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Time taken	5 mins 8 secs
Marks	4.75/5.00
Grade	95.00 out of 100.00
Feedback	You have completed UML Handson

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Question

1

Correct

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Identify the missing usecase that is part of bill calculation from the scenario

Allen Corporation is a leading Integrated Hospitality Chain in UK. The company is headquartered in London and has several business operations. It started as a small organization and due to the efficient operations the company attracted a huge customer base and was very successful. The company decided to expand operations around Europe and decided to implement a robust I.T solution to enhance business operations.

The company had several divisions which had several service offerings for the customer. One such division is Holiday Package Division

Holiday Package Division

The holiday package division is very popular. The company offered short tour packages all over Europe/Africa. The company has several packages. The base package is for 3 nights/2 days and applicable for couple.

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If the customer is a single traveler then 60% of the base rate is applicable. If there is a third traveler in addition to the couple, the extra person will have to

incur a charge of 40% of the base rate. Any extra person will carry the same charge. However if the extra person is a child of the couple, then only 20% of the base rate is applicable. If the child is below the age of 5, then the company will not levy any fees, but all taxes will be levied.

The company has certain specific provisions for customers.

- 1) Repeat/Frequent customers will get a discount of 7% (Frequent customer means customer who uses the holiday package atleast once in every 2 months).
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The local government of Nottingham gives a 4% rebate on the service tax to honeymoon couples.

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There are some options given to the traveler which can be purchased as an add-on to the existing tour package.

The accommodation is standard double room. This can be upgraded to standard ac by paying an additional 20 Euros per day per room. Upgrade to deluxe ac can be done by paying an additional 40 Euros per day per room.

The company also offers holiday insurance as an optional add-on. This works out to 80 Euros per person per package. For children (below the age of 18) it is 40 Euros per child per package.

The package has to be booked at least 30 days in advance. 40% of the tour package amount has to be paid as advance at the time of booking and the remaining amount has to be made 3 days prior to the tour date. If the amount is not paid in time, the booking will be nullified and the entire amount is forfeited.

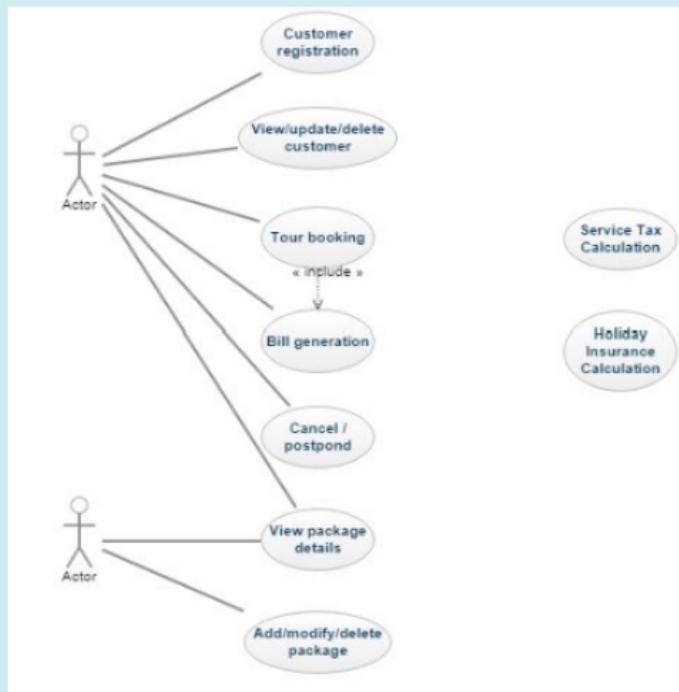
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Select one:

- a. Bill Calculation
- b. Discount Calculation ✓
- c. Cancel and post-pond charges

Your answer is correct.

The correct answer is: Discount Calculation

**Question
2**
Correct

Identify, whether there is a relation between bill generation and cancel/postpone if present what type of relation from the given scenario

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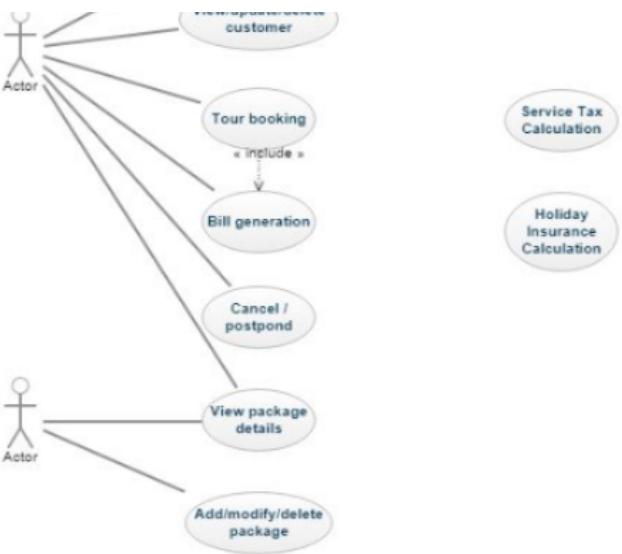
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Select one:

- a. include ✓
- b. extends
- c. no direct relation

Your answer is correct.

