Assignment Question

Make Payment using Overloading

Consider doing an extra feature for the stage show organizers. Bring up an interactive console application for Billing so that our application looks unique from other competitors. Customers pay using cash, online wallets, and credit card. For each category obtain the necessary information from the user. You also require a receipt for all the transactions which should be printed at the end of the transaction. Let's increase our coding proficiency by implementing Function overloading for the payments. Hence write a program meeting all the above specifications.

Create a class named TicketBooking with the following private attributes.

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Attributes	Datatype
stageEvent	String
customer	String
noOfSeats	Integer

Include getters and setters for the class.

Include default and parameterized constructors.

The format for a parameterized constructor is TicketBooking(String stageEvent, String customer, Integer noOfSeats)

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The TicketBooking class has the following methods.

Method Name	Description
public void makePayment(Double amount)	This method is for cash payment. This method accepts amount as input and displays the transaction detail
public void makePayment(String walletNumber ,Double amount)	This method is for wallet payment. This method accepts amount and wallet number as input and displays the transaction detail.
public void makePayment(String creditCard,String ccv,String name,Double amount)	This method is for credit card payment. This method accepts credit card detail, ccv, card holder name ,and amount as input and displays the transaction detail

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Create a driver class called Main. In the Main method, obtain input from the user in CSV format and call appropriate methods for transactions. If a choice other than specified is chosen, print "Invalid choice".

Note: display one digit after the decimal point for double values.

[Strictly adhere to the Object-Oriented Specifications given in the problem statement.

All class names, attribute names, and method names should be the same as specified in the problem statement.]

Input Format

The first input is ticket booking details. Format for TicketBooking Input is stageEvent, customer, and noOfSeats separated by a comma.

The next integer value is Payment mode. If 1. Cash payment, 2.Wallet payment and 3.Credit card payment.

If the Payment mode is 1, then read the integer input which represents the amount

If the Payment mode is 2, then read integer input which represents the amount, followed by the wallet number(string)

If the Payment mode is 3, then read string input which represents the cardholder name, followed by the amount (integer), credit card type(string), and CCV number(String)

Output Format

Refer to the sample Output for formatting.

Sample Input and Output:

Magic show,Lunu,43 1 500	Stage event:Magic show Customer:Lunu Number of seats:43 Amount 500.0 paid in cash
PCB workshop,Ahamed,3 2 300 ASD-951	Stage event:PCB workshop Customer:Ahamed Number of seats:3 Amount 300.0 paid using wallet number ASD-951
Electronics,Raja,2 3 Raja 200 Master 9874-4758-9856	Stage event:Electronics Customer:Raja Number of seats:2 Holder name:Raja Amount 200.0 paid using Master card CCV:9874-4758-9856
Foodies,Alice,1 4	Invalid choice