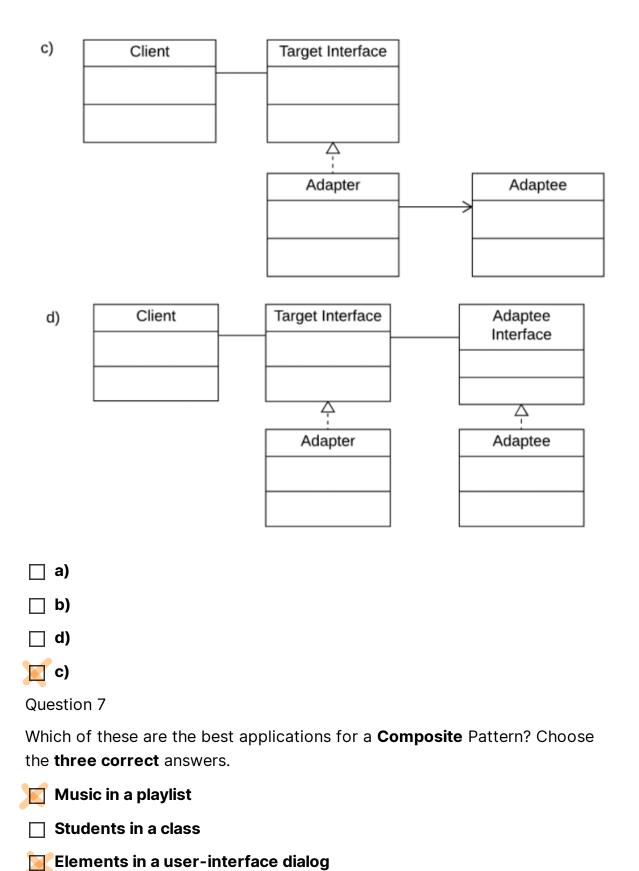
quiz no solution w1

Question 1
When is the best time to use a design pattern? Choose two answers.
☐ For a problem that is unique to your program.
For a commonly-encountered issue.
☐ When fixing spaghetti code
When explaining a solution to your fellow developers
Question 2
What is the purpose of the Singleton pattern? Select the two correct answers.
to provide global access to an object
☐ to enforce collaboration of a class with only one other class
to enforce instantiation of only one object of a class
☐ to provide simple classes with only one method
Question 3
What does it mean to "let the subclass decide" in the Factory Method Pattern?
the subclass defines the methods for concrete instantiation. As such, the type of object is determined by which subclass is instantiated.
Question 4
What do we call the creation of an object, for example, with the 'new' operator in Java?
Concrete instantiation

□ object realization □ class creation Question 5 What are the advantages of the Facade pattern? Select the three correct answers. □ The client and the subsystem are more loosely coupled □ The Facade class redirects requests as needed □ The complexity of the subsystem is hidden □ The subsystem can handle more clients Question 6 Which of the following diagrams shows the Adapter pattern? Adapter Interface □ Adaptee □ Adaptee □ Adaptee □ Adaptee □ Adaptee □ Adaptee				
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The subsystem can handle more clients Question 6 Which of the following diagrams shows the Adapter pattern? a) Client Adapter Interface Adaptee	The client and the subsystem	n are more loosely coupled		
The subsystem can handle more clients Question 6 Which of the following diagrams shows the Adapter pattern? a) Client Adapter Interface Adaptee	The Facade class redirects requests as needed			
Question 6 Which of the following diagrams shows the Adapter pattern? Adapter Interface Adaptee	The complexity of the subsystem is hidden			
a) Client Adapter Interface Adaptee	☐ The subsystem can handle m	nore clients		
Adapter Interface Adaptere Adaptee	Question 6			
Adaptee	Which of the following diagrams s	shows the Adapter pattern?		
	a) Client	Adapter Interface		
b) Client Adapter Adaptee		Adaptee		
b) Client Adapter Adaptee				
b) Client Adapter Adaptee				
Adapter Adaptee Adaptee	h) Olicani	Adams		
	Client	Adapter Adaptee		



Files and folders
Question 8
Which of these is NOT a common application of the Proxy Pattern?
☐ remote proxy
☐ protection proxy
□ virtual proxy
information proxy
Question 9
How does a Decorator Pattern work? Choose one.
☐ encapsulates a class to give it a different interface
expands the methods of a class with inheritance
builds a behaviour by stacking objects
adding features to a class with a new class
Question 10
What are the object types that are used in the ${\bf Composite}$ Pattern? Select the ${\bf two}$ ${\bf correct}$ answers.
leaf
□ branch
□ root
composite
☐ trunk
Question 11
Many different clients need to create a similar object. You would like to outsource this concrete instantiation to a dedicated class. Which technique will you use, in one word?
□ factory method
Question 12

How do you enforce the creation of only one Singleton object? Select the **two correct** answers.

1/1 point

Give the Singleton class a private constructor
☐ Specify in the comments that only one Singleton object is to be instantiated.
☐ Throw an exception if a Singleton object is already instantiated
Write a method that can create a new Singleton object or return the
existing one.