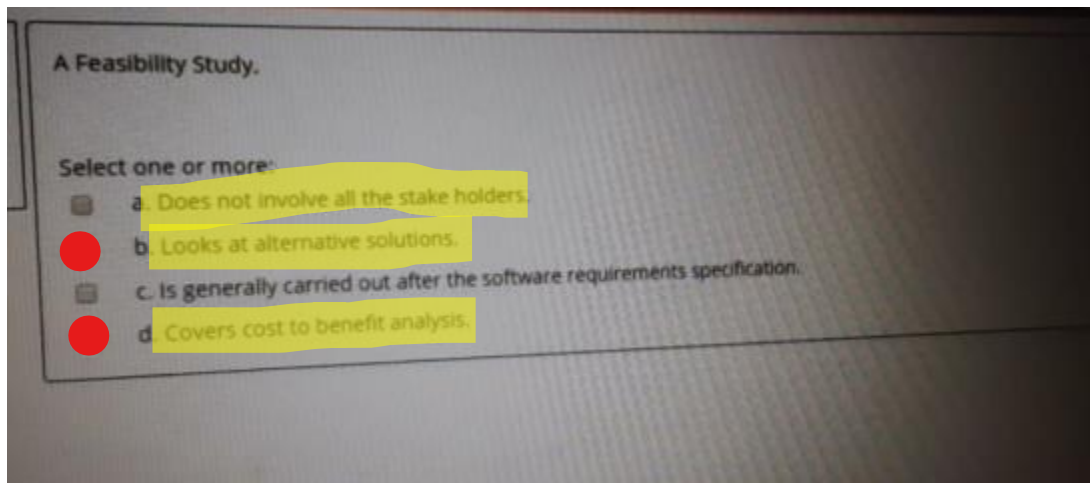
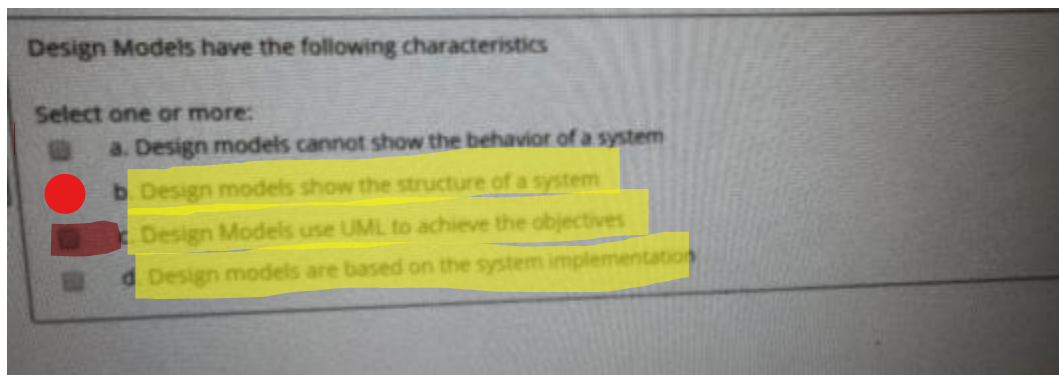


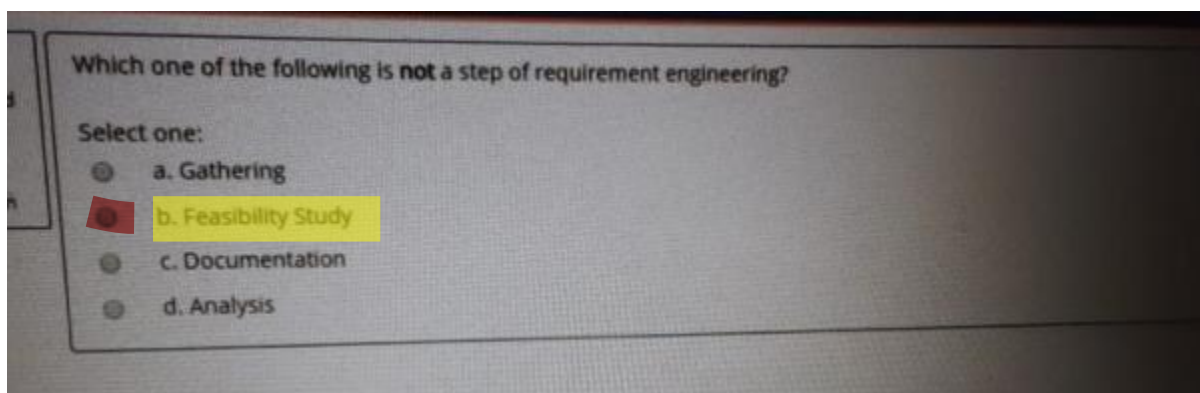
1. A feasibility study



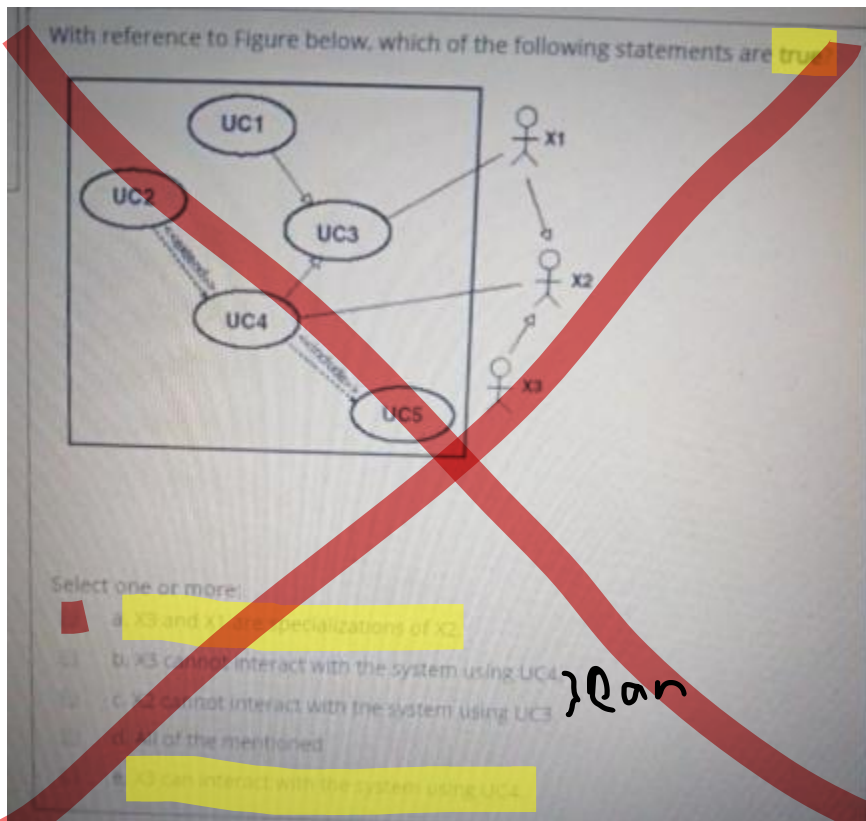
2. Design models have the following characteristics



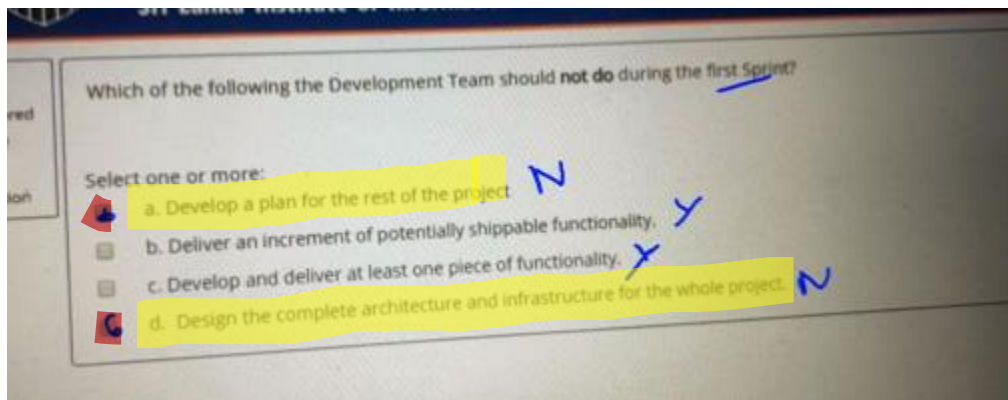
3. Which one of the following is not a step of requirement engineering ?



