

# CPSA-FL<sup>Q&As</sup>

ISAQB Certified Professional for Software Architecture - Foundation Level (CPSA-FL)

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#### **QUESTION 1**

#### **HOTSPOT**

Which characteristics of a building block are only visible in the whitebox view, and for which characteristics does the blackbox view suffice? (Assign all answers.)

#### Hot Area:

Blackb	ox Whitebo	x
0	0	A) Public interfaces of the building block
0	0	B) Test coverage based on unit tests for sub building blocks contained in the building block
0	0	C) Test coverage based on integration tests
0	0	D) Code structure of the building block
0	0	E) Algorithms used in the building block
0	0	F) Security requirements of the building blocks
0	0	G) Implementation details for the security requirements of the building blocks

#### Correct Answer:

## Blackbox Whitebox

0	0	A) Public interfaces of the building block
0	0	B) Test coverage based on unit tests for sub building blocks contained in the building block
0	0	C) Test coverage based on integration tests
0	0	D) Code structure of the building block
0	0	E) Algorithms used in the building block
0	0	F) Security requirements of the building blocks
0	0	G) Implementation details for the security requirements of the building blocks

### **QUESTION 2**

Which of the following statements apply to design patterns? (Choose two.)

A. Design patterns are not invented but discovered.



- B. Design patterns should always be described alongside the problem they are supposed to solve.
- C. Design patterns are formally defined and can thus be proven to be correct.
- D. The number of design patterns used is proportional to the software architecture\\'s quality.

Correct Answer: AB

#### **QUESTION 3**

You want to demonstrate to colleagues that certain building blocks are suitable for the implementation of a use-case scenario. Which of the following UML diagrams is best suited for this?

- A. Use-case diagram
- B. Sequence diagram
- C. Activity diagram
- D. Class diagram

Correct Answer: A

Reference: https://www.lucidchart.com/pages/uml-use-case-diagram

## **QUESTION 4**

#### **HOTSPOT**

Decide if the following statements are true or false. The performance of a system (response time or throughput) often competes with its... (Assign all answers.)

Hot Area:

true	false	
0	0	A) flexibility
0	0	B) memory usage
0	0	C) on-time completion of the project
0	0	D) adaptability
0	0	E) usability
0	0	F) security
0	0	G) testability

Correct Answer:

true	false	
0	0	A) flexibility
0	0	B) memory usage
0	0	C) on-time completion of the project
0	0	D) adaptability
0	0	E) usability
0	0	F) security
0	0	G) testability

#### **QUESTION 5**

Which of the following statements are correct? (Choose two.)

- A. The push operation usually places a new element onto a stack.
- B. A stack acts exactly like a queue.
- C. A stack is organized according to the FIFO principle.
- D. A stack usually only provides access to one element at a time.

Correct Answer: AD

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