

**Câu 1/45:**

What happens when a superclass is changed?

- ☐ A. All the operations in the subclasses must be changed.
- ☐ B. All the attributes in the subclasses must be changed.
- ☒ C. All subclasses inherit the change.
- ☐ D. All the operations and attributes in the subclasses that are not associated with the superclass must be changed.

Câu hỏi tiếp theo

**Câu 2/45:**

Class diagrams at conceptual level should include?

- ☐ A. operations ONLY
- ☒ B. attributes ONLY
- ☐ C. Another Answer
- ☐ D. Both attributes and operations

Câu hỏi tiếp theo

**Câu 3/45:**

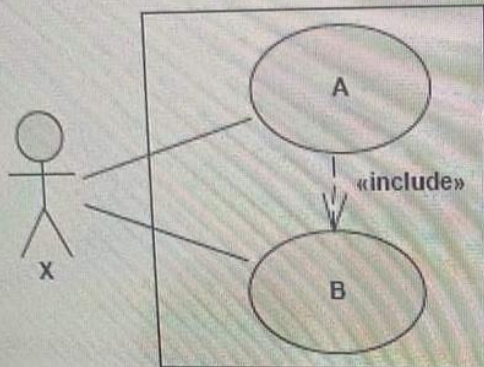
Which statements are true for an Actor?

- ☒ A. an actor is a role a user plays with respect to the system
- ☐ B. All of the mentioned
- ☐ C. generalization is not applicable to actors
- ☒ D. an actor does not need to be human. A subsystem or external system can be modelled as an actor

Câu hỏi tiếp theo

Câu 4/45:

The following <<include>>-relationship means, that \_\_\_\_\_?



hanh vi cua B luon phai duoc chen vao hanh vi cua A

- ☒ A. the behavior of B always has to be inserted into the behavior of A.

Câu hỏi tiếp theo

**Câu 5/45:**

The class diagram, component diagram, object diagram and deployment diagram are considered as type

thành phần	trình bày
thành phần	trình bày

- ☐ A. non-structural diagrams
- ☒ B. structural diagrams Cau truc
- ☐ C. behavioral diagrams Hanh vi
- ☐ D. non-behavioral diagrams

Câu hỏi tiếp theo



**Câu 7/45:**

\_\_\_\_\_ implement an object's behavior.  
thuc thi / trien khai

- ☐ A. Procedures
- ☐ B. Messages
- ☒ C. Methods
- ☐ D. Attributes
- ☐ E. Other objects

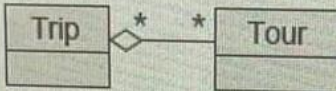
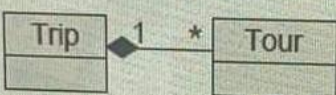
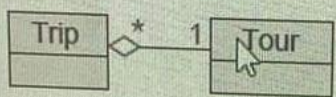
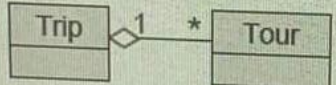
Câu hỏi tiếp theo

**Câu 9/45:**

How do you model the following situation with a UML class diagram:

**A trip might comprise of multiple tours, one tour can be included in several trips.**  
bao gom          nhieu

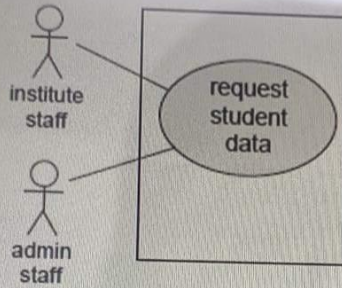
mot vai

- ☒ A. 
- ☐ B. 
- ☐ C. 
- ☐ D. 

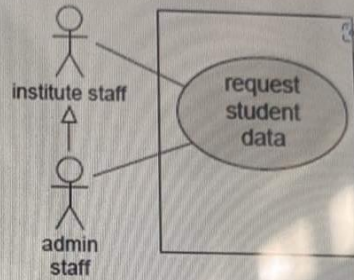
Câu hỏi tiếp theo

**Câu 10/45**

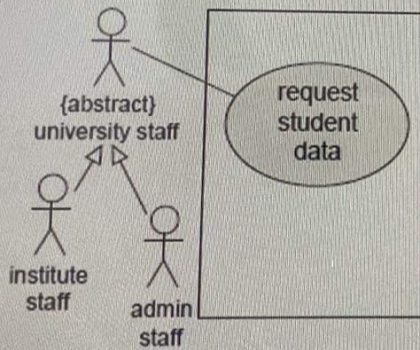
How do you model the following use case diagram: Student data is requested by either institute staff or administration staff.



