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Đã bắt đầu vào lúc Friday, 29 October 2021, 7:25 PM

Tình trạng Đã hoàn thành

Hoàn thành vào lúc Friday, 29 October 2021, 7:29 PM

Thời gian thực hiện 3 phút 34 giây

Điểm 10,00 của 10,00 (100%)

Câu hỏi 1

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. Stylized description of any good example about designing a user user interface.
- ☐ d. None of the other answers is correct.

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

Câu hỏi **2**

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. Secure important components for security.
- ☐ c. Localize safety-critical features in a small number of sub-systems to increase safety.
- ☐ d. Critical components should be deployed on the same machine rather than distributed around the network to have better performance.

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

Câu hỏi **3**

Chính xác

Điểm 1,00 của 1,00

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

Chọn một:

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

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

Câu hỏi **4**

Chính xác

Điểm 1,00 của 1,00

Software architectures ____ .

Chọn một:

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

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

Câu hỏi **5**

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. Development or Implementation view is for presenting how the components/sub-systems are distributed around the network. ✓
- ☐ d. Logical view shows the key abstractions in the system as objects and classes.

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

Câu hỏi **6**

Chính xác

Điểm 1,00 của 1,00

Software architecture design is ____ .

Chọn một:

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

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 acceptable in software architecture decision?

Chọn một:

- ☐ a. Making layers to hide key component/data to increase the Security.
- ☐ b. Accepting duplicated components to increase the Availability
- ☒ c. All the other answers are correct. ✓
- ☐ 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 **8**

Chính xác

Điểm 1,00 của 1,00

Software architecture is decided based on ____.

Chọn một:

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



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

Câu hỏi **9**

Chính xác

Điểm 1,00 của 1,00

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

Chọn một:

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



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

Câu hỏi **10**

Chính xác

Điểm 1,00 của 1,00

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

Chọn một:

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



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

[◀ Quiz#06.2. System Modeling. 2 - advanced - 23.10.2021](#)[Chuyển tới...](#)[Quiz#07.2. Architecture - advanced - 30.10.2021 ▶](#)

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