BÁCH KHOA E-LEARNING

Đã bắt đầu vào lúc	Friday, 15 October 2021, 12:43 PM
Tình trạng	Đã hoàn thành
Hoàn thành vào lúc	Friday, 15 October 2021, 12:47 PM
Thời gian thực hiện	3 phút 36 giây
Điểm	**10,00** của 10,00 (**100**%)

Câu hỏi **1**

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. All the other answers are correct.

◉ 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. Compiler: allow to compile data and computational results.

○ 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 **2**

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. Hide key components/data in layers.   ✔

○ c. All the other answers are correct.

○ d. Duplicate key components/data.

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

Câu hỏi **3**

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

◉ b. Repository: data and kernel components can be in the repository and other sub-systems can be separated.   ✔

○ c. MVC: the university data as model, kernel functions as controllers and others are views.

○ d. Compiler: allow to compile data and computational results.

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

Câu hỏi **4**

Chính xác

Điểm 1,00 của 1,00

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

Chọn một:

○ a. All the other answers are correct.

○ b. Localize safety-critical features in a small number of sub-system.

○ c. Duplicate key components.

◉ d. Use fine-grain, replaceable components.   ✔

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

Câu hỏi **5**

Chính xác

Điểm 1,00 của 1,00

Which of the following is correct about using architectural patterns?

Chọn một:

   ○ a. In a software, only one pattern can be used.

   ◉ b. None of the other answers is correct.   ✔

   ○ c. Each pattern can only be implemented in some programming language.

   ○ d. Only famous patterns 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. 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.

   ○ c. All the architectures in the other answers are good to be used.

   ◉ 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. Localize safety-critical features in a small number of sub-system.   ✔

   ○ b. Duplicate key components.

   ○ c. Use fine-grain, replaceable components.

   ○ d. All the other answers are correct.

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

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

Chọn một:

○ a. Hide kernel functions in deep layers.

○ b. Duplicate kernel functions.

○ c. All the other answers are correct.

◉ d. Localizing the kernel functions and minimizing the interaction between components. ✔

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

Câu hỏi **9**

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. Compiler: allows to compile the registration into the language that can be understood by the system.

○ 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. Layer, the user-interface is on web: allows multi-platform and mutual registration (courses have limited number of seats). ✔

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

Câu hỏi **10**

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. Repository: data and kernel components can be in the repository and other sub-systems can be separated.

◉ c. MVC: Model-View-Controller. ✔

○ 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: MVC: Model-View-Controller.

◄ Quiz#07.1. Architecture - 30.10.2021

Chuyển tới...

Video 0 - Giới thiệu khóa học ►