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

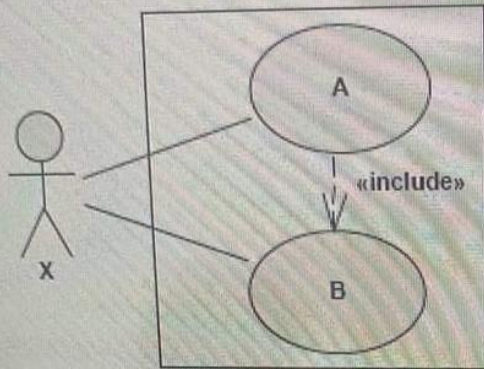Câu hỏi tiếp theo

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 _____?

- A. the behavior of B always has to be inserted into the behavior of A.
- B. B cannot be executed without A
- C. the behavior of A always has to be inserted into the behavior of B.
- D. B can be executed instead of A

Câu hỏi tiếp theo

Câu 5/45:

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

- A. non-structural diagrams
- B. structural diagrams
- C. behavioral diagrams
- D. non-behavioral diagrams

Câu hỏi tiếp theo
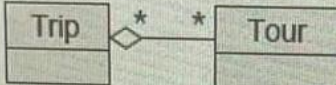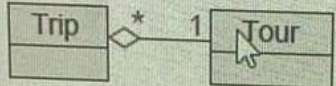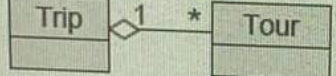
Câu 7/45:

_____ implement an object's behavior.

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

Câu hỏi tiếp theo

Câu 9/45:

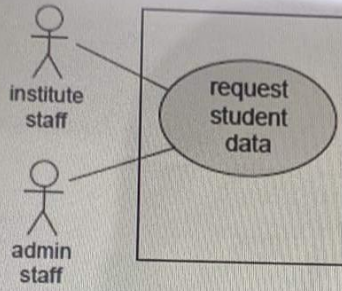How do you model the following situation with a UML class diagram:
A trip might comprise of multiple tours, one tour can be included in several trips.

Câu hỏi tiếp theo

Câu 10/4

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

institute staff — request student data

admin staff

A

institute staff — request student data

admin staff

B

{abstract} university staff — request student data

institute staff / admin staff

C

university staff — request student data

institute staff / admin staff
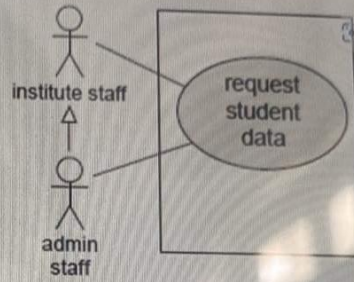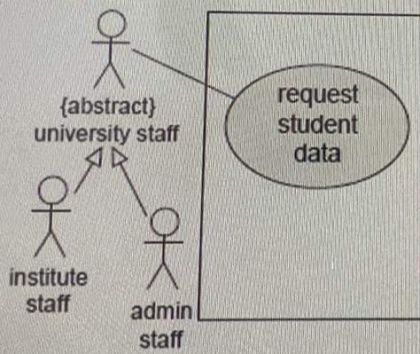
D

○ 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

The following <<extend>>-relationship means, that _____?

