

You need to create the foundations of an e-commerce engine for a B2C (business-to-consumer) retailer. You need to have a class for a customer called User, a class for items in inventory called Item, and a shopping cart class called Cart. Items go in Carts, and Users can have multiple Carts. Also, multiple items can go into Carts, including more than one of any single item.

Test Case:

Inventory:- (id, name, price, sold, available)

1,'apple',100,0,10

2,'green coconut',150,0,1

3,'milk',24,0,100

Cart 1:

2- apple

3-milk

Cart 2:

3- green coconut

20-milk

Expected Outcome:

ID 1 Name: Parth

Out of stock

This Cart belongs to Parth with ID 1

Item apple

Item apple

Item milk

Item milk

Item milk

Total price = 272

This Cart belongs to Parth with ID 1

Item green coconut

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

Item milk

```
Item milk
Item milk
Item milk
Item milk
Item milk
Item milk
Item milk
Item milk
Total price = 630
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