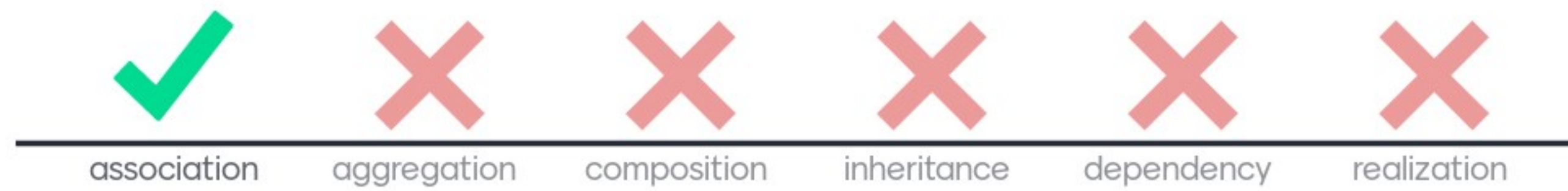
**every Trainer object references zero or more
Pokemon objects, every Pokemon object
references zero or more Trainer objects**



every Trainer object references zero or more
Pokemon objects, every Pokemon object
references zero or more Trainer objects



No diamond



Filled-in diamond



Outlined (empty) diamond



If a Team is made out of one or more Pokemon, what is that?



If a Pokemon has one or more Moves, what is that?



If a Pokemon has one or more Moves, which is the Whole



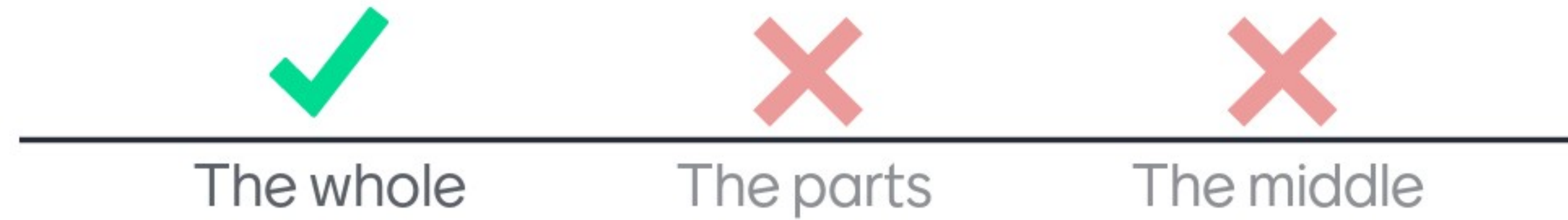
Pokemon is the Whole



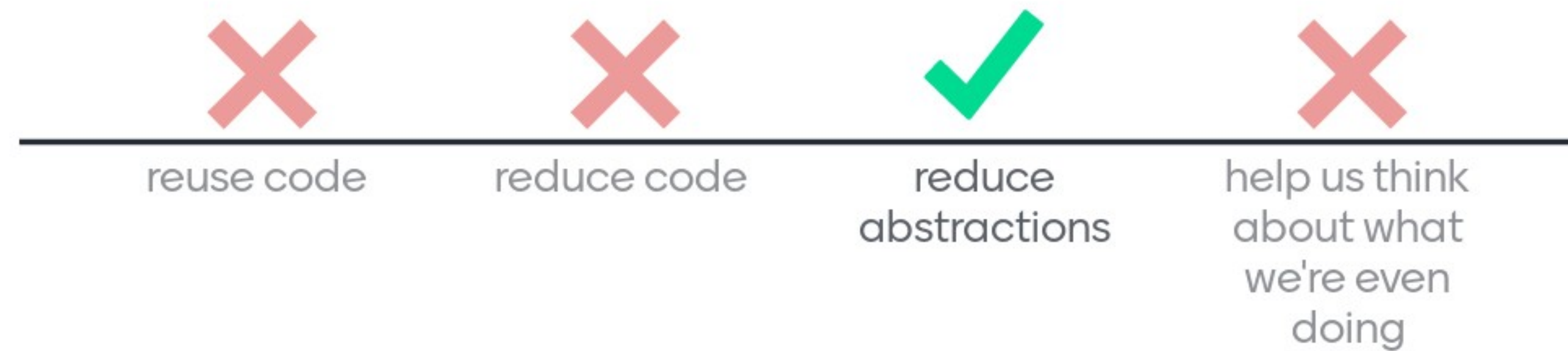
Pokemon is the Parts



Which side does the diamond go on



What is NOT a reason to generalize?