○ A. Always has to invoke A

○ B. A cannot be executed without B
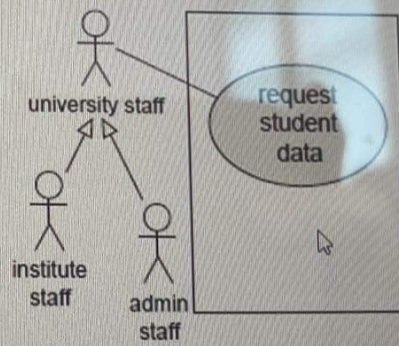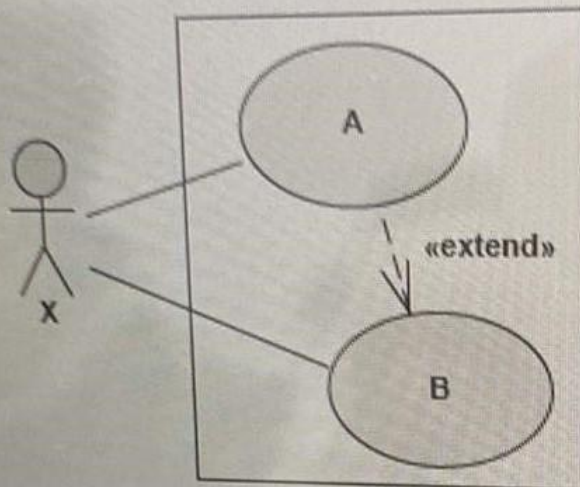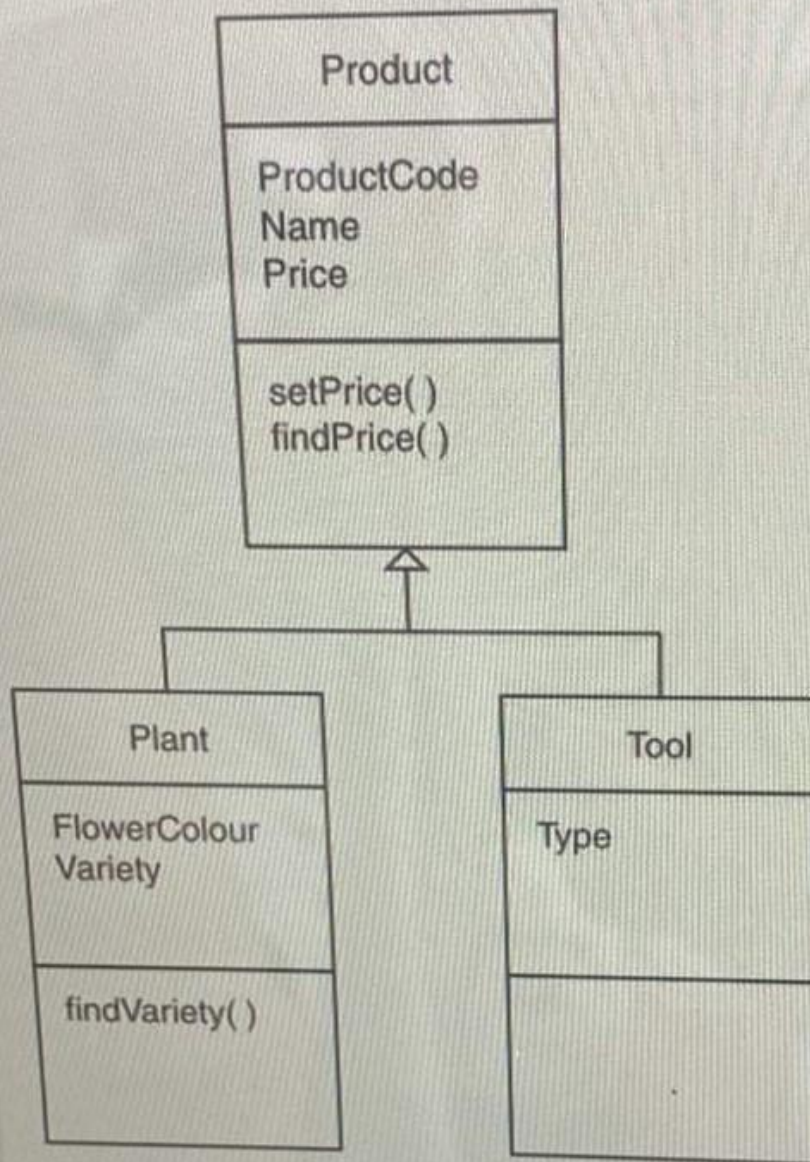
○ C. A can extend B

○ D. A might or might not invoke B

Câu hỏi tiếp theo

Which class is the Super Class?

```
              ┌─────────────────────────┐
              │        Product          │
              ├─────────────────────────┤
              │ ProductCode             │
              │ Name                    │
              │ Price                   │
              ├─────────────────────────┤
              │ setPrice( )             │
              │ findPrice( )            │
              │                         │
              └─────────────────────────┘
```

```
┌────────────────────┐        ┌────────────────────┐
│      Plant         │        │       Tool         │
├────────────────────┤        ├────────────────────┤
│ FlowerColour       │        │ Type               │
│ Variety            │        │                    │
├────────────────────┤        ├────────────────────┤
│ findVariety( )     │        │                    │
│                    │        │                    │
└────────────────────┘        └────────────────────┘
```

- 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?
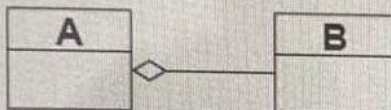
☑ A. B is part of A.