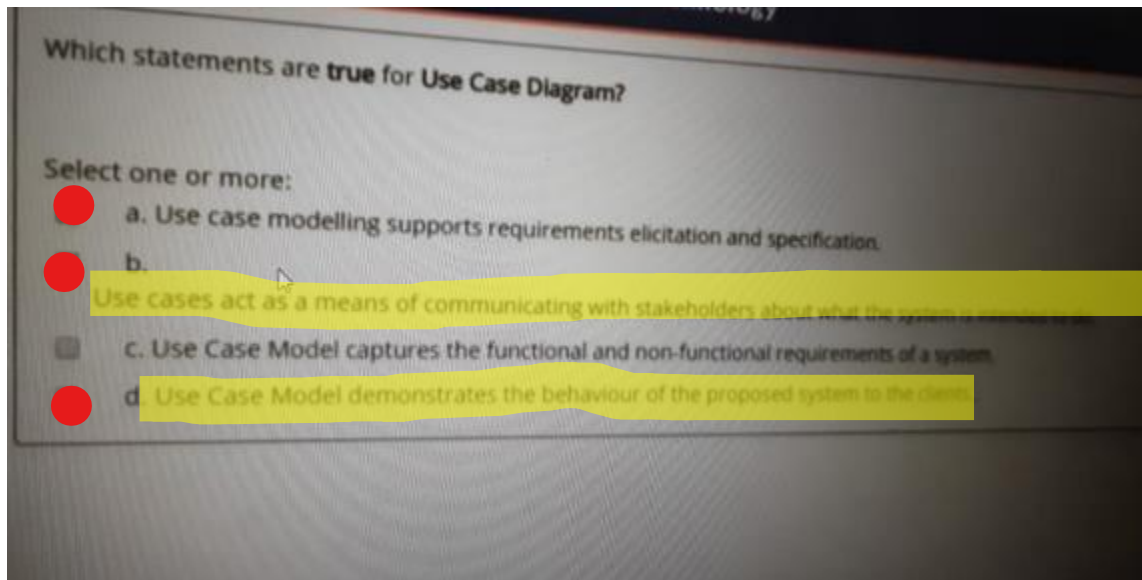
4. With reference to figure below which of the following statements are true ?



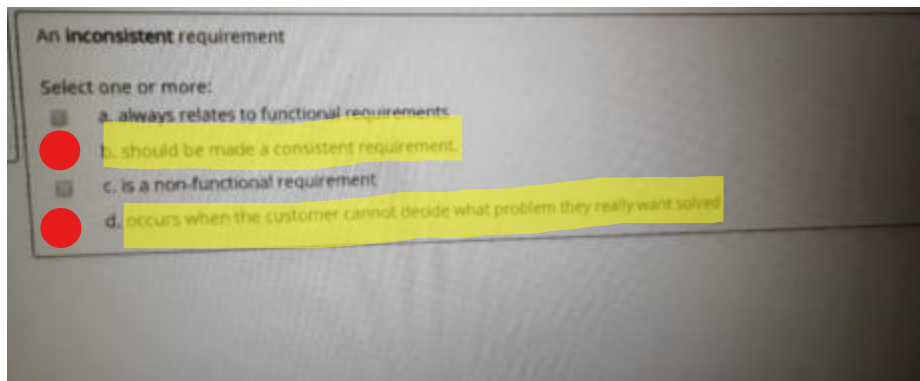
5. Which of the following the development team should not do during first sprint ?



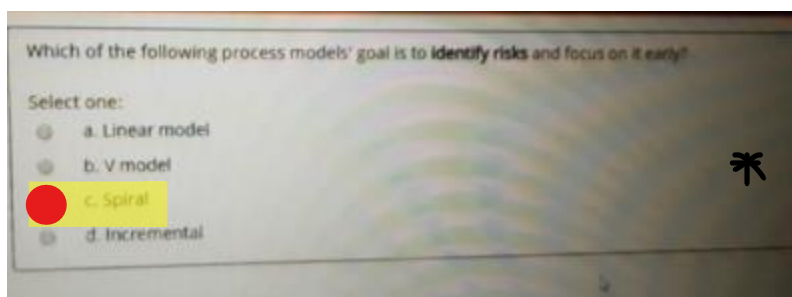
6. Which statements are true for use case diagram ?



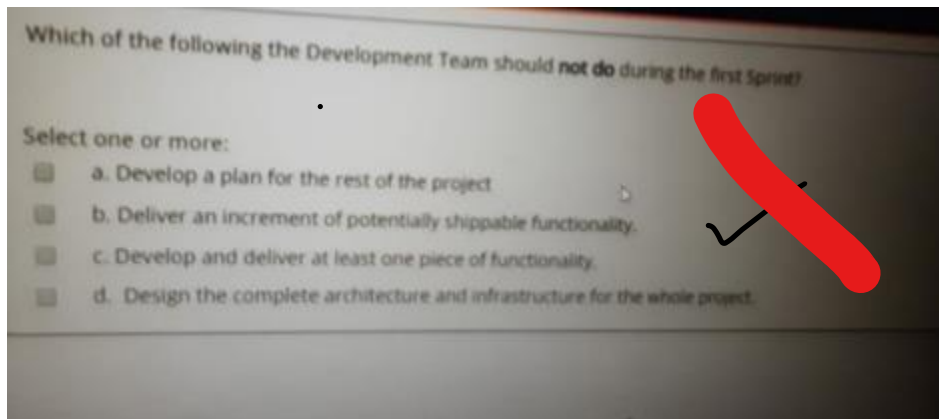
7. An inconsistent requirement



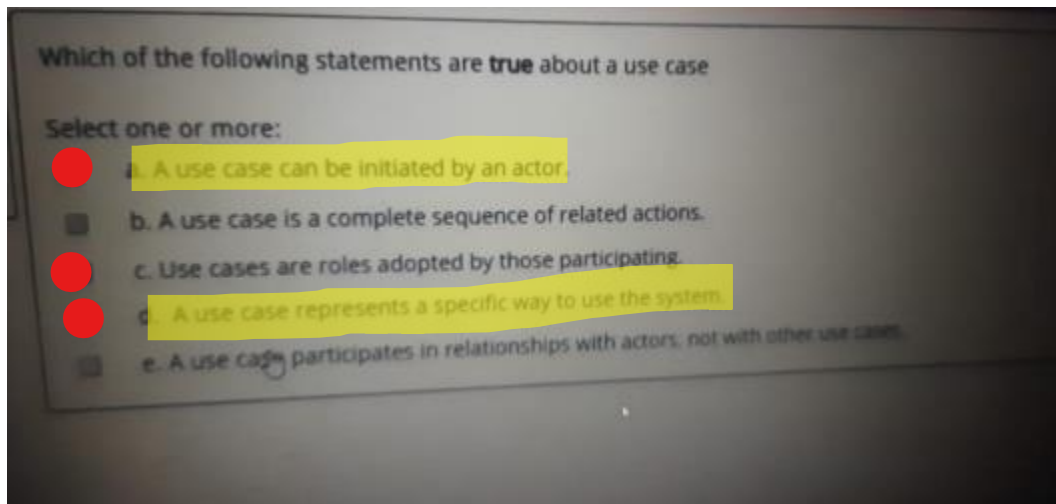
8. which of the following process models goal is to identify and focus ...