Base class is also called a



superclass



subclass



interface



Derived class is also called a



a JAVA class can only have ONE



superclass



subclass



interface



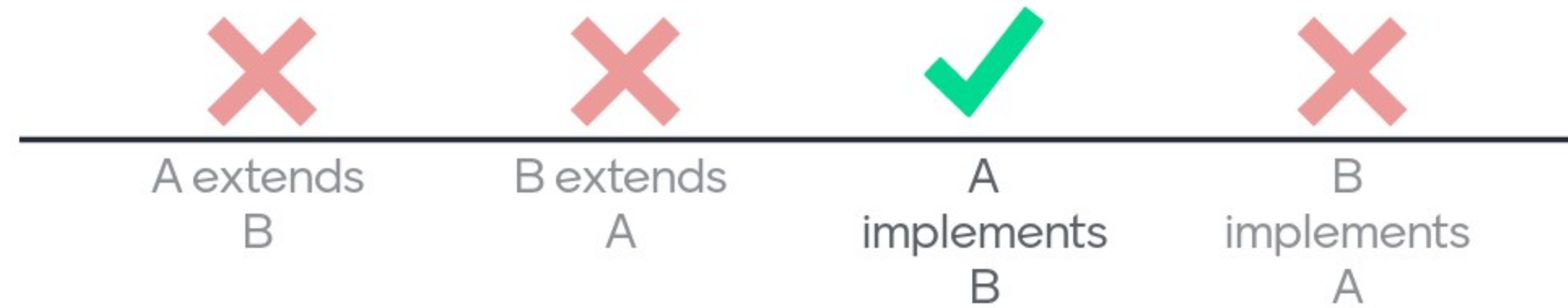
a Java class can have multiple



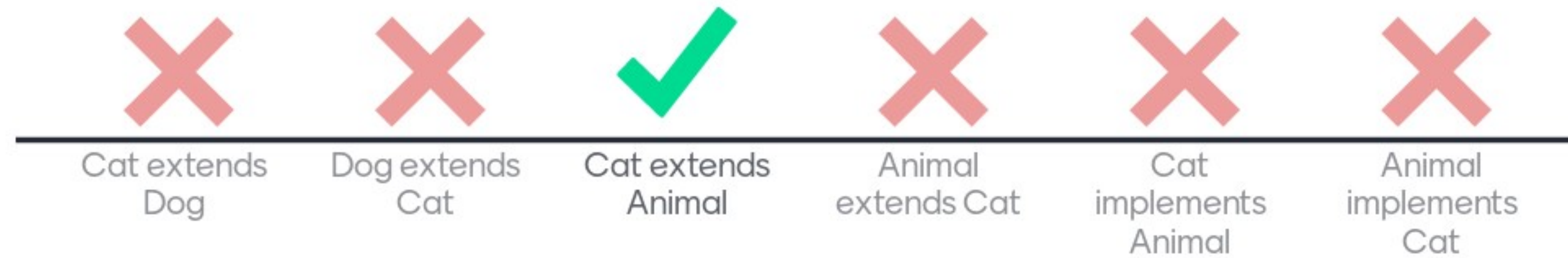
A is a superclass of B



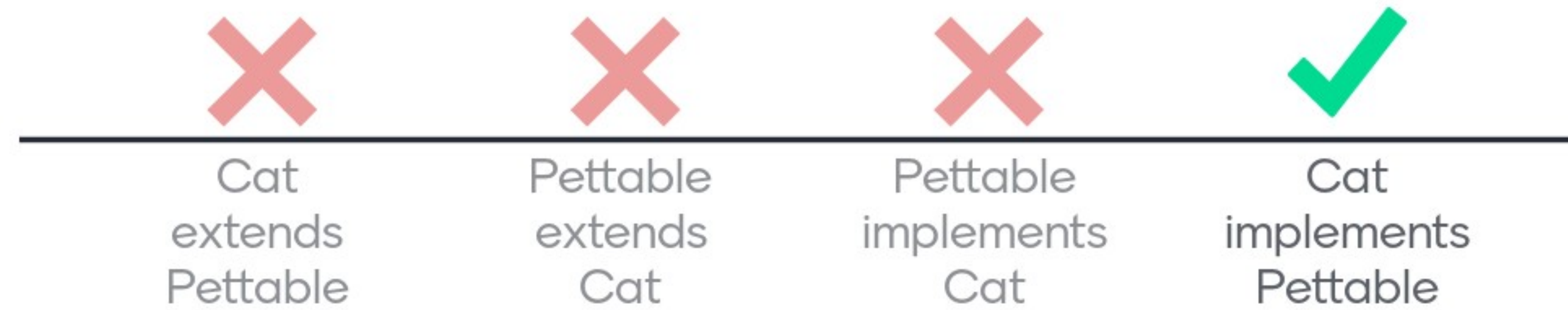
A defines all the methods declared in B



Which makes the most sense?



Which makes the most sense?



Which one can have actual code in it?



Superclass



Interface



What relationship do InBattleUsable and Potion have?