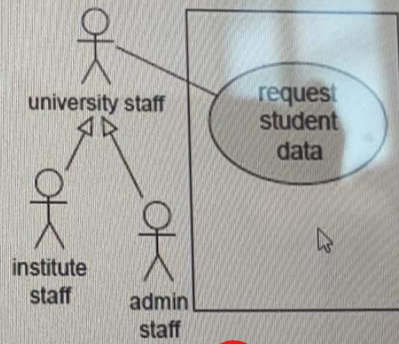
A



B



C



D

☐ A. B.

**Câu 12/45:**

Which is an example of a Structural diagram?

- ☐ A. Activity diagram
- ☐ B. Sequence diagram
- ☒ C. Class diagram
- ☐ D. Usecase diagram

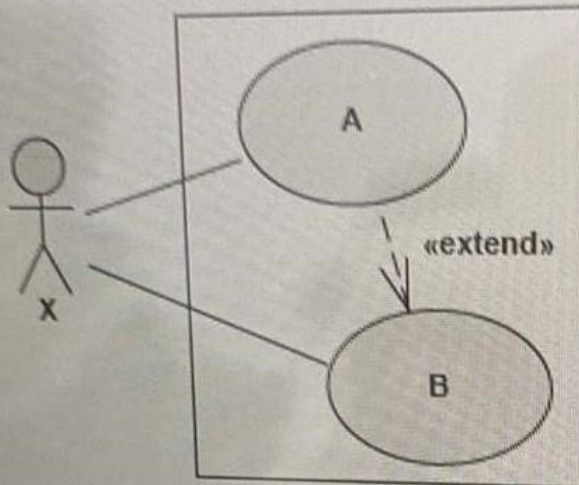
Câu hỏi tiếp theo





**Câu 16/45:**

The following <<extend>>-relationship means, that \_\_\_\_\_?

