A screenshot of a computer

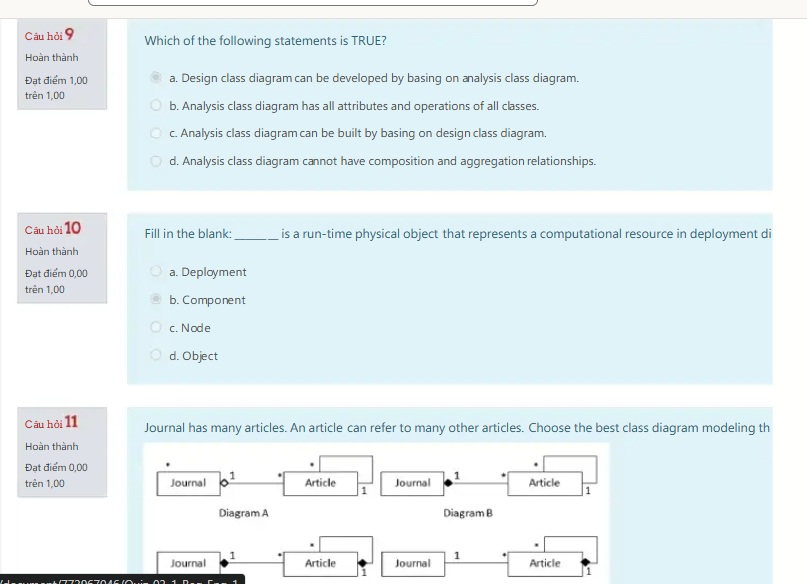
AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

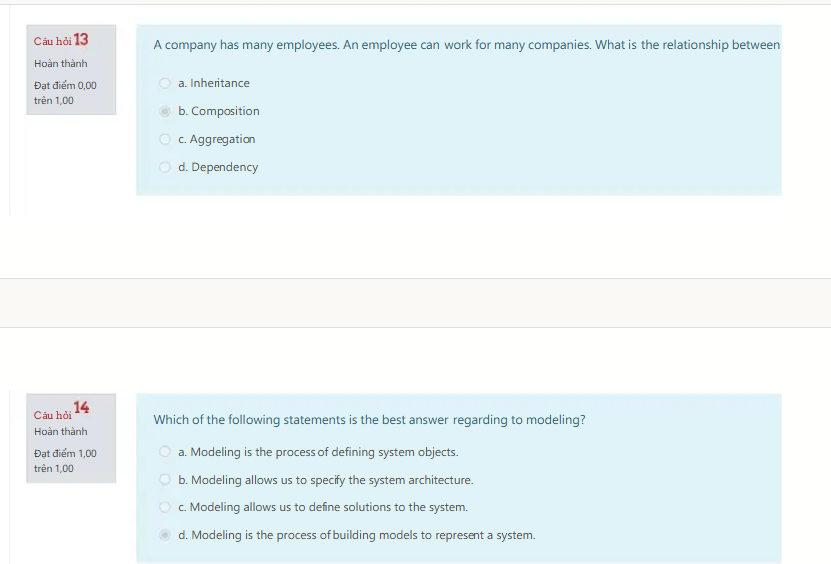
A screenshot of a test

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A screenshot of a computer

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A diagram of people with text

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A screenshot of a computer screen

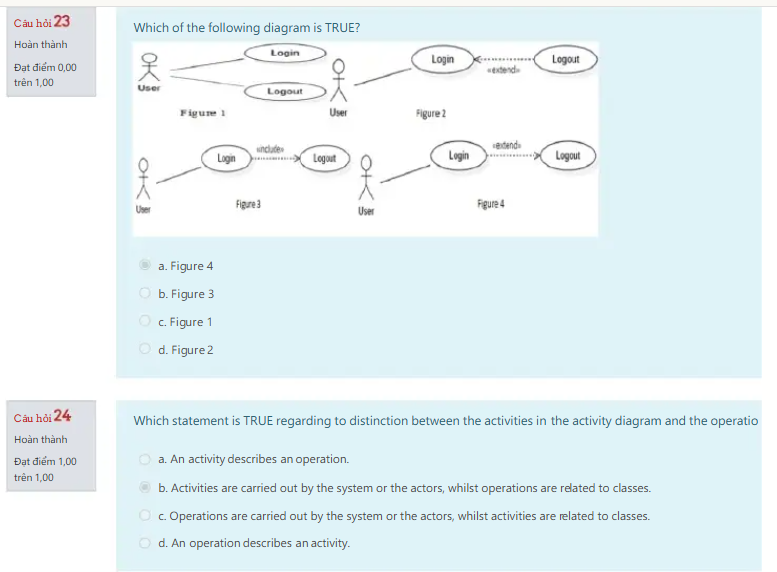
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A screenshot of a questionnaire

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A screenshot of a computer

AI-generated content may be incorrect.



A screenshot of a questionnaire

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A screenshot of a computer

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A screenshot of a computer program

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**Câu hỏi 1**

**What are the properties of a good system?**  
a. Minimising coupling between modules and minimising coupling within modules.  
b. Maximising coupling between modules and maximising coupling within modules.  
c. Maximising coupling between modules and minimising coupling within modules.  
d. Minimising coupling between modules and maximising coupling within modules.

**Câu hỏi 2**

**What are the NOT disadvantages of the functional approach?**  
a. The system is weakly open when applying functional-oriented approach.  
b. Structure of the system is defined based on the functions, therefore a change of functions will cause difficulties in  
c. It is very difficult to apply.  
d. In a function-oriented approach, functions are separated from data.

**Câu hỏi 3**

**Which statement is TRUE about attributes?**  
a. They are always private.  
b. Their values can be changed from object to object of the same class.  
c. They can implement some computations.  
d. They cannot be changed after the object is created.

**Câu hỏi 4**

**Which is NOT one of three special events associated with state transition?**  
⚪ a. Entry.  
⚪ b. Do.  
⚪ c. Exit.  
✅ d. Act.

**Câu hỏi 5**

**The combination of data and functions into a single unit is known as ...**  
✅ a. Encapsulation.  
⚪ b. Abstraction  
⚪ c. Inheritance  
⚪ d. Polymorphism

**Câu hỏi 6**

**Fill in the blank: \_\_\_\_\_\_ shows how a software system will be physically deployed in the hardware environment**  
⚪ a. Class diagram  
⚪ b. Use case diagram  
✅ c. Deployment diagram  
⚪ d. Component diagram

**Câu hỏi 7**

**Which of the following answers describes the state of the object in an object-oriented approach?**  
⚪ a. State is a set of functions.  
⚪ b. At every moment, state has a value in a specific set of attributes.  
✅ c. State (data) describes the characteristics of an object at a given time, and is saved in the variables.  
⚪ d. State describes one property of the object.

**Câu hỏi 8**

**An object with multiple forms is referred to as a ...**  
⚪ a. Abstract class  
⚪ b. Inheritance  
✅ c. Polymorphism  
⚪ d. Interface

Câu hỏi 9:

Which of the following statements is TRUE?

a. Design class diagram can be developed by basing on analysis class diagram.

b. Analysis class diagram has all attributes and operations of all cosses.

c. Analysis class diagram can be built by basing on design class diagram.

d. Analysis class diagram cmnot have composition and aggregation relationships.

Câu hỏi 10:

Fill in the blank: \_\_\_\_\_is a run-time physical object that represents a computational resource in deployment diagram

a. Deployment

b. Comporent

c. Node

d. Object