What relationship do Character and Inventory have?



What relationship do Inventory and Item have?



What relationship do Inventory and Item have?



What relationship do Item and Potion have?



What visibility does inventory in character have?



What visibility does `getInventory()` in character have?



Overriding is...



Same name,
same
parameters,
but in a
subclass



Same name,
same
parameters,
but in a
superclass



Same name,
different
parameters



Overloading is...



Same name,
same
parameters,
but in a
subclass



Same name,
same
parameters,
but in a
superclass



Same name,
different
parameters

Upcast



Always safe,
must be
done
explicitly



Always safe,
can be
done
implicitly



Not always
safe, could
throw an
error



Downcast



Always safe,
must be
done
explicitly



Always safe,
can be
done
implicitly



Not always
safe, could
throw an
error



Downcast



Must be done
explicitly



Can be done
implicitly



Attribute with the same name in a subclass as one that already exists in the superclass



In Java when I call a method, the arguments are passed



Even though its call-by-value, the values passed are usually



Java constructors are named



Abstract classes provide



Concrete (normal) classes provide



Interfaces provide









What's the quick rule of thumb to determine if something should be an inheritance?







					
Can be used anywhere another class is used without breaking things	"is a"	Has a few method signatures in common with other classes	weak "has a" / whole & parts	"made out of its own" / strong "has a"	"knows about" / "goes well with"



What's the Liskov Substitution principle to determine if something should be an inheritance?




					
Can be used anywhere another class is used without breaking things	"is a"	Has a few method signatures in common with other classes	weak "has a" / whole & parts	"made out of its own" / strong "has a"	"knows about" / "goes well with"

What's the quick rule of thumb to determine if something should be an association?

					
Can be used anywhere another class is used without breaking things	"is a"	Has a few method signatures in common with other classes	weak "has a" / whole & parts	"made out of its own" / strong "has a"	"knows about" / "goes well with"









What's the quick rule of thumb to determine if something should be an aggregation?

					
Can be used anywhere another class is used without breaking things	"is a"	Has a few method signatures in common with other classes	weak "has a" / whole & parts	"made out of its own" / strong "has a"	"knows about" / "goes well with"



What's the quick rule of thumb to determine if something should be an composition?

					
Can be used anywhere another class is used without breaking things	"is a"	Has a few method signatures in common with other classes	weak "has a" / whole & parts	"made out of its own" / strong "has a"	"knows about" / "goes well with"

Is composition relationship enforced in Java?



For a composition relationship...



Part instances are deleted when the Whole instance is



Doesn't have a Whole and Part(s) style relationship



Part instances can be shared (they aren't exclusive)

For an aggregation relationship...



Part instances are deleted when the Whole instance is



Doesn't have a Whole and Part(s) style relationship



Part instances can be shared (they aren't exclusive)



For an association relationship...



Part instances are deleted when the Whole instance is



Doesn't have a Whole and Part(s) style relationship



Part instances can be shared (they aren't exclusive)

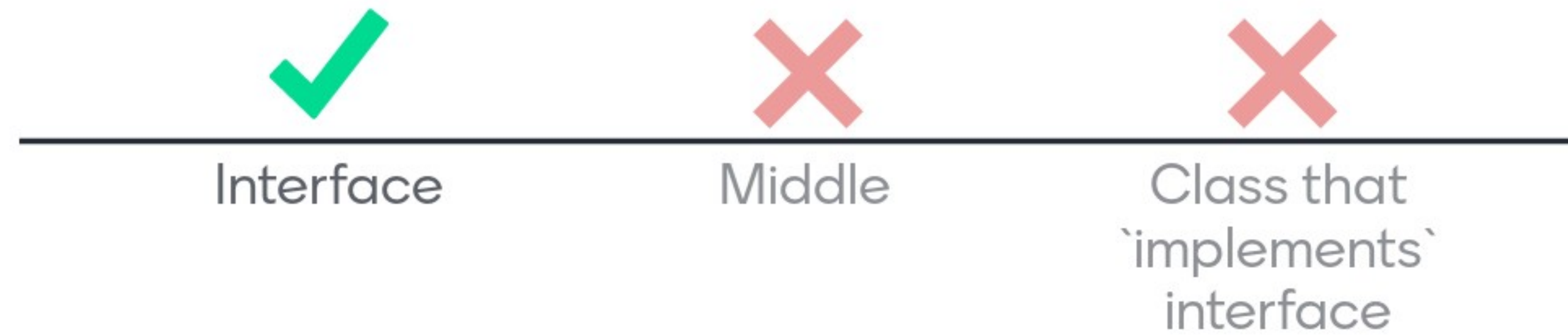
The diamond goes on the side of the ...



The arrow goes on the side of the ...



The arrow goes on the side of the ...



end

