Exam : 1D0-538
OBJECT ORIENTED ANALYSIS AND DESIGN (JCERT)

Demo Version

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Question: 1
Refer to the exhibit to answer the question:

The Acme Ticket Company is an international company with a ticketing system from which tickets for major events such as musical concerts, theater and sports events, can be purchased over the phone. It employs many agents to answer call inquiries concerning dates and locations, and, in most cases, results in the caller purchasing tickets.

Scenario: **Purchase tickets from the Acme Ticket Company over the phone**

A customer calls to purchase tickets to an event. The agent asks the caller for the name of the event, its location and preferred dates. The caller provides this information. The agent informs the caller if seating is available for the requested show and the available ticket prices. The caller selects the ticket price and the number of seats. The agent locates the required number of seats in a section and holds them temporarily so they cannot be taken by another agent. The agent informs the caller of the viewing angle of the seating, such as from the left side, front, or back of the stage.

The caller decides on the section and confirms the number of tickets. The agent collects payment information from the caller, such as the cardholder name, credit card number, and expiration date. After receiving the credit transaction authorization from the card issuer, the agent confirms the ticket purchase and gives the confirmation number to the caller. If the sale does not complete due to bad credit, the seats are released, otherwise the seats are sold. If the credit card system is not operational, the seats are held and the sales transaction will be completed later. All sales are final. The customer and agent agree on either having the tickets mailed directly to the customer   mailing address or held at the "will-call" box of the performance location.

The Acme Ticketing System is to be updated so customers can also purchase tickets directly via the Internet. Besides the Agent which already exists, which of the following are also actor(s) for the updated system?

A - Internet Browser
B - Customer
C - Customer, Ticketing System
D - Customer, Internet Browser
E - Customer, Internet Browser, Ticketing System

Answer: B

Question: 2
Consider the following statements from a domain expert on a project:

An automated bill-payment functionality needs to be added to our online banking application. The bank's customer can make online bill payments to vendors (such as the electric company, telephone company, rental agency). Only vendors who have already signed up with the bank can be paid. There are two ways to make payments:

1. Specify a one-time payment for a specific amount, or
2. Establish regular payments to be made on a specific interval such as monthly or weekly.

Customers are notified of the details of successful payments via email. Their email addresses are already available.

Which of the following are requirements that MUST be reflected in use cases?

A - The customer must be given a choice of notification modes, via email or surface mail.
B - The customer must be given a choice of adding a new vendor to the bank's list of payees.
C - The customer must be given a choice of payment modes, one-time payment mode and
      recurring payment mode.
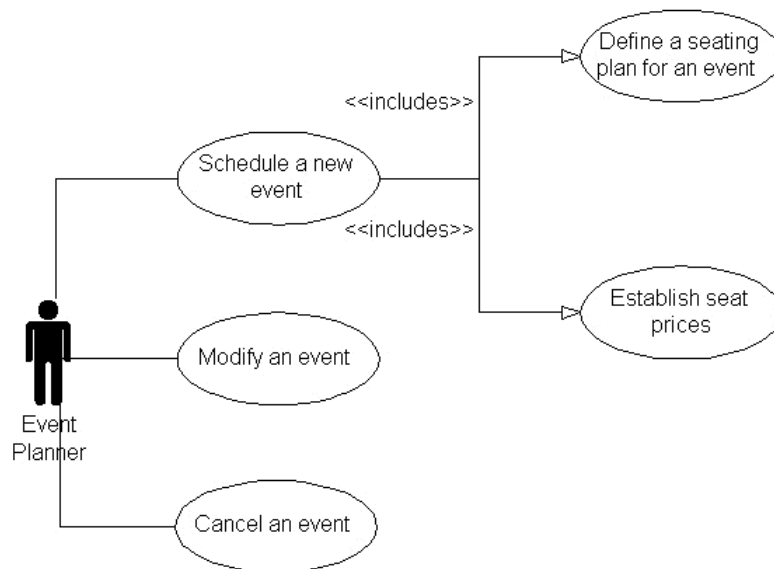D - When a payment attempt succeeds, the customer must be notified of the details via email.

Answer: C, D

Question: 3
Arena events are scheduled by the event planner. When an event gets scheduled, it is added to

the arena schedule. Each event is scheduled for a date and time period. Each event has different prices for different seat types. Each arena can hold different types and quantities of seats. The possible types of seats are: balcony, mezzanine, and floor. In addition, an arena can be reconfigured based upon the event type. For example1 a hockey game will use the floor space for the game; a concert will use the floor space for seating. At this time, the event planner has a master schedule for all events and facilities

There are new requirements to create seating configurations that are reusable, store those configurations in an external database, and automatically create a weekly event status report.

What new use cases are necessary?

