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/ [Lecture 8: Architectural Design, Criteria and Components](#) / [Quiz 8 \(5 questions\)](#)

**Started on** Wednesday, 22 December 2021, 3:32 PM

**State** Finished

**Completed on** Wednesday, 22 December 2021, 3:36 PM

**Time taken** 4 mins 26 secs

**Grade** 4.33 out of 5.00 (87%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which are the general criteria for design that OOA&D focuses on:

Select one or more:

- ☒ a. flexible ✓
- ☒ b. usable ✓
- ☐ c. testable
- ☐ d. correct
- ☐ e. efficient
- ☒ f. comprehensible ✓

The correct answers are: usable, flexible, comprehensible

Question **2**

Partially correct

Mark 0.67 out of 1.00

For the system controlling the train traffic at Aalborg Station, the following criteria is/are very important:

Select one or more:

- ☐ a. Usable
- ☒ b. Reliable ✓
- ☐ c. Interoperable
- ☒ d. Efficient ✗
- ☒ e. Correct ✓

The correct answers are: Correct, Reliable



## Question 3

Correct

Mark 1.00 out of 1.00

Which of the following statements are true?

Select one or more:

- ☐ a. in an closed-strict architecture a layer can use operations from the layers immediately below and above
- ☐ b. in an closed-relaxed architecture a layer can only use operations from the layer immediately above
- ☒ c. in an closed-relaxed architecture a layer can only use operations from the layers immediately above and below ✓
- ☒ d. in an open-relaxed architecture a layer can use operations from all layers above and below ✓
- ☐ e. in an open-strict architecture a layer can use operations from all layers above
- ☒ f. in an open-strict architecture a layer can use operations from all layers below ✓
- ☒ g. in a closed-strict architecture a layer can only use operations from the layer immediately below ✓
- ☐ h. in an open-relaxed architecture a layer can only use operations from layers below

The correct answers are: in an open-relaxed architecture a layer can use operations from all layers above and below, in a closed-strict architecture a layer can only use operations from the layer immediately below, in an open-strict architecture a layer can use operations from all layers below, in an closed-relaxed architecture a layer can only use operations from the layers immediately above and below

## Question 4

Partially correct

Mark 0.67 out of 1.00

Which statements are true for the client-server architecture?

Select one or more:

- ☐ a. a client never contains functionality
- ☒ b. the architecture of both the client and the server may consist of layers ✓
- ☐ c. both the client and server includes interfaces
- ☐ d. a server never contains parts of the model
- ☐ e. the clients' responsibility is to provide information to the server(s)
- ☒ f. the server's responsibility is to provide what is common for the clients ✓

The correct answers are: the server's responsibility is to provide what is common for the clients, the architecture of both the client and the server may consist of layers, both the client and server includes interfaces

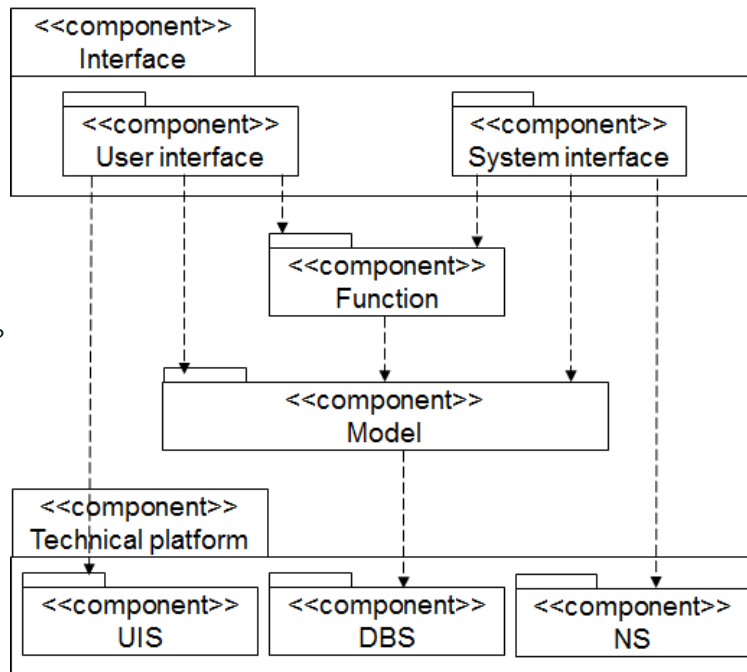


## Question 5

Correct

Mark 1.00 out of 1.00

Which architectural pattern is this?



Select one:

- ☒ a. The generic architecture pattern ✓
- ☐ b. The layered architecture pattern
- ☐ c. The client-server architecture pattern
- ☐ d. The general architecture pattern

The correct answer is: The generic architecture pattern

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