



[Trang của tôi](#) / [Khoa học](#) / [Học kỳ I năm học 2021-2022 \(Semester 1 - Academic year 2021-2022\)](#)

/ [Đại Học Chính Qui \(Bachelor program \(Full-time study\)\)](#).

/ [Khoa Khoa học và Kỹ thuật Máy tính \(Faculty of Computer Science and Engineering\)](#) / [Công Nghệ Phần Mềm](#)

/ [Công nghệ phần mềm \(CO3001\) Lê Đình Thuận \(DH\\_HK211\)](#) / Quizzes / [Quiz#07.1. Architecture - 30.10.2021](#)

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

lúc

Tình trạng Đã hoàn thành

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

lúc

Thời gian thực 3 phút 34 giây

hiện

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 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 ►](#)

**Copyright 2007-2021 Trường Đại Học Bách Khoa - ĐHQG Tp.HCM. All Rights Reserved.**

Địa chỉ: Nhà A1- 268 Lý Thường Kiệt, Phường 14, Quận 10, Tp.HCM.

Email: elearning@hcmut.edu.vn

Phát triển dựa trên hệ thống Moodle