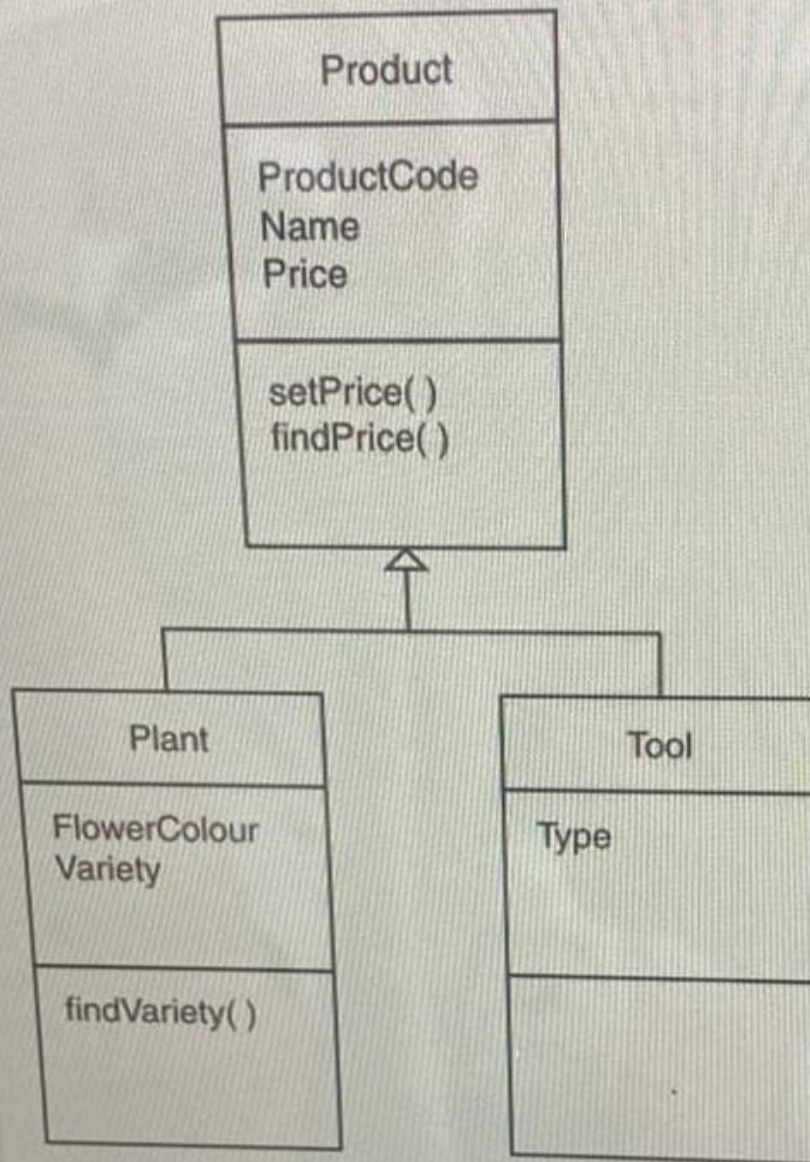


- ☐ A. Always has to invoke A
- ☐ B. A cannot be executed without B
- ☐ C. A can extend B
- ☒ D. A might or might not invoke B

Câu hỏi tiếp theo

**Câu 23/45:**

Which class is the Super Class?



- ☒ A. Product
- ☐ B. Plant
- ☐ C. Tool
- ☐ D. None of the mentioned

Câu hỏi tiếp theo

Câu 42/45:

A class diagram describes \_\_\_\_\_?

- ☒ A. shows the interaction view of a system
- ☐ B. shows the practical view of a system
- ☐ C. shows the static view of a system
- ☐ D. shows the dynamic view of a system

Câu hỏi tiếp theo





**Câu 24/45:**

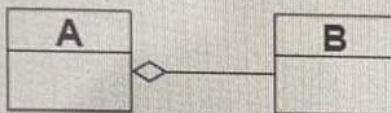
Actors in a use case diagram \_\_\_\_\_?

- ☐ A. communicate with use cases and other actors
- ☒ B. interact with the described system
- ☐ C. are always located within the described system
- ☐ D. Another Answer
- ☐ E. interact with the system in the form of <<include>>-relationships

Câu hỏi tiếp theo

**Câu 25/45:**

Which of the following statements about the given diagram are true?



- ☒ A. B is part of A.
- ☐ B. If an instance of B is deleted, all contained instances of A are also deleted.
- ☒ C. If an instance of A is deleted, all contained instances of B are also deleted.
- ☐ D. If an instance of A is deleted, the contained instances of B are not affected.
- ☐ E. A is part of B.

Câu hỏi tiếp theo

**Câu 27/45:**

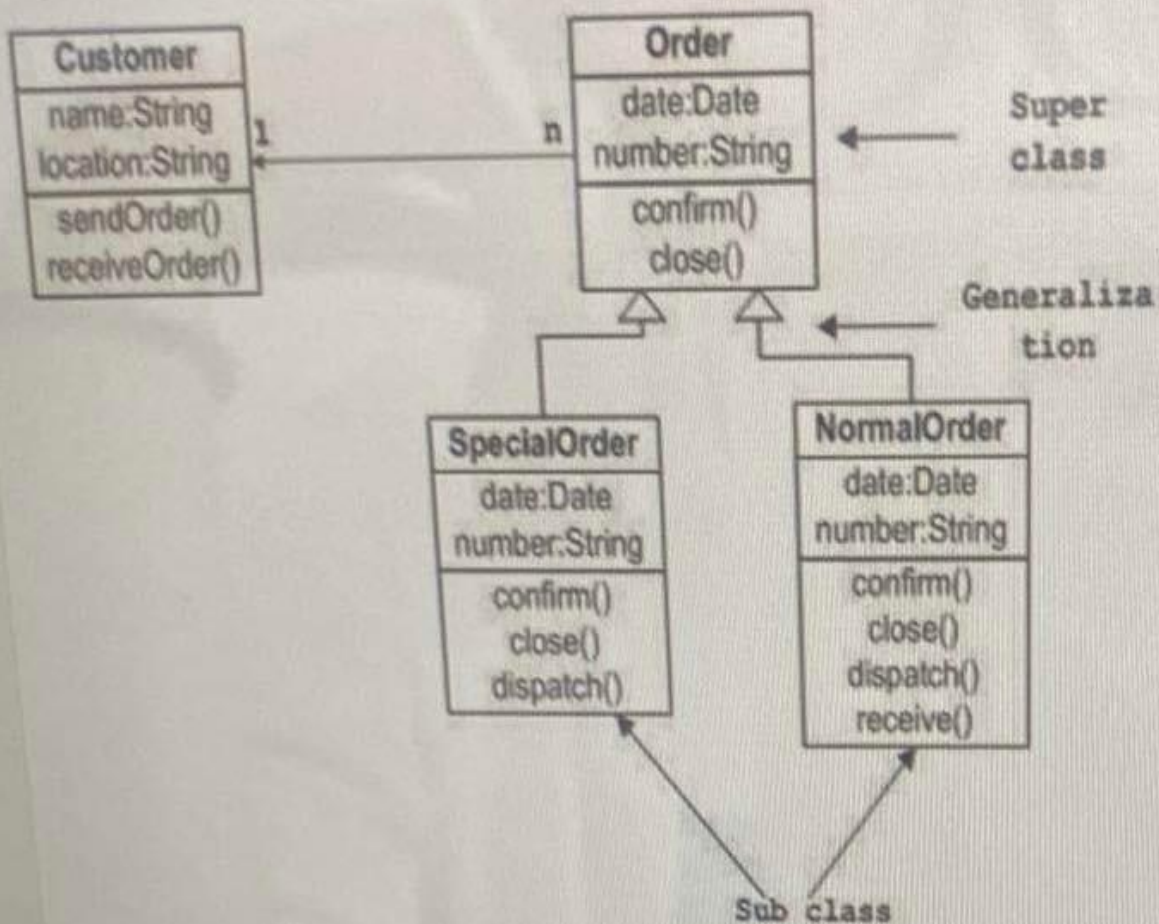
A \_\_\_\_\_ models the interaction of the information system with its end-users and other external systems.

