

IBM

Exam C2010-637

Requirements Management with Use Cases - Part 2

Version: 3.0

[Total Questions: 111]

Question No : 1

In requirements management, what type of information is analyzed during "impact analysis"?

- A. Links between features and software requirements
- B. How to alter the text of changed requirements
- C. Impact of a problem on an organization
- D. Additional changes arising from changing a requirement

Answer: D

Question No : 2

What question helps identify the actors in software requirements?

- A. Who will be paying for the system?
- B. What subsystems will be in the system?
- C. Who will be using the system?
- D. Who will be designing the system?

Answer: C

Question No : 3

In which of the following cases could an "extend" relationship be implemented?

- A. One use case contains behavior optional to a second use case
- B. One use case contains behavior and purpose common to many other use cases
- C. One use case contains behavior common to a second use case
- D. Two use cases contain similar behavior

Answer: A

Question No : 4

Given: A developer is creating a use-case model for telephone installations. One of the

sub-flows in the "Manage Installer's Schedule" use case displays an installer's schedule for a whole day. The client for whom the system is being built wants to add a new feature that allows a dispatcher to optionally display mileage between phone installation locations. Instead of modifying the "Manage Installer's Schedule" use case, the developer decides to create a new use case called "Display Mileage." What relationship should be created between the "Display Mileage" use case and the "Manage Installer's Schedule" use case?

- A. Generalization
- B. Modify
- C. Include
- D. Extend

Answer: D

Question No : 5

Given: Consider the following set of initial user requests from a telephone company about a new customer service system: * The telephone company customer service system shall be able to record and answer questions about telephone installations. * When a customer requests a new telephone, the service representative shall record the customer's name, address, assigned phone installer, and a projected time of the installation. * After installation is complete, start time and duration of installation are recorded. * Start time shall include the year, month, day, hour, and minute. What is the most appropriate name for one of the use cases in this software system?

- A. Phone installation
- B. Update phone installation database
- C. Schedule phone installation
- D. Record start time

Answer: C

Question No : 6

What does the "flow of events" in a use case describe?

- A. Relationships between the use case and other use cases
- B. Interactions between the system and its actors
- C. "Happy day" scenario

D. Relationships between the use case and its actors

Answer: B

Question No : 7

To reduce complexity, what can replace "looping constructs" in conditional statements?

- A. Alternative flow
- B. Basic flow
- C. In-line conditional behavior
- D. Scenario

Answer: A

Question No : 8

In requirements management, what is a KEY component of a change control process?

- A. There is an open communication channel between stakeholders.
- B. Changes are approved through a single channel.
- C. Changes are kept in a repository.
- D. The customer has access to the development team to ensure that changes are implemented correctly.

Answer: B

Question No : 9

Which of the following are properties of a use case? (Select all that apply.)

- A. Supplementary specifications
- B. Name
- C. Preconditions
- D. Design constraints
- E. Flow of events
- F. Special requirements

Answer: B,C,E,F

Question No : 10

What does a use-case diagram show?

- A. Actors, use cases, and the relationships between actors and use cases
- B. Actors, use cases, and the order in which use cases can be performed
- C. Actors, use cases, and the flow of events in use cases
- D. Actors, use cases, and the non-functional requirements in use cases

Answer: A

Question No : 11

Given: Consider the following set of initial user requests from a telephone company about a new customer service system: * The telephone company customer service system shall be able to record and answer questions about telephone installations. * When a customer requests a new telephone, the service representative shall record the customer's name, address, assigned phone installer, and a projected time of the installation. * At the end of each day, the technicians shall record their work. * Start time shall include the year, month, day, hour, and minute. What is the most appropriate classification name for one of the actors in these system requirements?

- A. Calendar
- B. Customer
- C. Installer
- D. User

Answer: C

Question No : 12

Refer to the exhibit below. Which actors can interact with the "Distribute News" use case? (Select all that apply.)

- A. Scheduler

- B. Broker
- C. Market trading system
- D. News system
- E. Trading customer

Answer: A,D,E

Question No : 13

Which of the following are appropriate reasons for including an alternative flow of events in a use case? (Select all that apply.)

- A. Actor requires 99.9% reliability
- B. Actor has several ways to accomplish a goal within the system
- C. Actor can stop the use case at any time
- D. Actor must have previous information before the use case can begin

Answer: B,C

Question No : 14

What does a pre-condition describe?

- A. First event in the basic flow of events for a use case
- B. Pre-determined association between a use case and another use case
- C. State of the system before a use case can start
- D. First non-functional requirement for a use case

Answer: C

Question No : 15

The top 20% of root causes are problems that need to be solved. Where are these root causes captured?

- A. Pareto principle
- B. Business model

- C. Problem statement
- D. Problem analysis roadmap

Answer: C

Question No : 16

Why is using configuration management to maintain requirements beneficial? (Select all that apply.)

- A. Preserves requirement document revisions
- B. Allows a managed baseline release strategy
- C. Prevents circular traceability links
- D. Guards against changes to a requirement that could impact other requirements

Answer: A,B

Question No : 17

What does the "flow of events" in a use case describe?

- A. Relationships between the use case and its actors
- B. Interactions between the system and its actors
- C. Relationships between the use case and other use cases
- D. "Happy day" scenario

Answer: B

Question No : 18

What question will help prevent defining a use case that is too small?

- A. What common behavior does this use case have with other use cases?
- B. What goal does an actor achieve with this use case?
- C. How does this use case fit into the overall structure of the system?
- D. What steps will an actor perform in this use case?