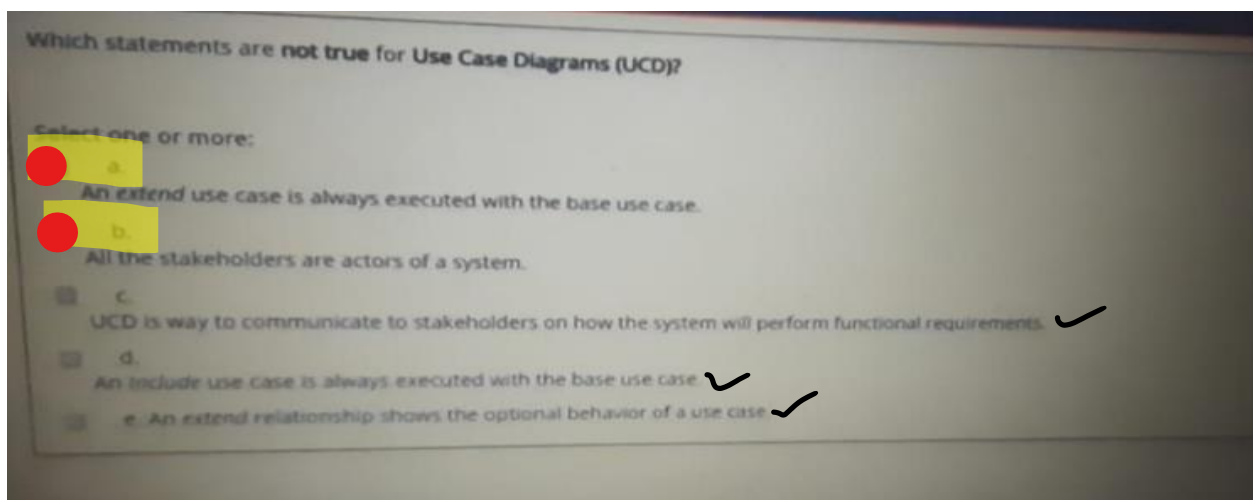
8. Which of the following development team should not do during the



9. Which of the following statements are true about a use case



10. Which statements are not true for use case diagram ?



11. SRS

SRS _____

Select one or more:

- ☐ a. Should describe any design or implementation details
- ☐ b. Is recognized as white box specification
- ☒ c. Should correctly define all of the software requirements
- ☒ d. Should impose additional constraints on the software
- ☒ e. Should describe non-functional requirements

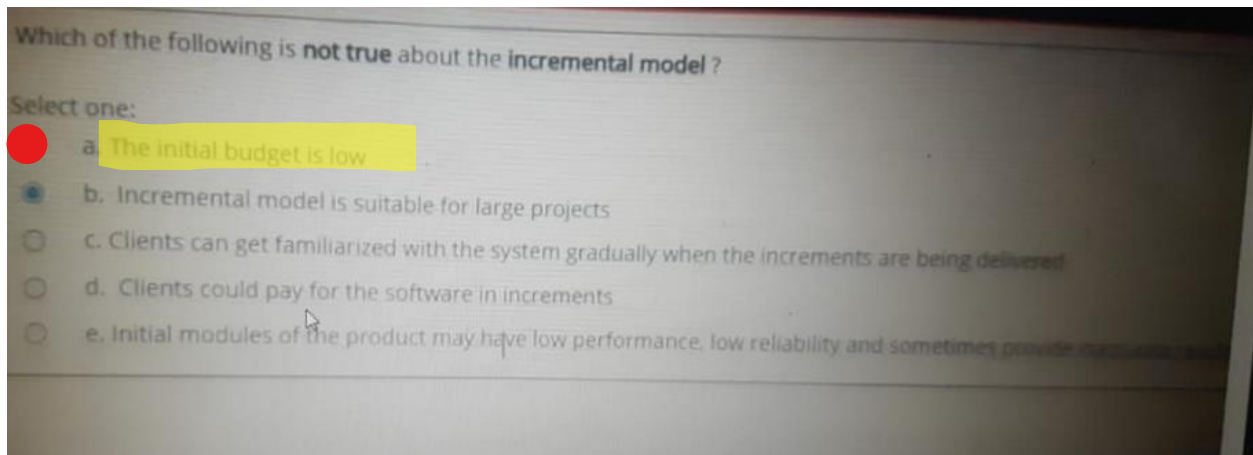
12. Which statements are true regarding prototyping

Which statements are true regarding Prototyping

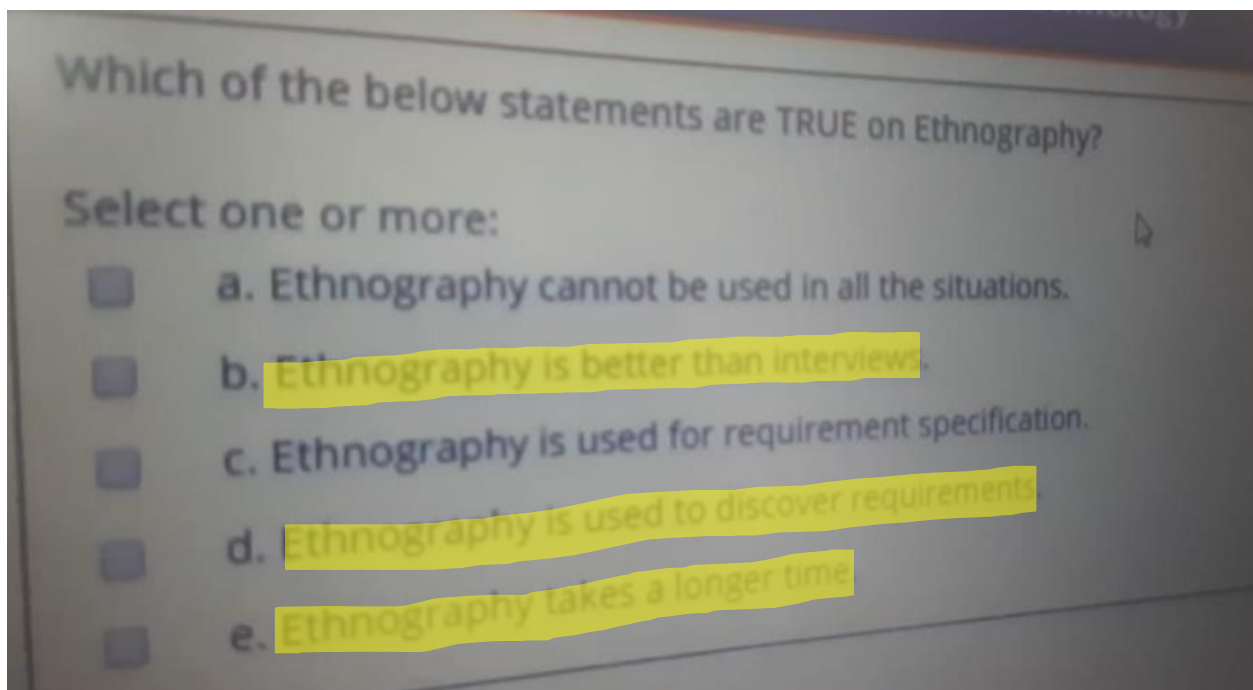
Select one or more:

- ☒ a. Prototype can replace the functional requirements of SRS
- ☐ b. Prototype should be thrown away
- ☐ c. Prototype can be patched for release phase
- ☐ d. None of the mentioned.
- ☒ e. Building prototype replaces requirements phase

