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/ [Study Board of Computer Science](#) / [Courses](#) / [Systems Development \(SU\) \(DAT3, SW3 AAL\)](#) / [Lecture 6: Functions](#) / [Quiz 6 \(4 questions\)](#)

Started on Monday, 20 December 2021, 9:06 PM

State Finished

Completed on Monday, 20 December 2021, 9:09 PM

Time taken 2 mins 45 secs

Grade 3.75 out of 4.00 (94%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which are function types?

Select one or more:

- ☐ a. Process
- ☒ b. Update ✓
- ☒ c. Compute ✓
- ☒ d. Read ✓
- ☒ e. Signal ✓
- ☐ f. Find

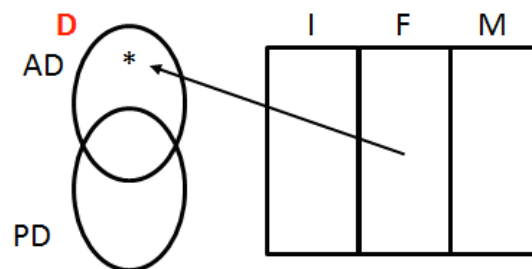
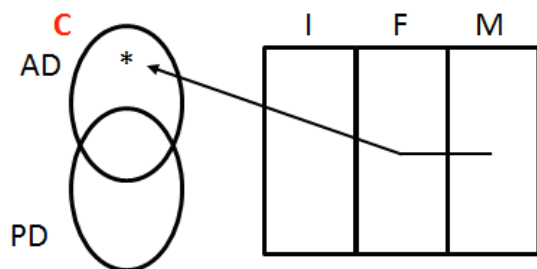
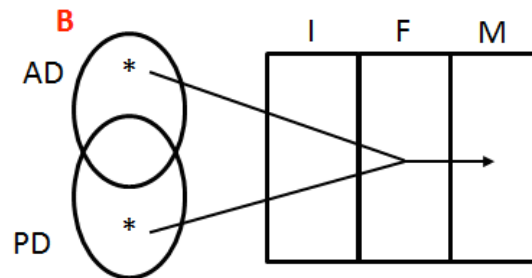
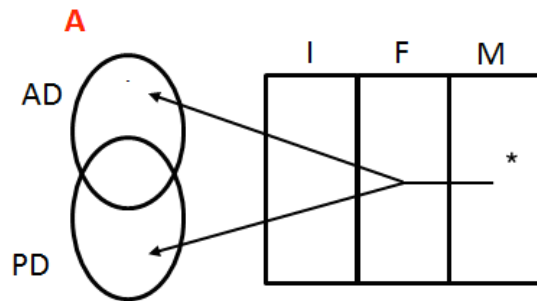
The correct answers are: Read, Update, Compute, Signal

Question 2

Correct

Mark 1.00 out of 1.00

Match the function types with the diagrams:



- | | | |
|---|---------|---|
| A | Signal | ✓ |
| B | Update | ✓ |
| C | Read | ✓ |
| D | Compute | ✓ |

The correct answer is: A → Signal, B → Update, C → Read, D → Compute

Question 3

Correct

Mark 1.00 out of 1.00

A read function is:

Select one:

- ☐ a. activated by an event in the problem domain and displays relevant parts of the model
- ☐ b. activated by a signal function and displays information about the application domain
- ☐ c. activated in the model and displays a calculation
- ☒ d. activated by an actor in the application domain and displays relevant parts of the model ✓

The correct answer is: activated by an actor in the application domain and displays relevant parts of the model

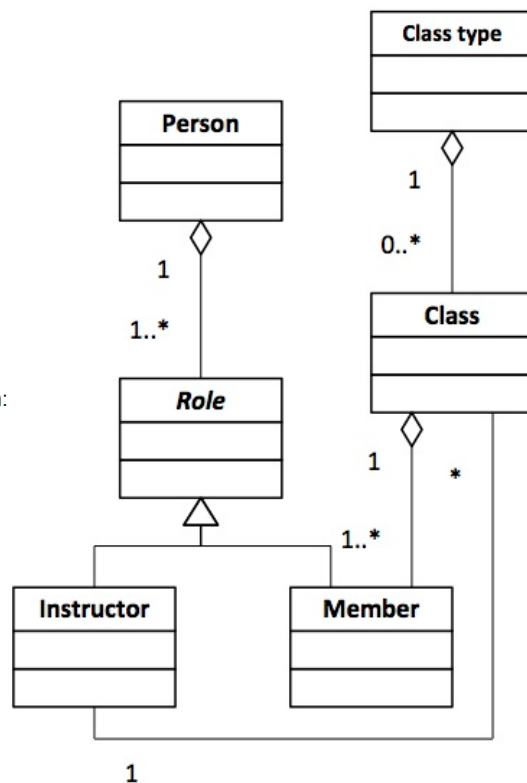
Question 4

Partially correct

Mark 0.75 out of 1.00

A proposed system shall manage members, instructors, and classes in a gym. The developers have built this class diagram following

their analysis of the problem domain:



Which pattern(s) are used in the diagram?

Select one or more:

- ☒ a. Role ✓
- ☐ b. Stepwise role
- ☐ c. Composite
- ☒ d. Item-descriptor ✓
- ☒ e. Hierarchy ✓
- ☐ f. Stepwise relation
- ☐ g. Relation
- ☐ h. Material

Your answer is partially correct.

You have correctly selected 3.

The correct answers are: Relation, Hierarchy, Item-descriptor, Role

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