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CS304 ASSIGNMENT 1 SOLUTION SPRING 2021

Provided by VU Answer

Total Marks: 20

Due Date: 12/5/2021

The tasks you have to do are in given assignment:

1. Extract the main objects (entities) of above system.
2. Find the necessary attributes and functions that need to be associated with each object.
3. Identify the relationships among identified objects.
4. Construct a final comprehensive Class diagram showing all objects and their relationships along with their attributes and functions.

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Task 1:

Extract the main objects (entities) of above system.

Solution:

1. Customer
2. Product
3. Order
4. Payment
5. Card

Task 2:

Find the necessary attributes and functions that need to be associated with each object.

Solution:

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Attribute	Function
int Name;	Login();
int Mobile_no;	registration();
	payment();

Attribute	Function
Name;	getProduct();
price;	

Attribute	Function
Amount;	Slip_Generate();
ATM_card_no;	

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Attribute	Function
ID;	update();
Date;	delete();

Task 3:

Identify the relationships among identified objects.

Solution:

Relation identify is

Order ⟷ Payment

Payment ⟷ Product

Customer ⟷ Card

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Task 4:

Construct a final comprehensive Class diagram showing all objects and their relationships along with their attributes and functions.

Solution:

Customer
String name;

Int Mobile_no;

int login();
int registration();
int payment();

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Product
int price; string name;
int GetProduct();

Order
int number; int date;
int detail();

Payment
int amount; int ATM_Card_no;

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int SlipGenerate();

Card
int ID; int Date;

int update();
 	
int delete();

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Make sure you can make some changes to your solution file before submitting copy paste solution will be marked zero.

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WhatsApp +923162965677 Freely if you need some help and question about file and solutions.

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