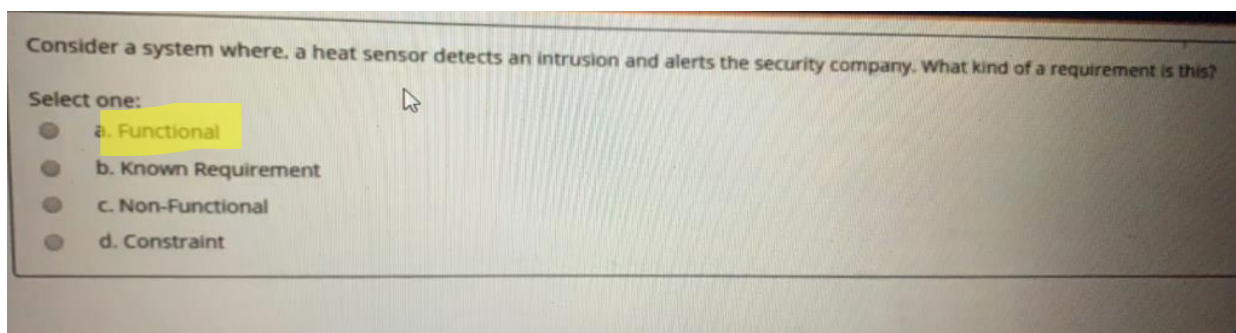
13. Which of the following is not true about the incremental model ?



14. Which of the below statements are TRUE on ethnography ?



15. Consider a system where a heat sensor detects an intrusion and alerts the security company .



16. System modeling space may include ?

System modeling space may include;

Select one or more:

- ☐ a. User stories
- ☒ b. Activity diagram
- ☐ c. None of the mentioned
- ☒ d. CRC cards
- ☒ e. Use case diagram

17. Which of the following statements are TRUE regarding the diagram given in figure 3 ?

Which of the following statements are **TRUE** regarding the diagram given in figure 3?

```
graph TD
    a1((a1)) --- UC1((UC1))
    a2((a2)) --- UC1
    UC1 -.->|<<include>>| UC4((UC4))
    UC3((UC3)) -.->|<<extend>>| UC1
    UC2((UC2)) -.->|<<include>>| UC1
```

Select one or more:

- ☒ a. When UC1 is triggered, UC4 will also be triggered
- ☒ b. Both a1 and a2 associate with UC1
- ☐ c. When UC1 is triggered, UC3 might not be triggered
- ☒ d. When UC1 is triggered UC2 is also triggered

18. Which statements are not true for use case diagrams

Which statements are **not true** for Use Case Diagrams (UCD)?

Select one or more:

- ☒ a. An extend use case is always executed with the base use case.
- ☐ b. All the stakeholders are actors of a system.
- ☐ c. UCD is way to communicate to stakeholders on how the system will perform functional requirements.
- ☐ d. An include use case is always executed with the base use case.
- ☐ e. An extend relationship shows the optional behavior of a use case.

✓

19. Which of the following about the given diagram are true ?

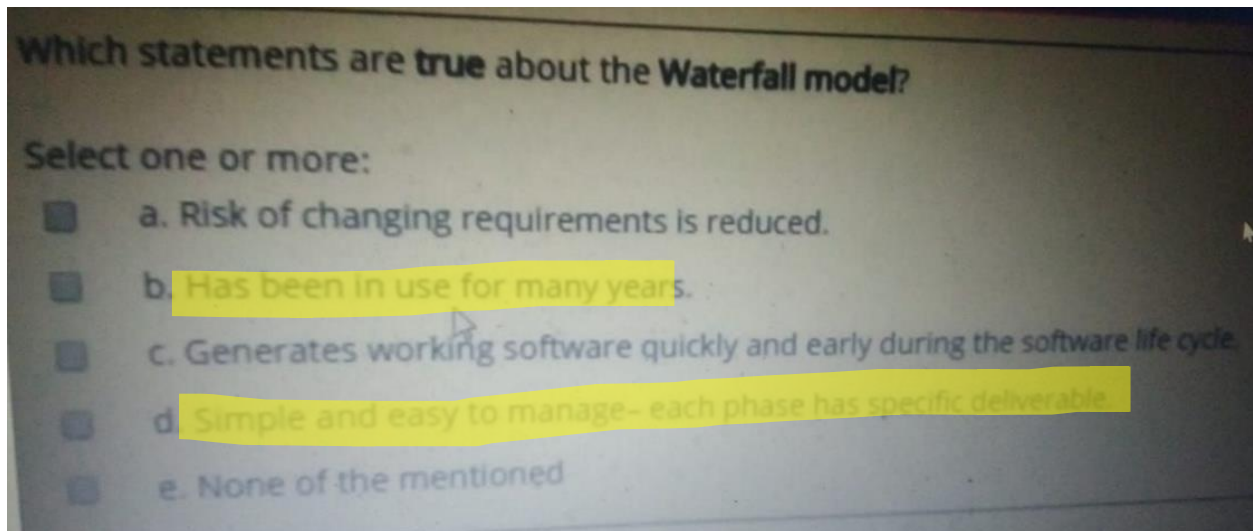
Which of the following statements about the given diagram are **true**?

```
graph TD
    X((X)) --- Y((Y))
    A((A)) --|> X
    B((B)) --|> X
    subgraph System
        Y
        Z((Z))
        Y --|> Z
    end
```

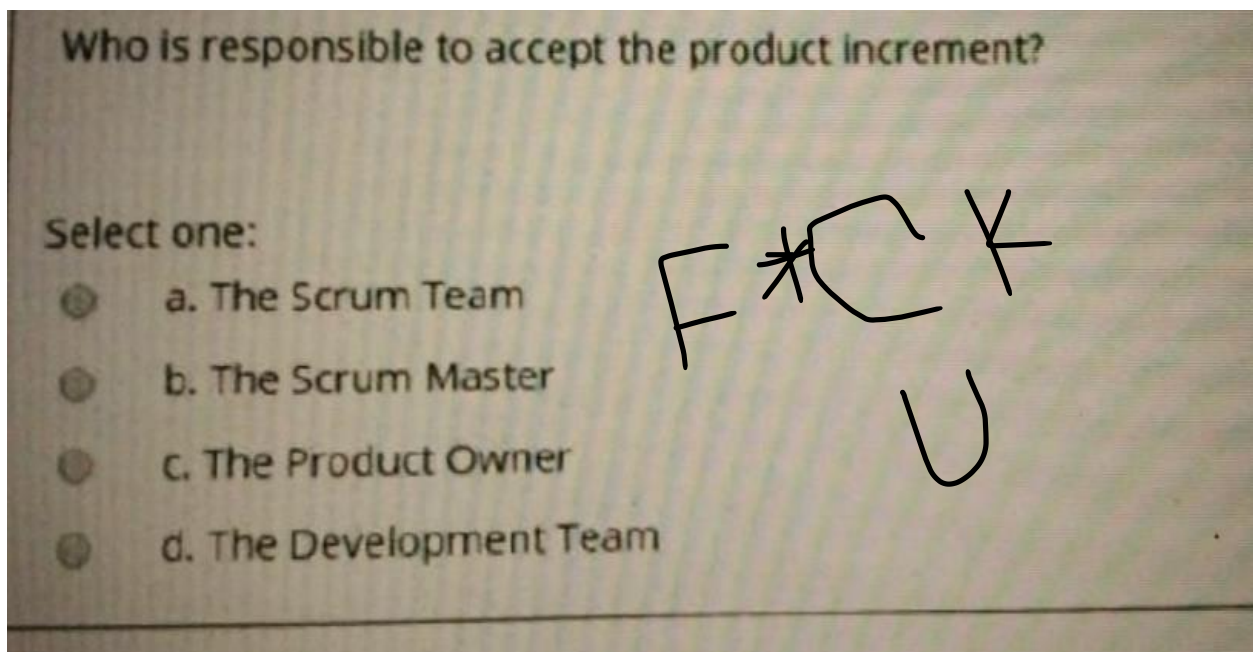
Select one or more:

- ☒ a. A can ignore Use Case Y.
- ☒ b. A and B inherit the behaviour of X.
- ☒ c. A or B can execute Use Case Z.
- ☐ d. A and B are not associated with Use Case Y.

