

Status Finished**Started** Wednesday, 2 October 2024, 8:11 PM**Completed** Wednesday, 2 October 2024, 8:12 PM**Duration** 1 min 35 secs**Grade** 10.00 out of 10.00 (100%)**Question 1**

Correct

Mark 1.00 out of 1.00

Choose the best answer about system modeling.

Select one:

- ☒ a. All of the other answers are correct.
- ☐ b. System modeling has now come to mean representing a system using some kind of graphical notation, which is now almost always based on notations in the Unified Modeling Language (UML).
- ☐ c. System modeling is the process of developing abstract models of a system, with each model presenting a different view or perspective of that system.
- ☐ d. System modeling helps the analyst to understand the functionality of the system and models are used to communicate with customers.

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 1.00 out of 1.00

A use-case diagram DO NOT consist of _____ .

Select one:

- ☒ a. Class
- ☐ b. <<include>> arrow
- ☐ c. Actor
- ☐ d. <<extend>> arrow

Correct

Marks for this submission: 1.00/1.00.



Question 3

Correct

Mark 1.00 out of 1.00

A context model _____ .

Select one:

- ☒ a. describes the system boundary to define what is inside and what is outside the system.
- ☐ b. All of the other answers are correct.
- ☐ c. is a process perspective, i.e. to show how the system interacts with the other systems.
- ☐ d. provides the structural perspective of the system.

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct

Mark 1.00 out of 1.00

A sequence diagrams DO NOT consist of _____ .

Select one:

- ☐ a. Class / Object
- ☐ b. Component
- ☒ c. State
- ☐ d. Actor

Correct

Marks for this submission: 1.00/1.00.



Question 5

Correct

Mark 1.00 out of 1.00

An interaction model _____ .

Select one:

- ☒ a. All of the other answers are correct.
- ☐ b. Models user-to-system interaction.
- ☐ c. Models system-to-system interaction.
- ☐ d. Models component-to-component interaction.

Correct

Marks for this submission: 1.00/1.00.

Question 6

Correct

Mark 1.00 out of 1.00

One of the purpose of systems modeling is for _____ .

Select one:

- ☒ a. Communication between software engineers.
- ☐ b. None of the other answers is correct.
- ☐ c. Debugging
- ☐ d. Decorating documents in software development.

Correct

Marks for this submission: 1.00/1.00.



Question 7

Correct

Mark 1.00 out of 1.00

Which of the following about perspective is correct?

Select one:

- ☒ a. All of the other answers are correct.
- ☐ b. External perspective is to model the context or environment of the system.
- ☐ c. Interaction perspective is to model the interactions between a system and its environment, or between the components of a system.
- ☐ d. Structural perspective is to model the organization of a system or the structure of the data that is processed by the system..

Correct

Marks for this submission: 1.00/1.00.

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following about UML diagram is NOT correct?

Select one:

- ☐ a. A sequence diagram may show the interactions between internal components.
- ☐ b. A sequence diagram can be used to detail a use-case.
- ☐ c. A sequence diagram may show the sequence of interactions of a use-case
- ☒ d. A use-case diagram the interactions between system components.

Correct

Marks for this submission: 1.00/1.00.



Question 9

Correct

Mark 1.00 out of 1.00

Which of the following UML diagrams can be used in interaction perspective?

Select one:

- ☐ a. Collaboration/Communication.
- ☐ b. Use-case.
- ☒ c. All of the other answers are correct.
- ☐ d. Sequence.

Correct

Marks for this submission: 1.00/1.00.

Question 10

Correct

Mark 1.00 out of 1.00

Which of the following UML diagrams defines the set of components and their relationship (interaction)?

Select one:

- ☐ a. Use-case.
- ☐ b. State.
- ☒ c. Collaboration/Communication.
- ☐ d. Activity.

Correct

Marks for this submission: 1.00/1.00.

