

[Dashboard](#) / [Courses](#) / [Technical Faculty of IT and Design](#) / [Department of Computer Science](#) / [Autumn 2021](#)  
/ [Study Board of Computer Science](#) / [Courses](#) / [Systems Development \(SU\) \(DAT3, SW3 AAL\)](#) / [Lecture 10: Function Component](#)  
/ [Quiz 10 \(4 questions\)](#)

**Started on** Friday, 24 December 2021, 11:21 AM

**State** Finished

**Completed on** Friday, 24 December 2021, 11:24 AM

**Time taken** 3 mins 22 secs

**Grade** 3.00 out of 4.00 (75%)

Question **1**

Correct

Mark 1.00 out of 1.00

What are the results of the problem-domain analysis?

Select one or more:

- ☒ a. An event table ✓
- ☐ b. A component architecture
- ☐ c. State-chart diagrams describing use cases
- ☒ d. A class diagram describing classes and structure ✓
- ☐ e. An actor table
- ☒ f. State-chart diagrams describing the behavior of objects in classes ✓

The correct answers are: A class diagram describing classes and structure, State-chart diagrams describing the behavior of objects in classes, An event table

Question **2**

Correct

Mark 1.00 out of 1.00

An operation is a process property:

Select one:

- ☐ a. specified in the model component and activated through a class' objects.
- ☐ b. specified in a class and activated through the behavior pattern of the class.
- ☒ c. specified in a class and activated through the class' objects. ✓
- ☐ d. specified in the model component and activated through the behavior pattern of a class.

The correct answer is: specified in a class and activated through the class' objects.



## Question 3

Correct

Mark 1.00 out of 1.00

Which are function types?

Select one or more:

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

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

## Question 4

Incorrect

Mark 0.00 out of 1.00

A system to be used to control train traffic at Aalborg Railway Station: Which statements are correct?

Select one or more:

- ☒ a. A train sensor on the rails is part of the AD ✗
- ☐ b. A signal post and its signal can be part of both PD and AD, but it depends on which functions we require
- ☐ c. A signal post and its signal can be part of the PD
- ☐ d. A signal post and its signal cannot be part of PD and AD at the same time
- ☒ e. A signal post and its signal is part of the AD ✓
- ☒ f. A train sensor on the rails may be part of the PD ✓
- ☐ g. A train sensor on the rails is not an object and neither part of the PD nor part of the AD because it is just an input device

The correct answers are: A signal post and its signal is part of the AD, A signal post and its signal can be part of the PD, A signal post and its signal can be part of both PD and AD, but it depends on which functions we require, A train sensor on the rails may be part of the PD, A train sensor on the rails is not an object and neither part of the PD nor part of the AD because it is just an input device

[◀ Contents](#)

Jump to...

[Slides from Lecture 10 ▶](#)

