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**Started on** Thursday, 23 December 2021, 3:48 PM

**State** Finished

**Completed on** Thursday, 23 December 2021, 3:54 PM

**Time taken** 6 mins 19 secs

**Grade** 3.50 out of 5.00 (70%)

Question **1**

Correct

Mark 1.00 out of 1.00

What is design?

Select one or more:

- ☐ a. Determination of the events an object performs or experiences
- ☒ b. Determining the operations an object can carry out and make available to other objects in the system ✓
- ☒ c. Determining how to get access to an object ✓
- ☐ d. Determination of a phenomenon in the context of the IT-system
- ☒ e. Determination of a phenomenon in the IT-system ✓
- ☐ f. Identification of objects

The correct answers are: Determining how to get access to an object, Determination of a phenomenon in the IT-system, Determining the operations an object can carry out and make available to other objects in the system



## Question 2

Incorrect

Mark 0.00 out of 1.00

Which are activities in component design:

Select one or more:

- ☐ a. design of the connection between components
- ☒ b. determining the design criteria ✖
- ☒ c. design of the function component ✔
- ☒ d. designing the component architecture ✖
- ☒ e. design of the model component ✔
- ☐ f. designing the process architecture

The correct answers are: design of the model component, design of the function component, design of the connection between components

## Question 3

Correct

Mark 1.00 out of 1.00

When designing the model component for private events:

Select one or more:

- ☒ a. for a selection, create an attribute ✔
- ☒ b. for an iteration, create a new class ✔
- ☐ c. for a sequence, create a new class
- ☒ d. for a sequence, create an attribute ✔
- ☐ e. for an iteration, create an attribute
- ☐ f. for a selection, create a new class

The correct answers are: for a selection, create an attribute, for a sequence, create an attribute, for an iteration, create a new class



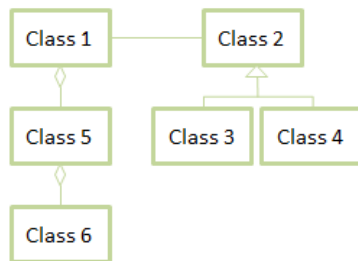
## Question 4

Partially correct

Mark 0.50 out of 1.00

Given the event table and class diagram; which of these statements are correct?

	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6
Event 1	+	*				
Event 2		+	*	*		
Event 3	*					
Event 4	*				+	
Event 5					*	*



Select one or more:

- ☐ a. To represent event 1 a new class aggregated to class 1 must be created
- ☐ b. To represent event 2 a new attribute must be created on class 2
- ☐ c. To represent event 2 a new attribute must be created on class 3 or 4
- ☒ d. To represent event 3 a new class aggregated to class 1 must be created ✓
- ☐ e. To represent event 4 a new class aggregated to class 1 must be created
- ☐ f. To represent event 4 an attribute must be created on class 5
- ☒ g. To represent event 5 a new class must either be aggregated to class 5 or class 6 ✓
- ☐ h. To represent event 5 two new classes each aggregated to class 5 and 6 must be created

The correct answers are: To represent event 2 a new attribute must be created on class 2, To represent event 3 a new class aggregated to class 1 must be created, To represent event 4 an attribute must be created on class 5, To represent event 5 a new class must either be aggregated to class 5 or class 6

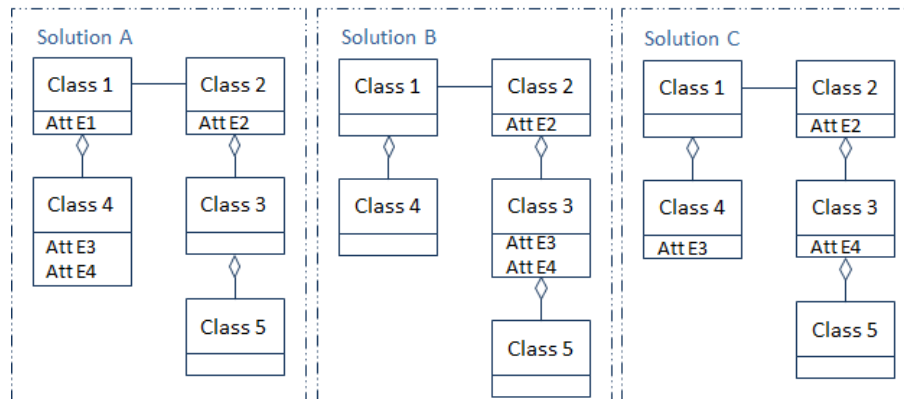
## Question 5

Correct

Mark 1.00 out of 1.00

Given the event table; which of the three solutions is/are correct model components?

	Class 1	Class 2	Class 3
Event 1	*		
Event 2		+	*
Event 3		*	+
Event 4	*		+
Event 5		*	*



Select one or more:

- ☐ a. Solution A
- ☒ b. Solution B ✓
- ☐ c. Solution C

The correct answer is: Solution B

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