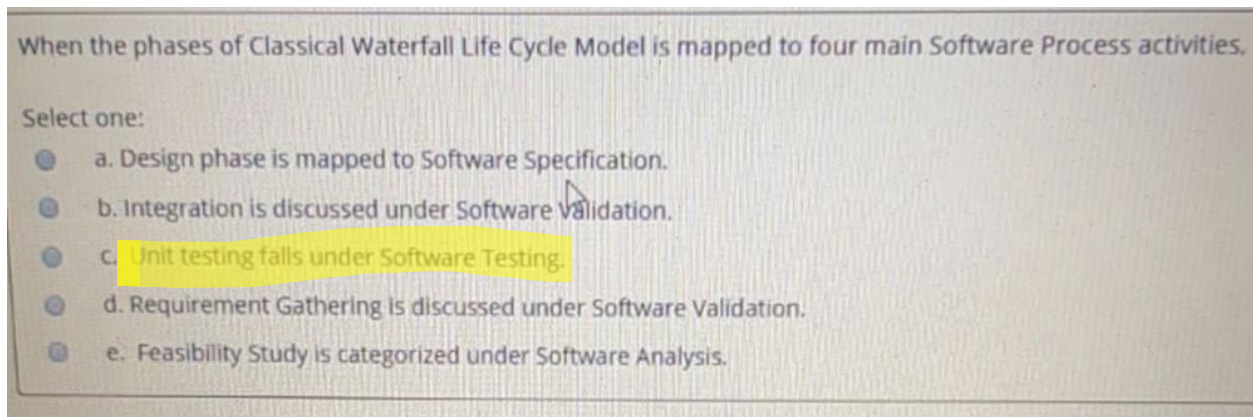
20. Which statements are true about the waterfall model ?



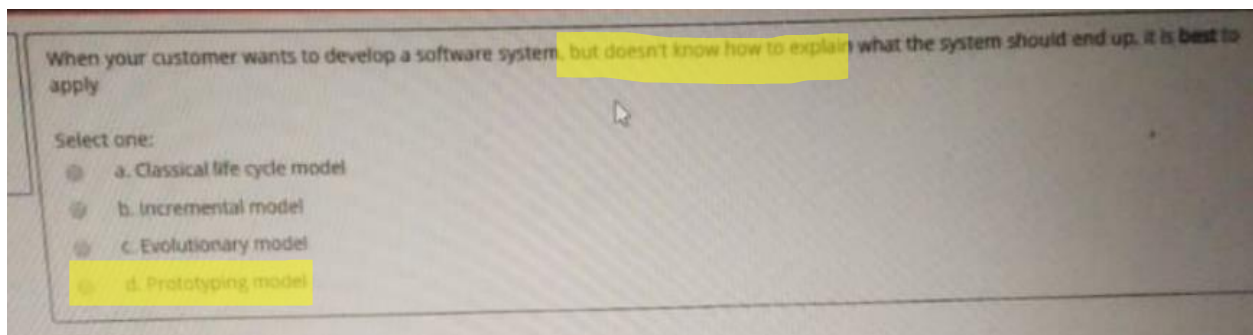
21. Who is responsible to accept the product increment?



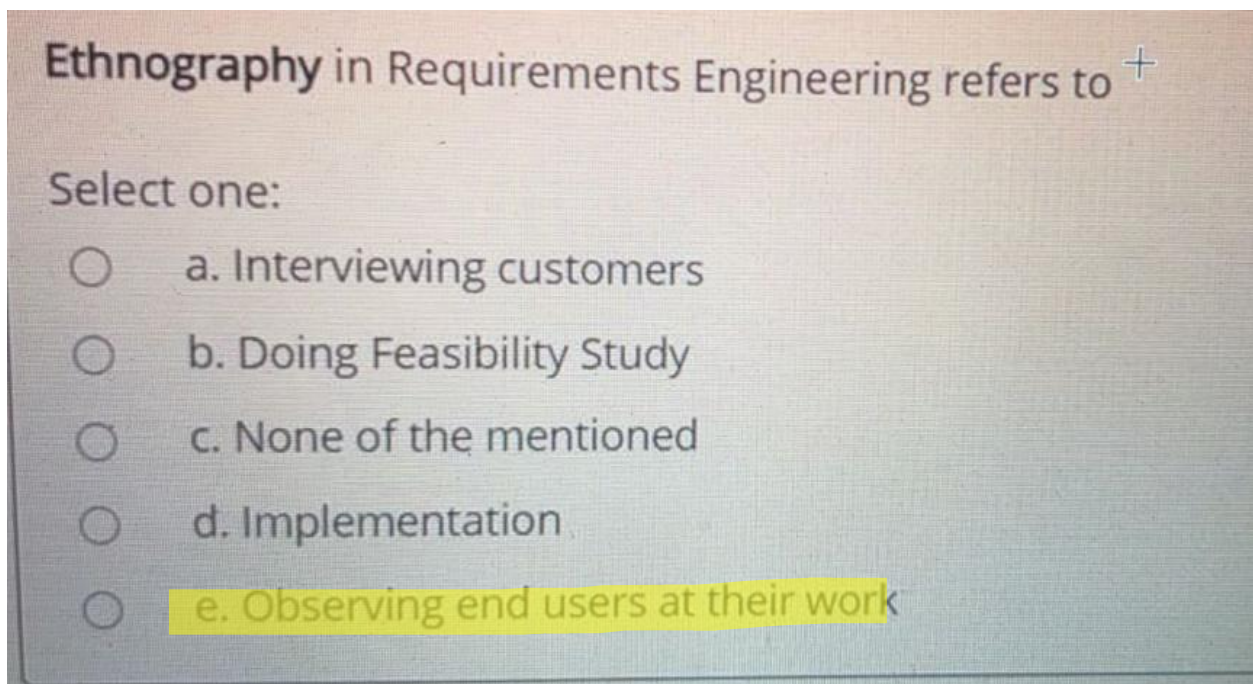
22. When the phase of classical waterfall life cycle model is mapped to four main



