GRADE 83.33%

1 / 1 point

Module 2 Review

LATEST SUBMISSION GRADE 83.33%

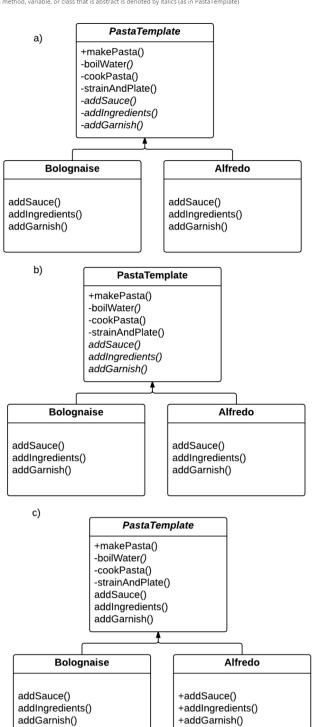
Choose the most appropriately implemented Template pattern.

Some UML reminders that will help you:

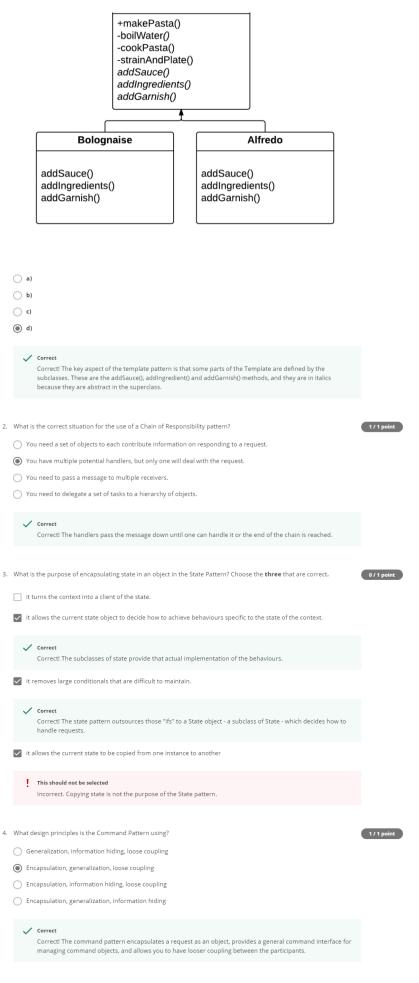
d)

1. a private method or variable is denoted by a - as in -boilWater().

2. a method, variable, or class that is abstract is denoted by italics (as in PastaTemplate)

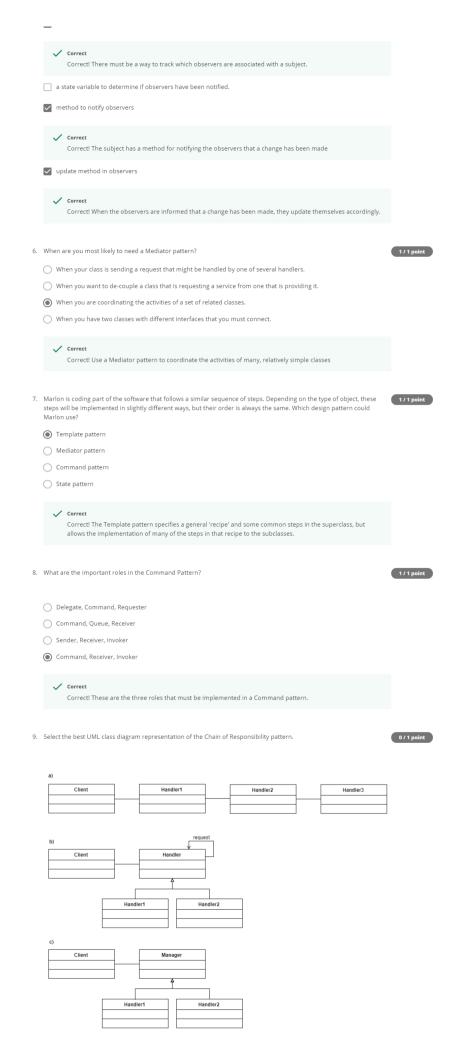


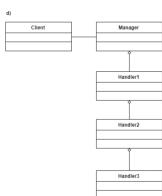
PastaTemplate



5. Which are the minimum requirements of the Observer pattern? Choose the **three** that are correct.

1 / 1 point





Ÿ
Handler2
Handler3
(a)
(b)
() c)
(d)
Incorrect Incorrect. The client should not have knowledge of a specific handler.
incorrect. The client should not have knowledge of a specific handler.
10. You have a machine performing a complex manufacturing task, with different sensors and different components of the machine represented by different classes. Which design pattern will you use to arrange the parts?
○ Template
Command
Mediator
Chain of Responsibility
✓ Correct
Correct! The Mediator pattern is useful when coordinating the activities of many interrelated classes.
11. You have a security system class, and it has 3 modes: normal, lockdown, and open. Which pattern would you use to model
the behaviour in these different modes?
○ Mediator
○ Template
State
Observer
✓ Correct
Correct! This pattern is useful when a class has a collection of behaviours that are a little bit different while the system is in different states.
12. One of your classes represents a mailbox, while another is the owner of the mailbox. The person would like to know when 1/1 point
new mail arrives. Which design pattern will you probably use?
Command
Mediator
State
Observer
<u> </u>
✓ Correct
Correct! Observer pattern is like subscribing. The Owner is alerted when the mailbox has new mail.