

Module 9 - Quiz

- Due Oct 28 at 11:59pm
- Points 100
- Questions 10
- Time Limit 30 Minutes
- Allowed Attempts 2

Instructions

The purpose of this quiz is to check your understanding of and reinforce key concepts covered in this module.

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Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	11 minutes	80 out of 100

❗ Correct answers are hidden.

Score for this attempt: 80 out of 100

Submitted Oct 27 at 9:54pm

This attempt took 11 minutes.



Question 1

10 / 10 pts

In a sequence diagram, a dashed line with an arrow represents what?

- ☐ An association
- ☒ A return
- ☐ A message
- ☐ An event



Question 2

10 / 10 pts

In analysis modeling, the two ways that information is held inside the system is in terms of attributes within objects and _____.

- ☐ System operations
- ☒ Links between objects
- ☐ Generalization specialization relationships

☐ Classifier scoped operations



Question 3

10 / 10 pts

Which of the following is not a kind of frame that is used in a UML sequence diagram?

☐ Loop

☐ Ref

☒ Int

☐ Alt



Question 4

10 / 10 pts

To represent the invocation of a classifier scoped operation in a sequence diagram, you send the message to what?

☐ Boundary object

☐ Actor

☒ Object instance of the metaclass Class

☐ Constructor



Question 5

10 / 10 pts

The UML terminology for the region in an activity diagram frequently called a swim lane is what?

☐ Critical region

☐ Asynchronous region

☒ Partition

☐ Lifeline



IncorrectQuestion 6

0 / 10 pts

The reason we add an arrow head on an association line in the design class diagram is to show what?

☐ Inheritance direction

☒ The referential attributes are stored in the class on the arrow head end of the line

☐ The referential attributes are stored in the class on the end of the line away from the arrowhead

☐ The proper way to read the name of the association



Question 7

10 / 10 pts

Java and Smalltalk have single inheritance while C++ and Python support multiple inheritance. We take this into account during:

- ☐ Analysis
- ☐ Both analysis and design
- ☒ Design
- ☐ Requirements



Question 8

10 / 10 pts

For analysis modeling, we sometimes invent special objects for the purpose of modeling communication between the objects inside the system and the actors outside the system. These objects are referred to as what?

- ☐ Communication objects
- ☐ Entity objects
- ☒ Boundary objects
- ☐ System objects



IncorrectQuestion 9

0 / 10 pts

If I want to be able to send a message from an instance of class A to an instance of class B

- ☐ I can just send the message. It will find its way to the receiver object.



I must obtain a reference to the instance of class B but it doesn't need to be stored as a link attribute in the object instance of either class.

- ☐ I must have a link stored in the instance of class B, pointing to the instance of class A.
- ☒ I must have a link stored in the instance of class A, pointing to the instance of class B.



Question 10

10 / 10 pts

In a sequence diagram, the dashed lines that are shown below the object instance boxes are called what?

- ☐ Messages
- ☐ Associations
- ☐ Swimlanes
- ☒ Lifelines

Quiz Score: 80 out of 100