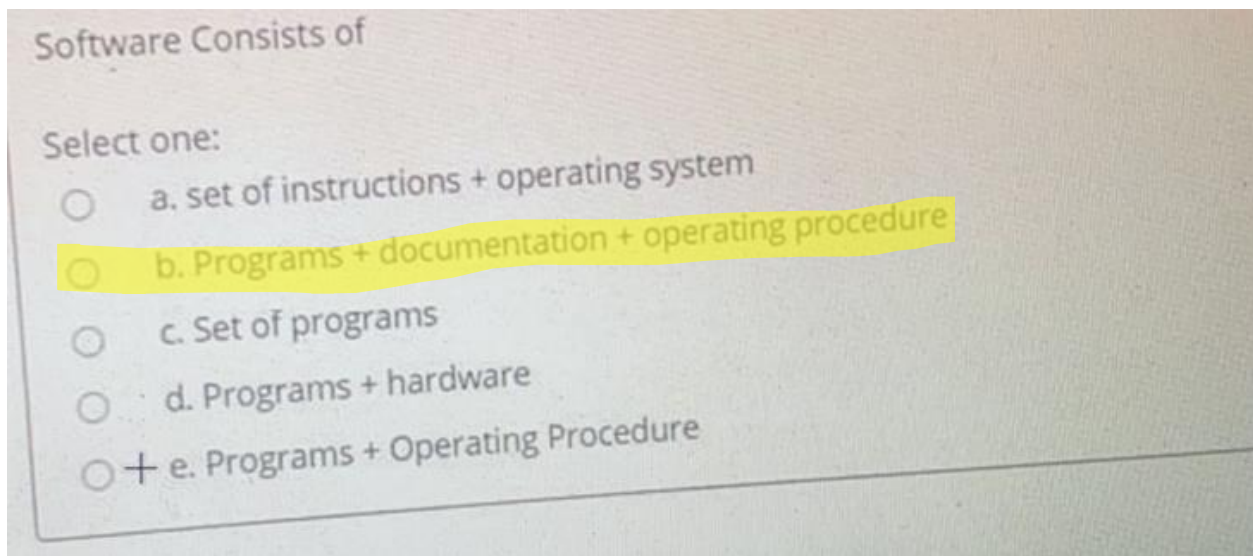
23. When your customer want to develop a software system but doesn't know how to ...



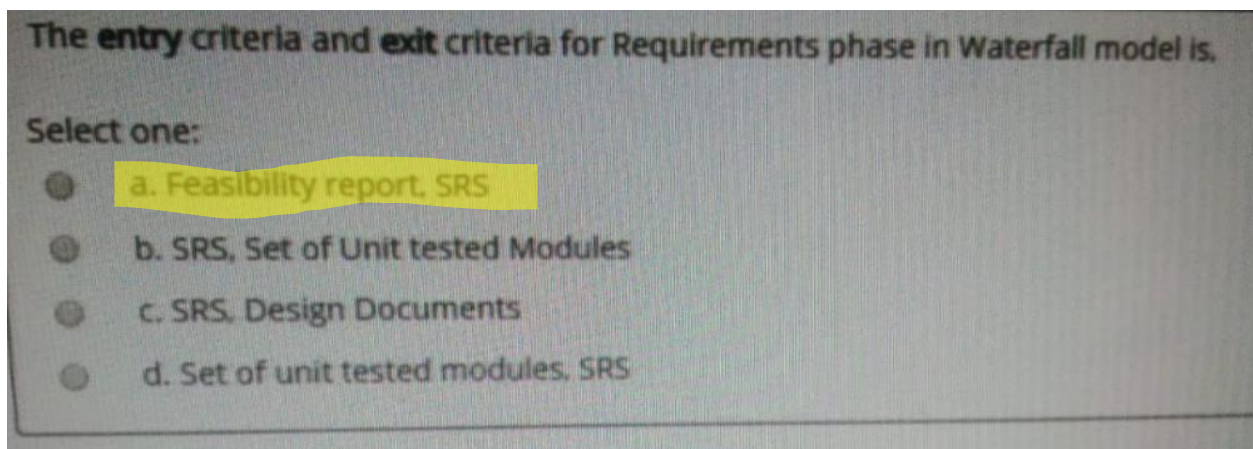
24. Ethnography in requirement engineering refer to



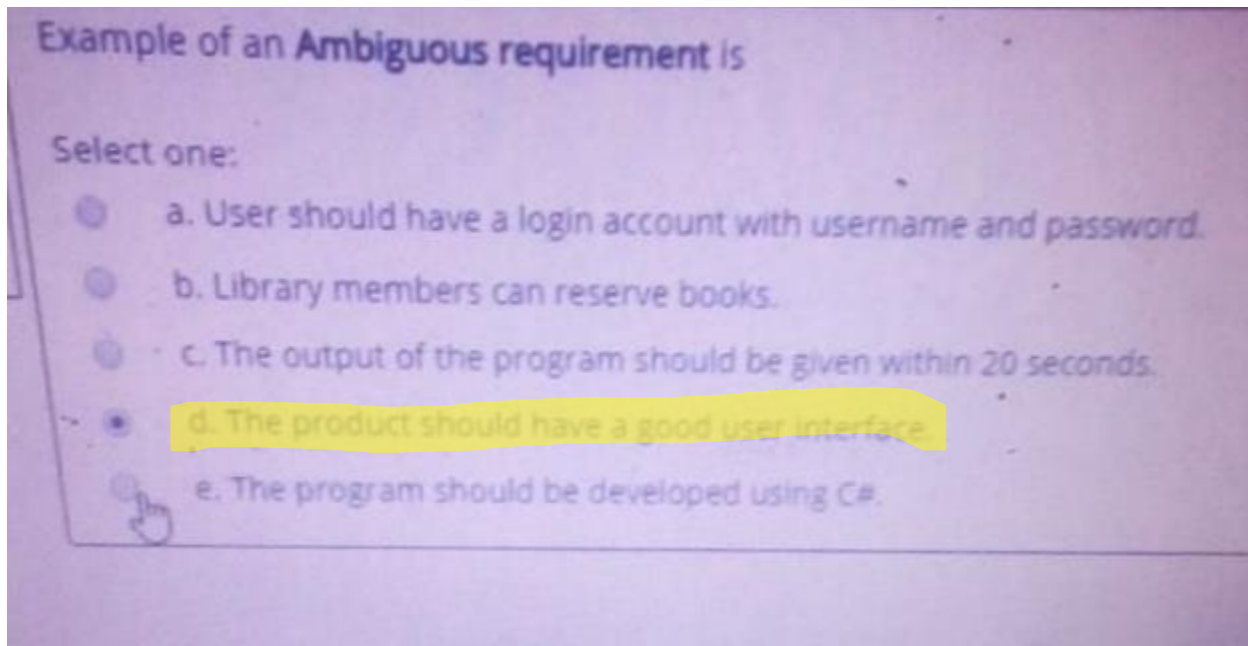
25. Software consists of



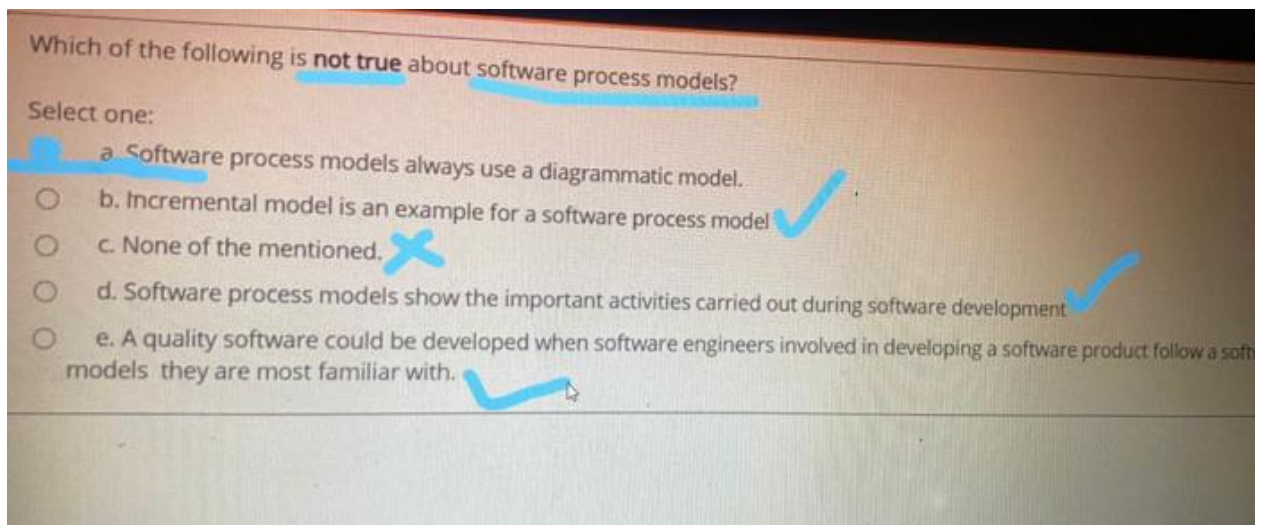
26. The entry criteria and exist criteria for requirements phase in waterfall model is



