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Đã bắt đầu vào Wednesday, 20 October 2021, 10:10 PM
lúc

Tình trạng Đã hoàn thành

Hoàn thành vào Wednesday, 20 October 2021, 10:16 PM
lúc

Thời gian thực 5 phút 40 giây
hiện

Câu hỏi 1

Hoàn thành

Chấm điểm của 1,00

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

Chọn một:

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

Câu hỏi 2

Hoàn thành

Chấm điểm 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. Layer, the user-interface is on web: allows multi-platform and mutual data in computation.
- ☐ d. Compiler: allow to compile data and computational results.

Câu hỏi **3**

Hoàn thành

Chấm điểm 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. Layer, the user-interface is on web: allows multi-platform and mutual registration (courses have limited number of seats).
- ☐ c. All the other answers are correct.
- ☐ d. Client-server, students can install the software on their personal computer/laptop: maximize the computation in the personal computer/laptop.

Câu hỏi **4**

Hoàn thành

Chấm điểm 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. 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. Client-server, each client is a computation station and the server is to provide and collect data: maximize the computation in the client.
- ☐ d. MVC: the university data as model, kernel functions as controllers and others are views.

Câu hỏi **5**

Hoàn thành

Chấm điểm của 1,00

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

Chọn một:

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

Câu hỏi **6**

Hoàn thành

Chấm điểm 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 hỏi **7**

Hoàn thành

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

Câu hỏi **8**

Hoàn thành

Chấm điểm của 1,00

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

Chọn một:

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

Câu hỏi **9**

Hoàn thành

Chấm điểm của 1,00

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

Chọn một:

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

Câu hỏi **10**

Hoàn thành

Chấm điểm của 1,00

Which of the following is correct about using architectural patterns?

Chọn một:

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

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