☐ 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:
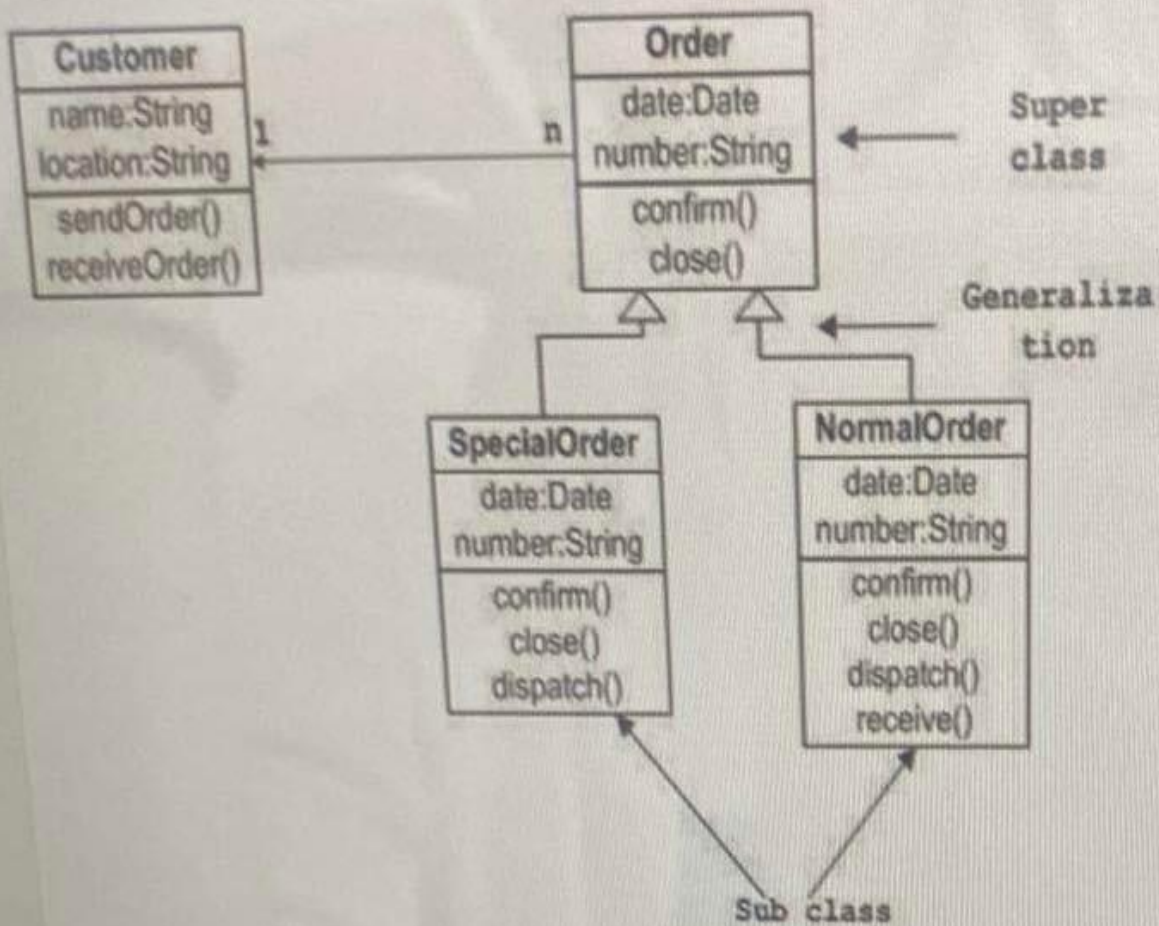
A _____ models the interaction of the information system with its end-users and other external systems.

- 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?

Customer
name:String   1
location:String
sendOrder()
receiveOrder()

n

Order
date:Date
number:String
confirm()
close()

Super class

Generalization

SpecialOrder
date:Date
number:String
confirm()
close()
dispatch()

NormalOrder
date:Date
number:String
confirm()
close()
dispatch()
receive()

Sub class

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

Câu hỏi tiếp theo

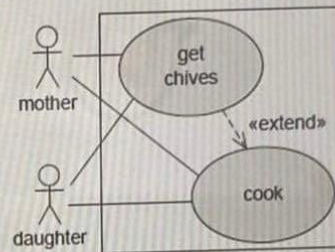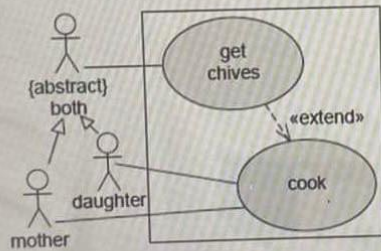How do you model the following situation with a UML use case diagram. Mother and daughter cook dinner together. Sometimes it is necess... that one of them gets chives from the garden.
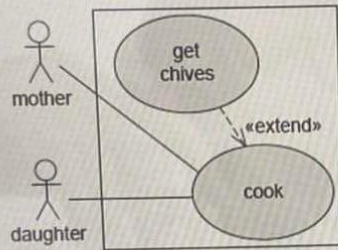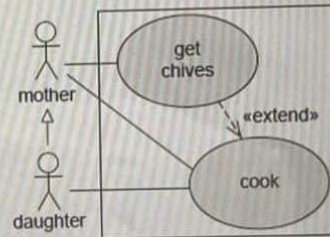

