

2025 Fall

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[M4] Individual Readiness Assurance Test (iRAT) Results for Christine En-Tse Cheng

Score for this attempt: 4 out of 5
Submitted Nov 6 at 6:21p.m.
This attempt took 6 minutes.

Quiz Submissions

Attempt 1: 4

Christine En-Tse Cheng has 1 attempt left

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Correct answer

Question 1

1 / 1 pts

In section 12 of the course notes, we talk about design patterns. A **design pattern** is:

- ☐ The same as an anti-pattern but with the method calls going in the opposite direction
- ☐ A UML diagram that describes the code in the anti-pattern
- ☐ The only way to solve a common programming problem
- ☒ A popular way to solve a common programming problem

Correct answer

Question 2

1 / 1 pts

Which of the following design patterns is used to encapsulate constructor calls?

- ☒ Factory
- ☐ Strategy
- ☐ Observer
- ☐ Façade

Correct answer

Question 3

1 / 1 pts

Which of the following design patterns separate the cause from its effect?

- ☐ Factory
- ☐ Strategy
- ☒ Observer
- ☐ Façade

Correct answer

Question 4

1 / 1 pts

Which of the following design patterns can be used to allow the program to interact with something outside of the program or preexisting code that was written for a different purpose?


- ☐ Façade
- ☒ Adapter
- ☐ Observer
- ☐ Builder

Wrong answer

Question 5


0 / 1 pts

Imagine that a program was originally written to store entity information in a text file outside of the program. Then it was updated to use JSON. The original Data Access Object (DAO) had to be replaced with a new one that implemented the same Data Access Interface. The fact that the Use Case Interactor can be instantiated with an instance of either DAO is an implementation of which design pattern?

 ☒ Observer

☐ Builder

☐ Factory

 ☐ Strategy

Quiz Score: 4 out of 5