



BÁCH KHOA E-LEARNING

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Đã bắt đầu vào lúc	Friday, 29 October 2021, 7:29 PM
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Tình trạng	Đã hoàn thành
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Hoàn thành vào lúc	Friday, 29 October 2021, 7:33 PM
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Thời gian thực hiện	4 phút 7 giây
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Điểm	10,00 của 10,00 (100%)
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Câu hỏi 1

Chính xác

Điểm 1,00 của 1,00

To increase performance, which of the following is a good choice?

Chọn một:

- ☐ a. Hide kernel functions in deep layers.
- ☒ b. Localizing the kernel functions and minimizing the interaction between components.
- ☐ c. Duplicate kernel functions.
- ☐ d. All the other answers are correct.



Câu trả lời đúng là: Localizing the kernel functions and minimizing the interaction between components.

Câu hỏi **2**

Chính xác

Điểm 1,00 của 1,00

To increase maintainability, which of the following is a good choice?

Chọn một:

- ☒ a. Use fine-grain, replaceable components.
- ☐ b. Duplicate key components.
- ☐ c. All the other answers are correct.
- ☐ d. Localize safety-critical features in a small number of sub-system.



Câu trả lời đúng là: Use fine-grain, replaceable components.

Câu hỏi **3**

Chính xác

Điểm 1,00 của 1,00

To increase security, which of the following is a good choice?

Chọn một:

- ☐ a. Localizing the key components/data and minimizing the interaction between those components.
- ☐ b. All the other answers are correct.
- ☐ c. Duplicate key components/data.
- ☒ d. Hide key components/data in layers.



Câu trả lời đúng là: Hide key components/data in layers.

Câu hỏi **4**

Chính xác

Điểm 1,00 của 1,00

Suppose that we can only have the following architectures for a university management system, which is the best selection?

Chọn một:

- ☒ a. Repository: data and kernel components can be in the repository and other sub-systems can be separated.
- ☐ b. MVC: the university data as model, kernel functions as controllers and others are views.
- ☐ c. Compiler: allow to compile data and computational results.
- ☐ d. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.



Câu trả lời đúng là: Repository: data and kernel components can be in the repository and other sub-systems can be separated.

Câu hỏi **5**

Chính xác

Điểm 1,00 của 1,00

Which of the following is correct about using architectural patterns?

Chọn một:

- ☐ a. Only famous patterns can be used.
- ☐ b. Each pattern can only be implemented in some programming language.
- ☒ c. None of the other answers is correct.
- ☐ d. In a software, only one pattern can be used.



Câu trả lời đúng là: None of the other answers is correct.

Câu hỏi **6**

Chính xác

Điểm 1,00 của 1,00

Which of the following architectural pattern can be used in general for information systems (multi-users, centralized data)?

Chọn một:

- ☐ a. Client-server architecture: clients are applications and the server is only for data.
- ☐ b. All the architectures in the other answers are good to be used.
- ☐ c. Language processing system architecture: the Translator component is for checking syntax and semantic from the users, the Interpreter component is for executing verified commands from the users.
- ☒ d. Layer architecture: user interface, user communications (and authentication), information retrieval, and system database layers.



Câu trả lời đúng là: Layer architecture: user interface, user communications (and authentication), information retrieval, and system database layers.

Câu hỏi **7**

Chính xác

Điểm 1,00 của 1,00

To increase safety, which of the following is a good choice?

Chọn một:

- ☐ a. Use fine-grain, replaceable components.
- ☐ b. All the other answers are correct.
- ☐ c. Duplicate key components.
- ☒ d. Localize safety-critical features in a small number of sub-system.



Câu trả lời đúng là: Localize safety-critical features in a small number of sub-system.


Câu hỏi **8**

Chính xác

Điểm 1,00 của 1,00

Suppose that we can only have the following architectures for a child tracking app running on a mobile device, which is the best selection?

Chọn một:

- ☐ a. Compiler: allow to compile data and computational results.
- ☐ b. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.
- ☐ c. Repository: data and kernel components can be in the repository and other sub-systems can be separated.
- ☒ d. MVC: Model-View-Controller. 

Câu trả lời đúng là: MVC: Model-View-Controller.


Câu hỏi **9**

Chính xác

Điểm 1,00 của 1,00

Suppose that we can only have the following architectures for a distributed computation system, which is the best selection?

Chọn một:

- ☒ a. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client. 
- ☐ b. Compiler: allow to compile data and computational results.
- ☐ c. All the other answers are correct.
- ☐ d. Layer, the user-interface is on web: allows multi-platform and mutual data in computation.

Câu trả lời đúng là: Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.


Câu hỏi **10**

Chính xác

Điểm 1,00 của 1,00

Suppose that we can only have the following architectures for an online course registration system, which is the best selection?

Chọn một:

- ☒ a. Layer, the user-interface is on web: allows multi-platform and mutual registration (courses have limited number of seats). 
- ☐ b. Client-server, students can install the software on their personal computer/laptop: maximize the computation in the personal computer/laptop.
- ☐ c. All the other answers are correct.
- ☐ d. Compiler: allows to compile the registration into the language that can be understood by the system.

Câu trả lời đúng là: Layer, the user-interface is on web: allows multi-platform and mutual registration (courses have limited number of seats).

[◀ Quiz#07.1. Architecture - 30.10.2021](#)[Chuyển tới...](#)[Video 0 - Giới thiệu khóa học ▶](#)

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