The correct answer is: include

Question 3

Correct

Mark 1.00
out of 1.00

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Is the given usecase diagram correct for the given scenario

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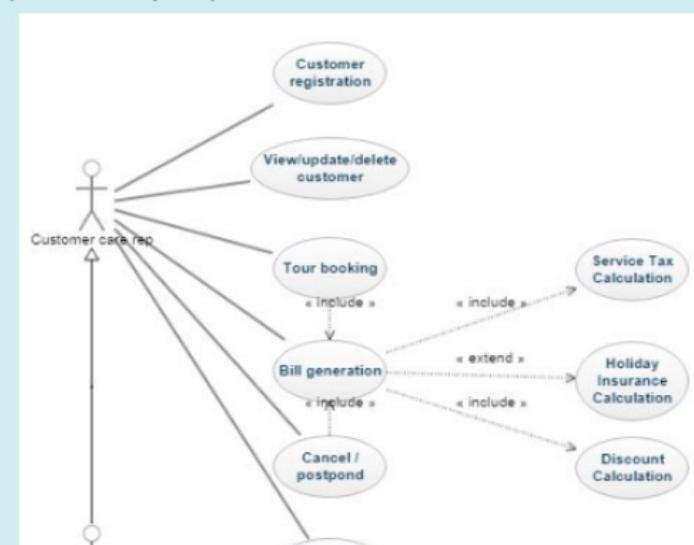
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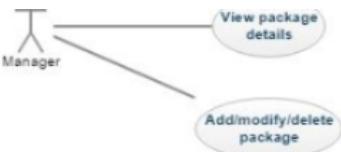
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Select one:

- True
- False ✓

The correct answer is 'False'.

Question 4

Correct

Mark 1.00
out of 1.00

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question

In a library there are many books and members register themselves with their name, age, address and if staff with staffid, department or if student then regno, year. Registered members can borrow the book. The details of the books been borrowed by the members are also maintained. Every time a member borrows a book the return date is calculated. If the date of return by the member is beyond the return date, then a penalty is calculated. The difference in date and the return date are calculated using a helper class methods

For the given scenario identify the classes.

Select one:

- a. Member, Staff, Student, Book, Transaction, DateCalculator ✓
- b. Member, Staff, Student, Book, DateCalculator
- c. Member, Book, Transaction, DateCalculator
- d. Member, Staff, Student, Book, Transaction

Your answer is correct.

The correct answer is: Member, Staff, Student, Book, Transaction, DateCalculator

Question 5

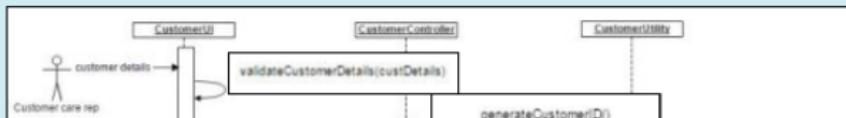
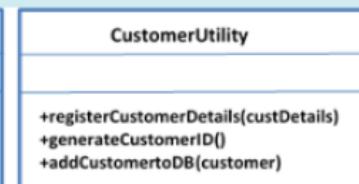
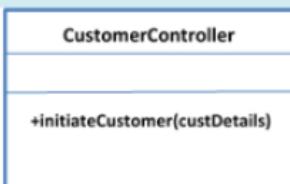
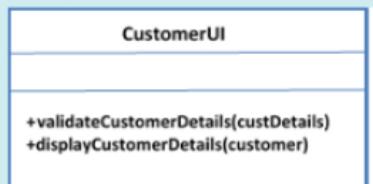
Partially correct

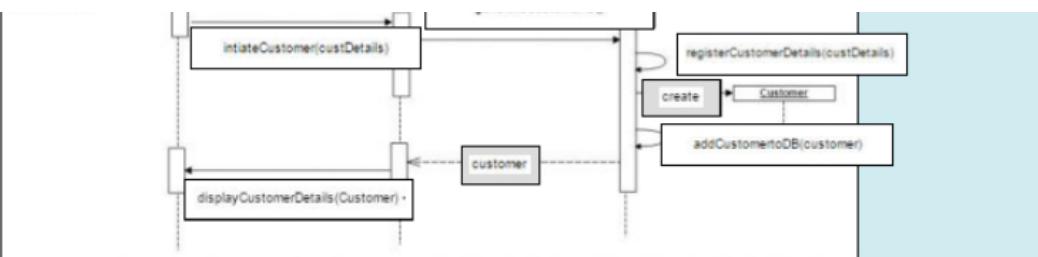
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Complete the sequence diagram.

Classes present





Your answer is partially correct.

You have correctly selected 6.

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