Wholesale Management System

TEAM MEMBER NAME

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Problem Statement –

This Wholesale Database Management System will work for Business Owners, Customers and suppliers. It will include all the information of customers, sellers, products being sold, orders, payments and reviews. It have a Login System for customers. Customers will be required to login to the system or they can create an account if they do not yet have one where they will have to provide their full name, email, delivery address, security question, and a password. Customers must give a unique Email Id. But in this we didn't add this feature.

Each product will be assigned with a product id to identify it uniquely and have few more attributes . Customers with few more attributes and like wise for all existing entities .
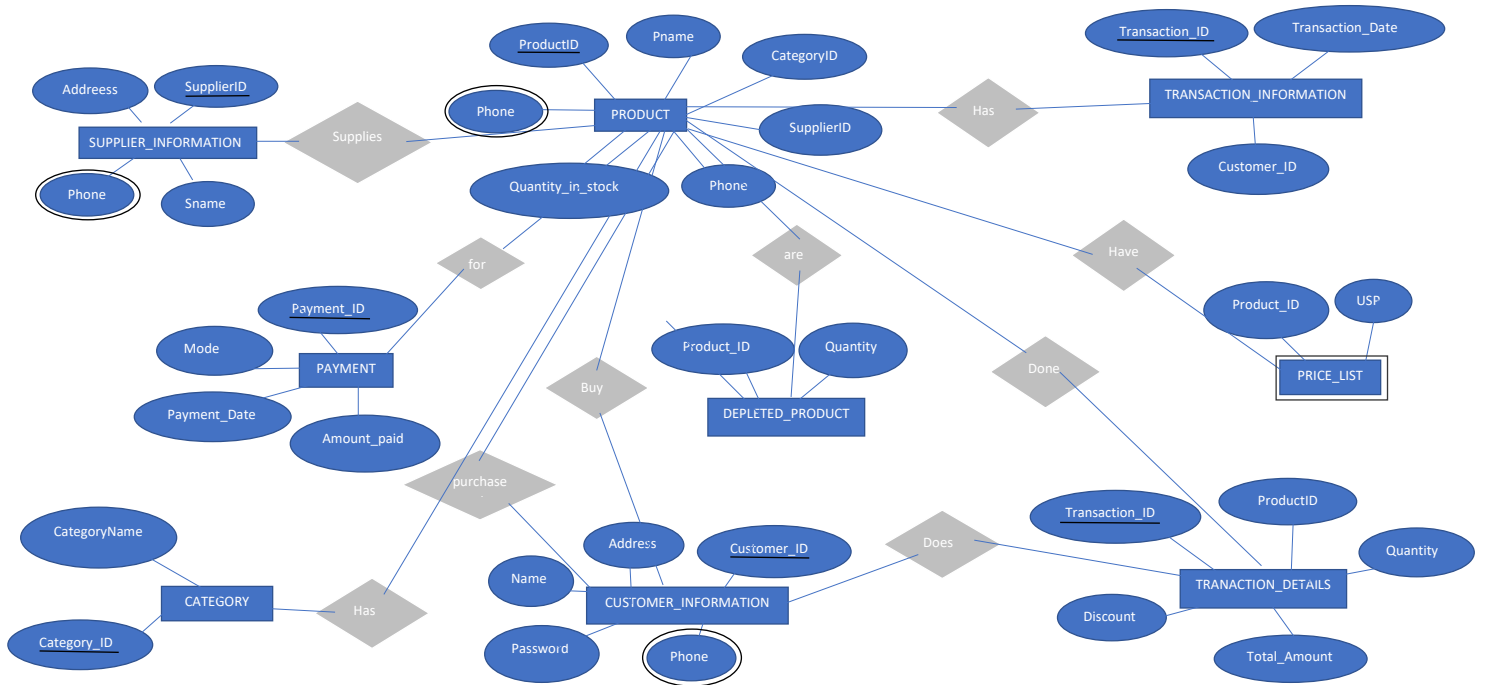
Wholesale Management System entities and their attributes:

- ➢ **Stock Entity:** Attributes of stock include ID, name, quantity, etc.

- ➢ **Buyer/Customer Information Entity:** Attributes of buyer including buyer ID, name, address, phone, password.

- ➢ **Category Entity**: Attributes of category includes i.e., id, name.

- ➢ **Payment Entity:** Attributes of payment includes i.e., Transaction id, Mode of payment, Transaction date, Amount paid.

- ➢ **Price list Entity:** Attributes of price list i.e., Product id, USP.

- ➢ **Product Entity:** Attributes of product includes i.e., product id, name, supplier id, Category id, Quantity, price.

- ➢ **Order Entity:** Attributes of Order includes i.e., id, date, quantity

- ➢ **Supplier Entity:** Attributes if supplier includes i.e., id, name, address, phone.

- ➢ **Transaction details:** Attributes of Transaction includes i.e., id, product id, quantity, discount, Amount, Date.

- ➢ **Transaction Information Entity:** Attributes of transactions includes i.e., Transaction id, Customer id, Date.

Conclusion: Limitations and Discussion

- This is a small prototype of a sales management application for a wholesale business. The limitation of the application is that it lacks enough features to be implemented in a real life situation.

- Such an application, if built with professional expertise, can be highly useful cost effective way for small businesses to manage themselves efficiently. A wholesale business works completely on the concept of offline transactions thus making it easy to manage such an application since it doesn't have to manage online transactions, yet at the same time making the business records more secure.

ER DIAGRAM

RELATIONAL MODEL

WHOLESALE_MANAGEMENT Supplier_information
- SupplierID:int(11)
- Sname:varchar(30)
- Address:varchar(50)
- Phone:varchar(15)

Wholesale_management product
- ProductID:int(11)
- Pname:varchar(30)
- CategoryID:int(11)
- Quantity_in_stock:int(11)
- Unitprice:int(11)
- ReorderLevel:int(11)

Wholesale_managgement transaction_information
- TransactionID:int(11)
- CustomerID:varchar(3 0)
- Trans_int_Date:date

Wholesale_management payment
- TransactionID:int(11)
- Amount_Paid:int(11)
- Mode:varchar(30)
- Transcation_Date:int(11)

Wholesale_management depleted_product
- ProductID:int(11)
- Quantity:int(11)

Wholesale_management price_list
- ProductID:int(11)
- USP:int(11)

Wholesale_management category
- CategoryID:int(11)
- CategoryName:varchar(30)

Wholesale_management customer_information
- CustomerID:varchar(30)
- Name:varchar(30)
- Address:varchar(50)
- Phone:varchar(15)
- Password:varchar(15)

Wholesale_management transction_detail
- TransactionID:int(11)
- ProductID:int(11)
- Quantity: int(11)
- Discount:int(11)
- Total_amount:int(11)
- Trans_int_Date:date