- ☐ A. Class diagram
- ☐ B. Package diagram
- ☐ C. Another Answer
- ☒ D. Use case diagram
- ☐ E. Database diagram

Câu hỏi tiếp theo

**Câu 28/45:**

What is relationship between Order and SpecialOrder in the diagram?



- ☒ A. Order is the superclass of SpecialOrder
- ☐ B. NormalOrder is the derived class of Order
- ☐ C. SpecialOrder is the derived class of Order
- ☐ D. SpecialOrder is the superclass of Order

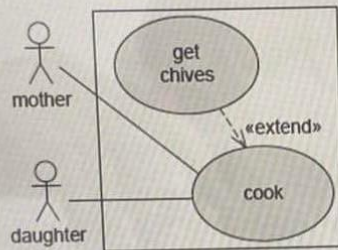
derived: nguồn gốc

Câu hỏi tiếp theo

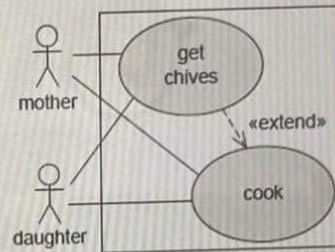


**Câu 32/45:**

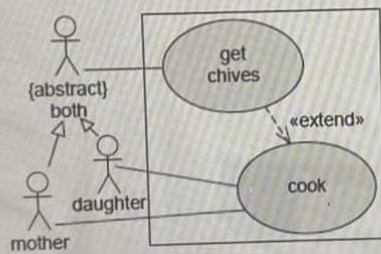
How do you model the following situation with a UML use case diagram: Mother and daughter cook dinner together. Sometimes it is necessary that one of them gets chives from the garden.



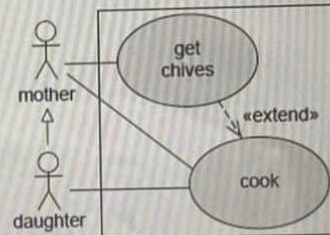
A



B



C



D

- ☐ A. A
- ☐ B. B
- ☐ C. C
- ☐ D. D

Câu hỏi tiếp theo

**Câu 33/45:**

Which of the following diagram types below is **NOT** classified as dynamic diagrams?

- ☐ A. Activity diagram
- ☐ B. Sequence diagram
- ☒ C. Class diagram
- ☐ D. State diagram

Câu hỏi tiếp theo

**Câu 36/45:**

The association between an actor and a use case \_\_\_\_\_?

- ☐ A. might be ternary
- ☒ B. Another Answer
- ☐ C. is modeled with a directed edge with the arrowhead pointing to the use case
- ☐ D. is modeled with a dashed line
- ☐ E. might have multiplicities

Câu hỏi tiếp theo

Câu 37/45:

Which are valid relationships in Use Case Diagrams?

