

Group No. 5

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Project Domain : Retail Store (Traditional Store)

Project Name : 9 - Eleven

Usecases:

1. listByCategory (Pranav)

Description (Normal Flow) : list of items of a given category displaying - qty,, price etc which can be sorted by different attributes

Actor : owner of store

Exceptions :

- no item in the requested category → print : category is empty
- Category does not exist → print : Category does not exist

2. listSaleByCategory (Ritik)

Description (Normal Flow) : list the sale from each category ; sort by qty, price, etc

Actor : owner of store

Exceptions :

- No sales data : print → No sales yet

3. listByExpiryDate (Ansh)

Description (Normal Flow) : list items that will expire in given months **OR** list expired items

Actor : owner of store

Exceptions :

- No product expires in the given time → print : No products expire in given months

4. processOrder (Pranav)

Description (Normal Flow) : print the bill for the products bought by customer and update stock data accordingly

Actor : owner of store

Exceptions :

- If the owner overshoots the qty of a product in bill by mistake → print : Not enough stock
- If the product is expired → print : Expired products in the order

5. addItems **(Ritik)**

Description (Normal Flow) : add items to inventory and update vendor and product details

Actor : owner of store

Exceptions :

- If productID and category don't match → print : Enter valid data

6. removeProduct **(Ansh)**

Description (Normal Flow) : remove items from the inventory and update the Removed_products table

Actor : owner of store

Exceptions :

- If productID and batchID combination does not exist → print : No such product or batchID exists.

7. lossSufferedByMonths **(Ansh/Ritik/Pranav)**

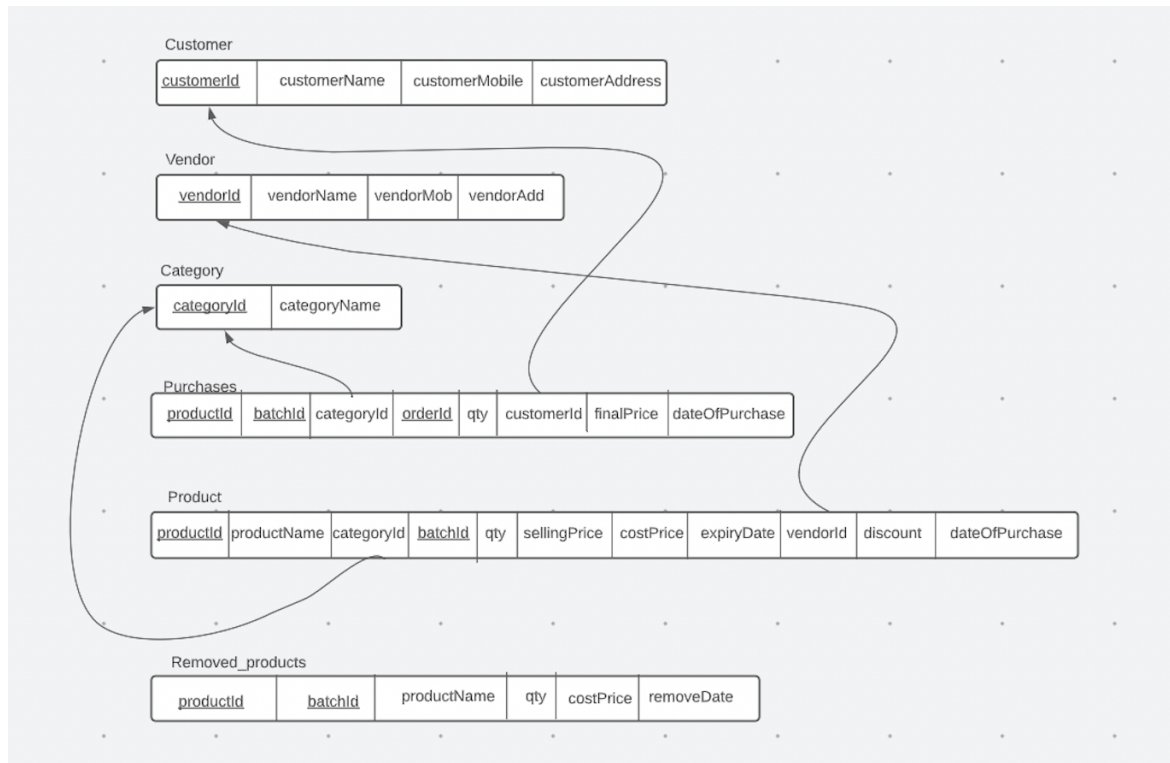
Description (Normal Flow) : gives the total loss suffered in the month.

Actor : owner of store

Exceptions :

- If no loss in the given month → print : No loss suffered in the given months

Schema Diagram :



UML Class Diagram :