A

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

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
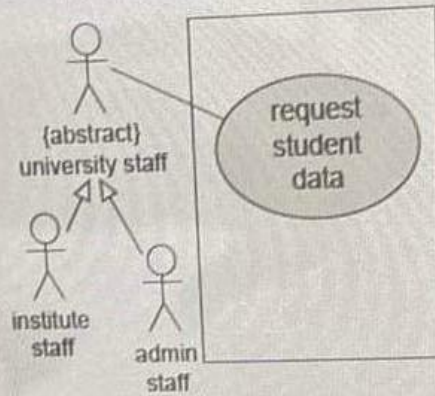- [ ] D. extract
- [ ] E. All of the mentioned
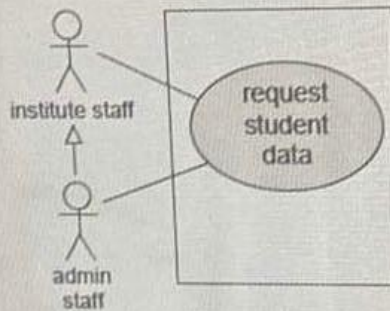- [ ] F. extend

Câu hỏi tiếp theo

Câu 38/45:

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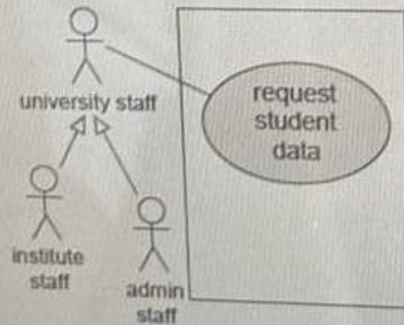Student data is requested by either institute staff or administration staff.

A.

{abstract}
university staff

institute staff
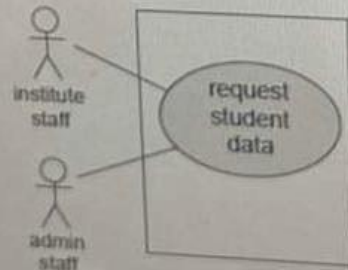
admin staff

request student data

B.

institute staff

admin staff

request student data

C.

university staff

institute staff

admin staff

request student data

D.

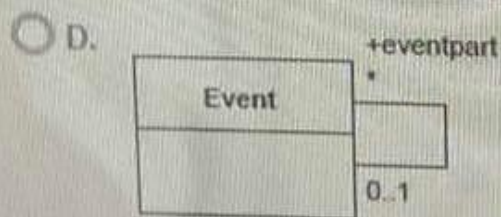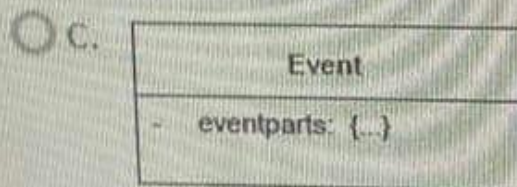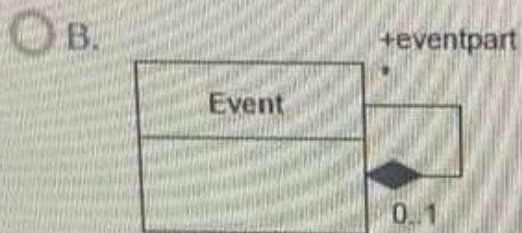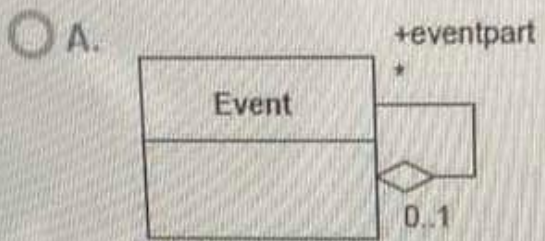institute staff

admin staff

request student data

Câu hỏi tiếp theo

Câu 41/45:

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

An event may be part of another event.

A.

```
+eventpart
        *
┌─────────────┐
│    Event    │────◇──┐
├─────────────┤       │
│             │      0..1
│             │
└─────────────┘
```

B.

```
       +eventpart
           *
┌─────────────┐
│    Event    │────◆──┐
├─────────────┤       │
│             │      0..1
└─────────────┘
```

C.

```
┌──────────────────────┐
│        Event         │
├──────────────────────┤
│ -  eventparts: {...}  │
│                      │
└──────────────────────┘
```

D.

```
             +eventpart
                 *
┌─────────────┐
│    Event    │──────┐
├─────────────┤      │
│             │     0..1
└─────────────┘
```

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