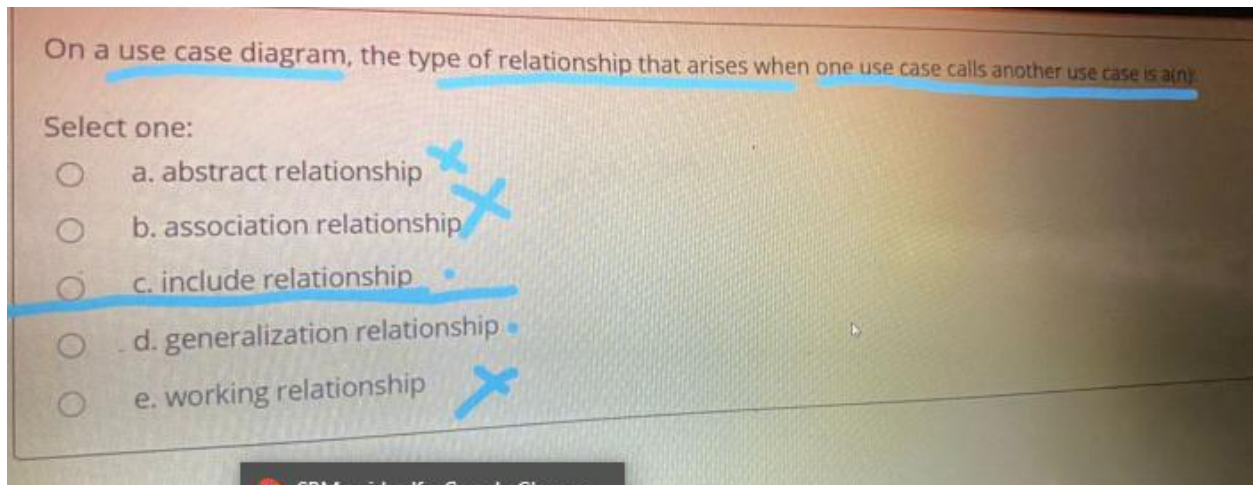
27. Example of an Ambiguous requirement is



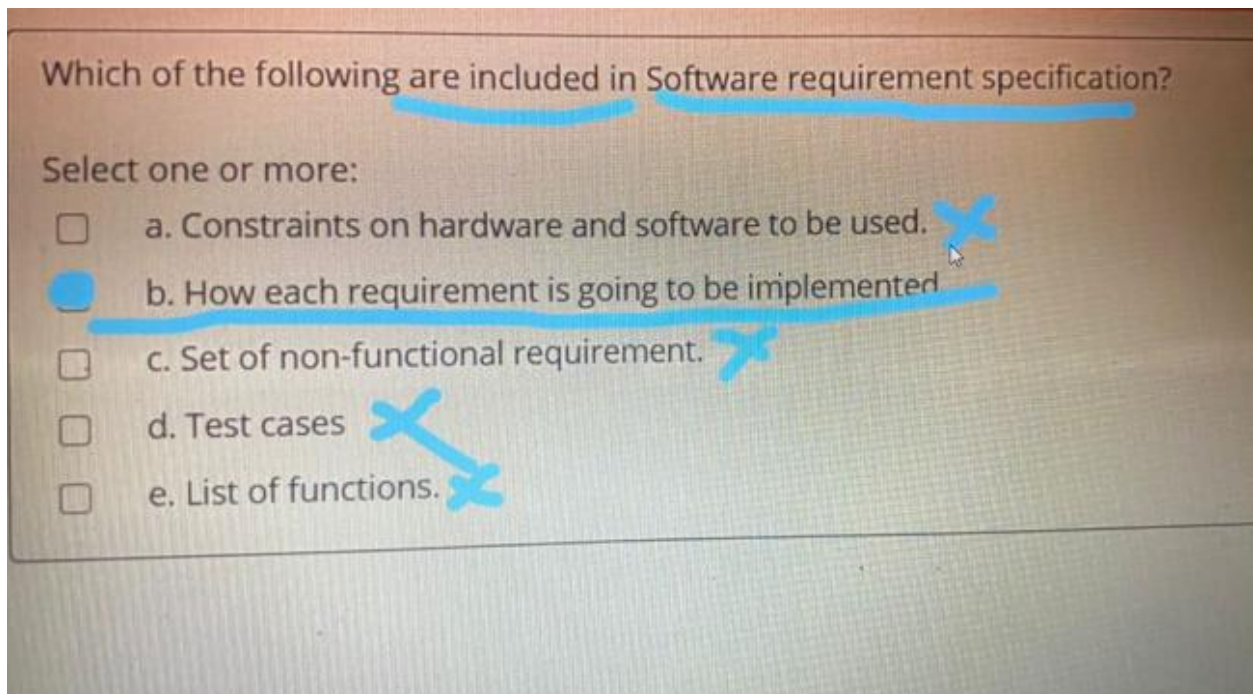
28. Which of the following is not true about software process models ?



29. On a use case diagram , the type of relationship that arises when



30. Which of the following are included in software requirement specification ?



31. Which of the following statements is not true ?

Which of the following statements is not true?

Select one:

- ☒ a. Requirements must be complete. X
- ☐ b. Requirements must be testable. ✓
- ☐ c. Requirements must be unambiguous. X
- ☐ d. Requirements must be concerned with system functionality only. X
- ☐ e. Requirements must be consistent X

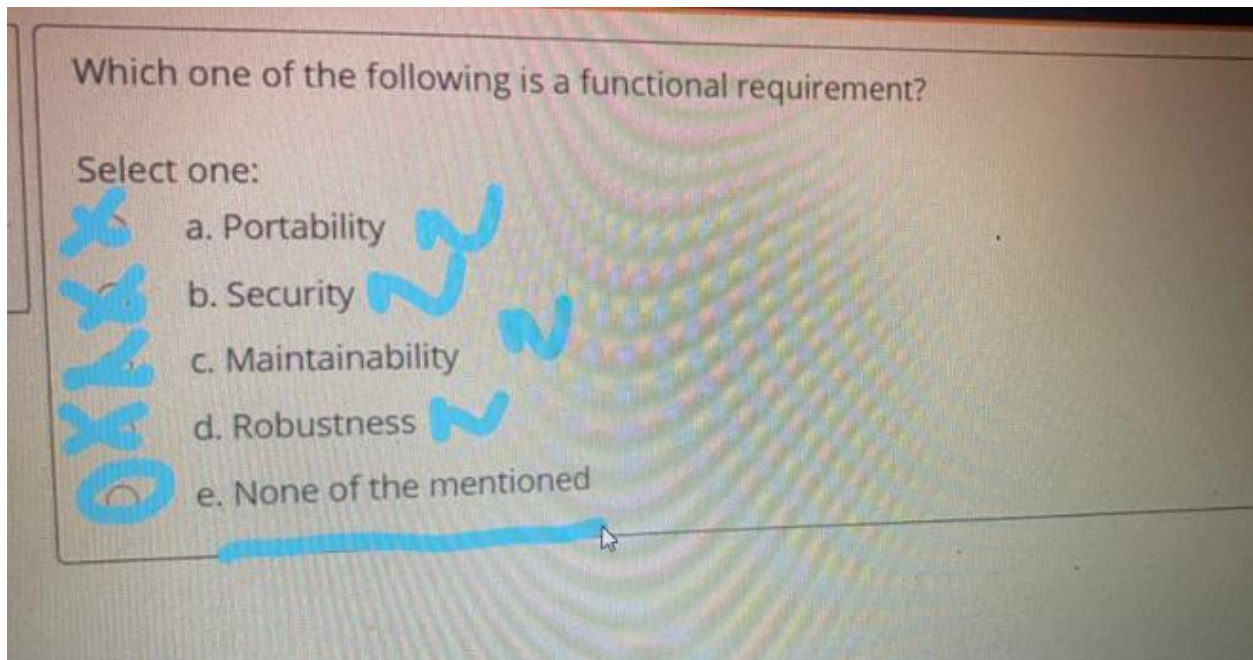
32. Which model can be used for a small, well-defined software project of 2nd year students ?

