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**Đã bắt đầu vào lúc** Friday, 8 October 2021, 11:01 PM

**Tình trạng** Đã hoàn thành

**Hoàn thành vào lúc** Friday, 8 October 2021, 11:09 PM

**Thời gian thực hiện** 8 phút 20 giây

**Điểm** 10,00 của 10,00 (100%)

Câu hỏi 1

Chính xác

Điểm 1,00 của 1,00

Which of the following relationships between architectural views and UML diagrams are correct?

Chọn một:

- ☐ a. Logical: class diagram; process: sequence diagram; development: component diagram; physical: deployment.
- ☐ b. Logical: state-chart diagram; process: sequence diagram; development: component diagram; physical: deployment.
- ☐ c. All the other answers are correct.
- ☒ d. Logical: class diagram; process: activity diagram; development: component diagram; physical: deployment.



Câu trả lời đúng là: Logical: class diagram; process: activity diagram; development: component diagram; physical: deployment.

Câu hỏi **2**

Chính xác

Điểm 1,00 của 1,00

Software architectures \_\_\_\_ .

Chọn một:

- ☒ a. Are high-level/abstraction designs.
- ☐ b. Model the connections between hardware/components.
- ☐ c. Are low-level designs to program.
- ☐ d. All the other answers are correct.



Câu trả lời đúng là: Are high-level/abstraction designs.

Câu hỏi **3**

Chính xác

Điểm 1,00 của 1,00

What is an architectural pattern?

Chọn một:

- ☒ a. Stylized description of any good (architectural) design practice, which has been tried and tested in different environments.
- ☐ b. Stylized description of any good example about implementing computer program.
- ☐ c. None of the other answers is correct.
- ☐ d. Stylized description of any good example about designing a user user interface.



Câu trả lời đúng là: Stylized description of any good (architectural) design practice, which has been tried and tested in different environments.

Câu hỏi **4**

Chính xác

Điểm 1,00 của 1,00

Which is INCORRECT about the 4+1 (view) models in software architecture.

Chọn một:

- ☐ a. Use-case view shows the use-cases or scenarios.
- ☐ b. Process view shows how, at runtime, the system is composed of interacting processes.
- ☐ c. Logical view shows the key abstractions in the system as objects and classes.
- ☒ d. Development or Implementation view is for presenting how the components/sub-systems are distributed around the network.



Câu trả lời đúng là: Development or Implementation view is for presenting how the components/sub-systems are distributed around the network.


Câu hỏi **5**

Chính xác

Điểm 1,00 của 1,00

Which of the following is acceptable in software architecture decision?

Chọn một:

- ☒ a. All the other answers are correct. 
- ☐ b. Accepting duplicated components to increase the Availability
- ☐ c. Making layers to hide key component/data to increase the Security.
- ☐ d. Localizing the kernel functions and minimizing the interaction between components to increase the performance.

Câu trả lời đúng là: All the other answers are correct.


Câu hỏi **6**

Chính xác

Điểm 1,00 của 1,00

Software architecture design is \_\_\_\_ .

Chọn một:

- ☒ a. All the other answers are correct. 
- ☐ b. Often carried out in parallel with some specification activities.
- ☐ c. Basically to identify major system components and their communications
- ☐ d. An early stage in software design

Câu trả lời đúng là: All the other answers are correct.


Câu hỏi **7**

Chính xác

Điểm 1,00 của 1,00

Which of the following is NOT acceptable in software architecture decision?

Chọn một:

- ☒ a. Use important and non-replaceable components to make the system stable for increase the maintainability. 
- ☐ b. Localize safety-critical features in a small number of sub-systems to increase safety.
- ☐ c. Critical components should be deployed on the same machine rather than distributed around the network to have better performance.
- ☐ d. Secure important components for security.

Câu trả lời đúng là: Use important and non-replaceable components to make the system stable for increase the maintainability.

Câu hỏi **8**

Chính xác

Điểm 1,00 của 1,00

The 4+1 (view) models in software architecture design are \_\_\_\_.

Chọn một:

- ☒ a. Logical, Process, Development, Physical, and Use-case or Scenario.
- ☐ b. All the other answers are correct.
- ☐ c. Static, Dynamic, Process, Implementation, and Deployment.
- ☐ d. Context, Interaction, Behavioral, State, and Data.



Câu trả lời đúng là: Logical, Process, Development, Physical, and Use-case or Scenario.

Câu hỏi **9**

Chính xác

Điểm 1,00 của 1,00

In software architecture design, which of the following decomposition approaches can be used?

Chọn một:

- ☐ a. Maximum coupling (more inter-component connections/relations) and minimum cohesion (less inner-component connection relations).
- ☐ b. Balancing both inner-components and inter-components connections/relations (cohesion ~ coupling).
- ☐ c. None of the other answers is correct.
- ☒ d. Minimum coupling (less inter-component connections/relations) and Maximum cohesion (more inner-component connection relations).



Câu trả lời đúng là: Minimum coupling (less inter-component connections/relations) and Maximum cohesion (more inner-component connection relations).

Câu hỏi **10**

Chính xác

Điểm 1,00 của 1,00

Software architecture is decided based on \_\_\_\_.

Chọn một:

- ☐ a. Functional and non-functional requirements.
- ☒ b. All the other answers are correct.
- ☐ c. Pre-defined decision criteria
- ☐ d. Application types and equivalent architectures.



Câu trả lời đúng là: All the other answers are correct.

[◀ Quiz#06.2. System Modeling. 2](#)

Chuyển tới...

[Quiz#07.2. Architecture - advanced ▶](#)

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