A - Create a seating configuration, Store seating configuration, Generate event status report.
B - Create a seating configuration, Generate event status report.
C - Create a seating configuration, Modify a seating configuration, Delete a seating configuration.
D - Store seating configuration, Generate event status report.

Answer: B

Question: 4
An application project is being built that enables users to research stocks interactively over the Internet.

- Mary has been a stock analyst for years and understands how to use technical indicators, such
  as price movements, to determine when to buy and sell stocks.
- Sam has been a stock analyst for years and understands how to use techniques such as
  Price/Earnings (P/E) valuation and growth rates to determine when to buy and sell stocks.
- Harry is the company webmaster and knows a lot about the Internet.
- Denise is the manager in charge of the project and is ultimately authorized to decide what
  requirements are to be delivered in the different releases.

Who would be MOST effective to include in the use case writing sessions for this application?

A - Mary, Sam, Harry and Denise during requirements discussions.
B - Mary, Sam, and Harry during requirements discussions. Denise occasionally to approve the

decisions.
C - Mary during requirements discussions that relate to technical trading techniques. Sam during discussions that relate to valuation trading techniques. Harry occasionally to answer technical feasibility questions. Denise as much as possible to make scope decisions in realtime.
D - Mary during requirements discussions that relate to technical trading techniques. Sam during discussions that relate to valuation trading techniques. Harry occasionally to answer technical feasibility questions. Denise occasionally to approve the decisions.

Answer: C

Question: 5
A GUI proto type has been demonstrated to marketing personnel and end users for a project. During the demonstration, it became clear that the terminology used and computer skill level were not a good match for the end users, but marketing was thrilled with the state-of-the-art user interlace designed. What steps should the analyst take?

A.   Update the object model and GUI to match the end users' terminology and continue with development.
B.   Update the object model and GUI to match the end users' terminology, redesign the GUI to be targeted to a less-skilled user, iterate on the proto type, explain the steps you are taking to marketing, and hold another demonstration session with end users and marketing.
C.   Update the GUI to match the end users' terminology, arrange training offerings to accompany the product release to enhance end user skills, support marketing in a road trip to client sites as well as conference demonstrations.
D.   Update the GUI to match the end users' terminology, continue with development, and support marketing in their trips to client sites as well as conference demonstrations.

Answer: B

Question: 6
When writing the initial use cases for a project, it is MOST important to define:

A - The job title for each user of the system.
B - What user requirements will be fulfilled.
C - How user requirements will be fulfilled.
D - How external system interactions will be fulfilled.

Answer: B

Question: 7
Which of the following is NOT a UML mechanism used to organize use cases?

A - Generalization
B - Override
C - Extend
D - Include
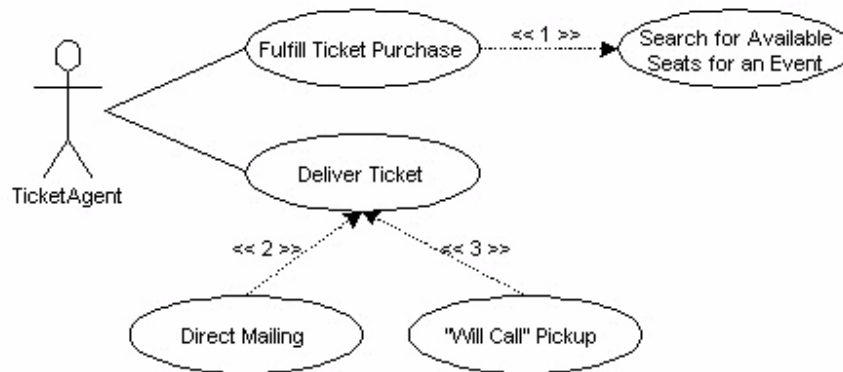
Answer: B

Question: 8
The Acme Ticket Company is an international company with a ticketing system from which tickets for major events such as musical concerts, theater and sports events, can be purchased over the phone. It employs many agents to answer call inquiries concerning dates and locations, and, in most cases, results in the caller purchasing tickets.

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Which one of the following labels should be used to describe lines 1, 2, 3?

A - Include, include, include
B - Include, include, extend
C - Include, extend, extend
D - Extend, include, extend
E - Extend, extend, include

Answer: C

Question: 9
The following interaction occurs during a requirements discussion:

End user "The trader should be able to set up multiple stock trades to be submitted together."

Developer "So, thats like a queue that gets processed first-in, first-out, right?"

End user "That's right. Once the trade occurs, the stocks show up in the user's portfolio."

Developer "The portfolio is a container of the user's stocks then?"

What terms should the analyst include in the related use cases?

A - Queue, container
B - Trade, container
C - Trade, portfolio
D - Trade, queue, portfolio, container

Answer: C

Question: 10
An Interaction Diagram should be associated with

A - a Use Case.
B - an Activity Diagram.
C - a CRC card.
D - a State Transition Diagram.

Answer: A