Which model can be used for a small, well-defined software project of 2nd year students?

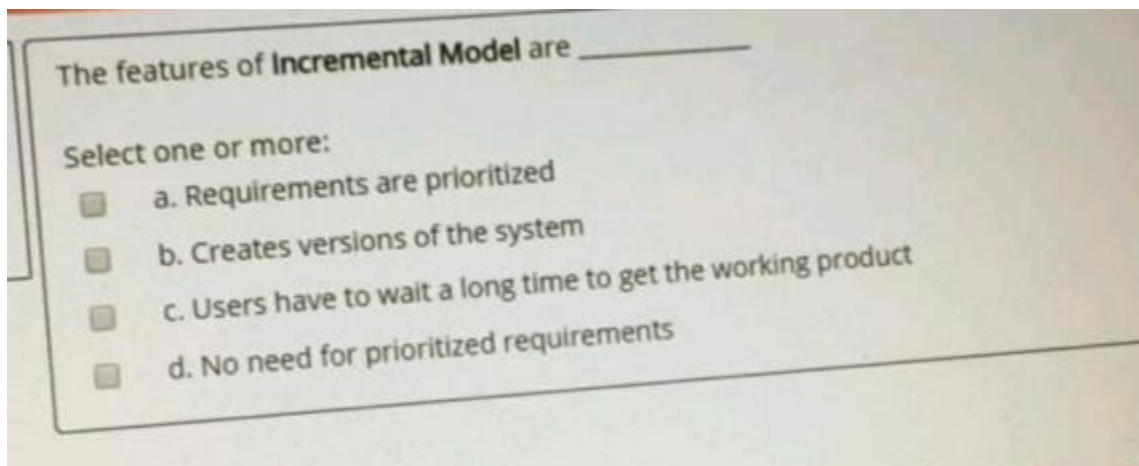
Select one:

- ☒ a. Waterfall model
- ☐ b. Prototyping model X
- ☒ c. V model
- ☐ d. Spiral model X
- ☐ e. Incremental model X

33. Which one of the following is functional requirement ?



34. The features of incremental model are



35. Use case scenario contents must include

Use Case scenario contents **must** include

1. Use case ID
2. Goal in context
3. Main Success Scenario steps

Select one:

- ☐ a. 1 and 3
- ☐ b. 1 only
- ☐ c. 1 and 2
- ☐ d. 1, 2 and 3
- ☐ e. 2 and 3

36. Selection of particular life cycle model is not based on

Selection of particular life cycle model is **not** based on _____

Select one:

- ☐ a. Technical knowledge of development team
- ☐ b. Project type and associated risk
- ☐ c. Requirements
- ☒ d. None of the mentioned
- ☐ e. Testing methods

37. Internet banking system must allow customers to transfer funds ...

"Internet banking system must allow customers to transfer funds." Which of the following types of requirement is represented here.

Select one:

- ☐ a. Constraint, Functional requirement.
- ☐ b. Precise, Non-functional requirement.
- ☐ c. Precise, Functional requirement.
- ☐ d. Imprecise, Non-functional requirement.
- ☐ e. Imprecise, Functional requirement.

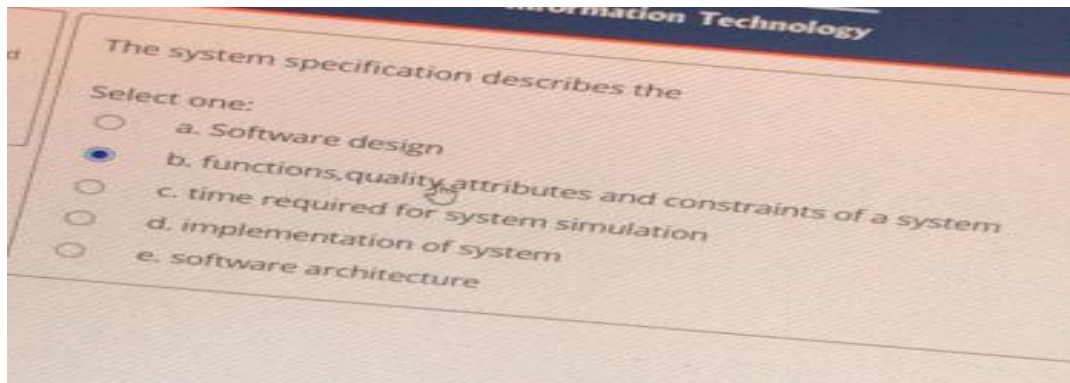
38. A company needs an inventory

A company needs an inventory control system to maintain its inventory. The company could either develop a new software in-house or purchase an already developed software. During which phase(s) of the classical waterfall model can the company management take the decision on whether it is best to develop the software in-house or to purchase existing software?

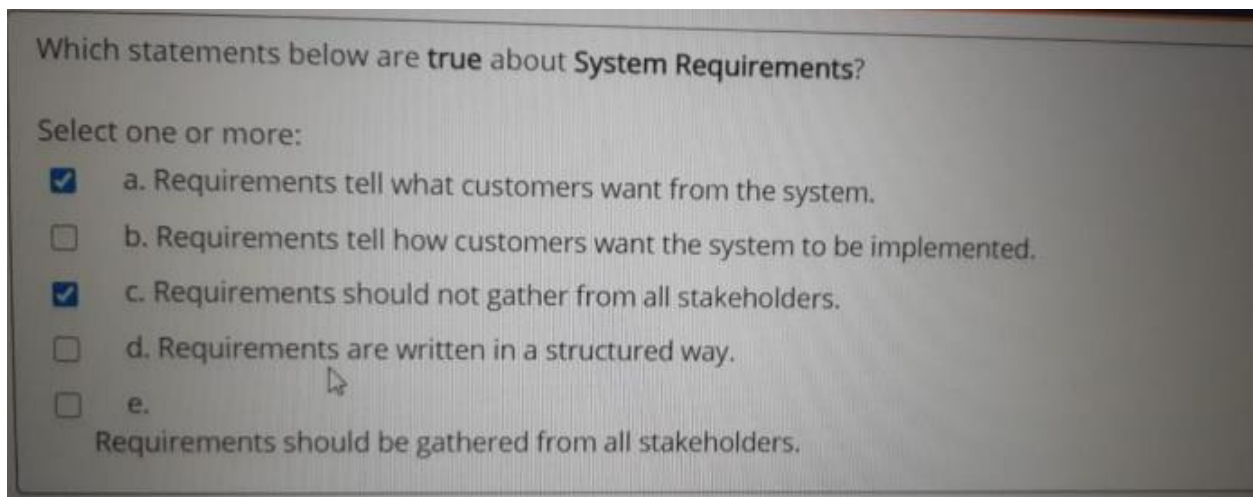
Select one:

- ☐ a. Implementation
- ☐ b. Design
- ☒ c. Feasibility study
- ☐ d. Testing
- ☐ e. Requirement

39. The system specification describes the



40. Which statements below are true about system requirements ?



41. For a well understood data processing application it is best to use ?