- ☒ A. generalization
- ☐ B. subtyping
- ☒ C. include
- ☐ D. extract
- ☐ E. All of the mentioned
- ☒ F. extend

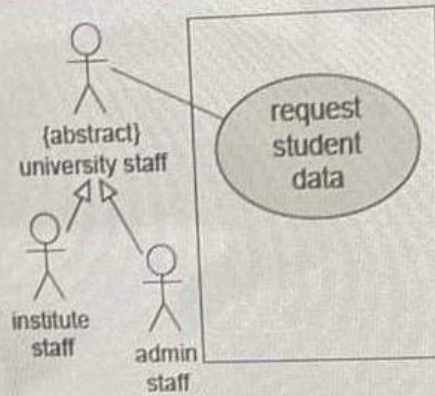
Câu hỏi tiếp theo



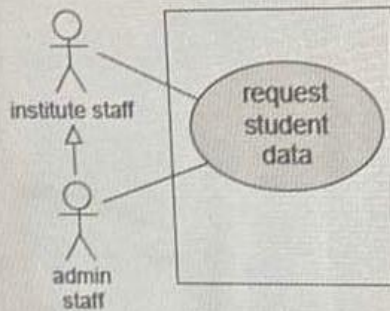
**Câu 38/45:**

How do you model the following situation with a UML use case diagram:  
Student data is requested by either institute staff or administration staff.

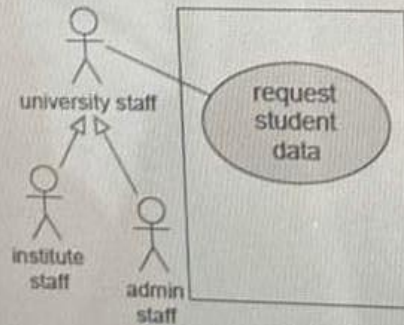
☐ A.



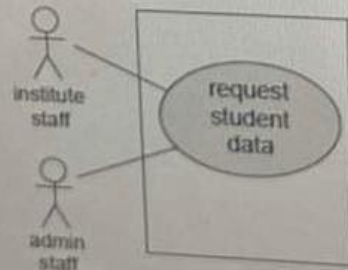
☐ B.



☒ C.



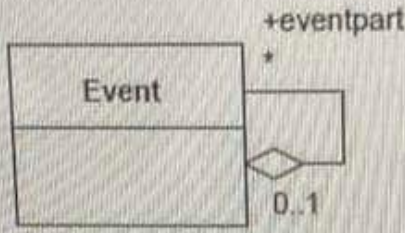
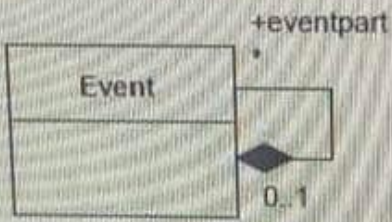
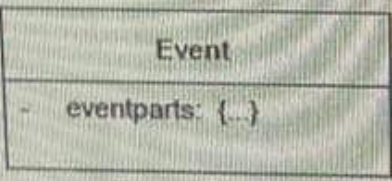
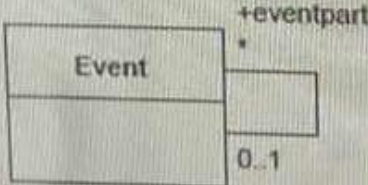
☐ D.



**Câu 41/45:**

How do you model the following situation with a UML class diagram:

An event may be part of another event.

- ☒ A.
- 
- ☐ B.
- 
- ☐ C.
- 
- ☐ D.
- 

Câu hỏi tiếp theo

**Câu 43/45:**

Actors in a use case diagram \_\_\_\_\_ ?

- ☐ A. interact with the system in the form of <<include>>-relationships
- ☐ B. can be linked to each other by inheritance
- ☒ C. Another Answer
- ☐ D. are always located within the described system
- ☐ E. communicate with use cases and other actors

Câu hỏi tiếp theo

**Câu 45/45:**

What are the three sections of a Class in a Class Diagram called in top to bottom order?

- ☒ A. Class Name, Attributes, Operations
- ☐ B. Object Name, Attributes, Operations
- ☒ C. Class Name, Operations, Attributes
- ☐ D. Object Name, Attributes, Messages