Ecommerce Management Project

I made this project for Database Management Systems (DBMS). This project contains theoretical as well as implementation in SQL.

Contents

1. Mini world and Description

In this modern era of online shopping no seller wants to be left behind, moreover due to its simplicity the shift from offline selling model to an online selling model is witnessing a rampant growth.
Therefore, as an engineer our job is to ease the path of this transition for the seller. Amongst many things that an online site requires the most important is a database system. Hence in this project we are planning to design a database where small clothing sellers can sell their product online.
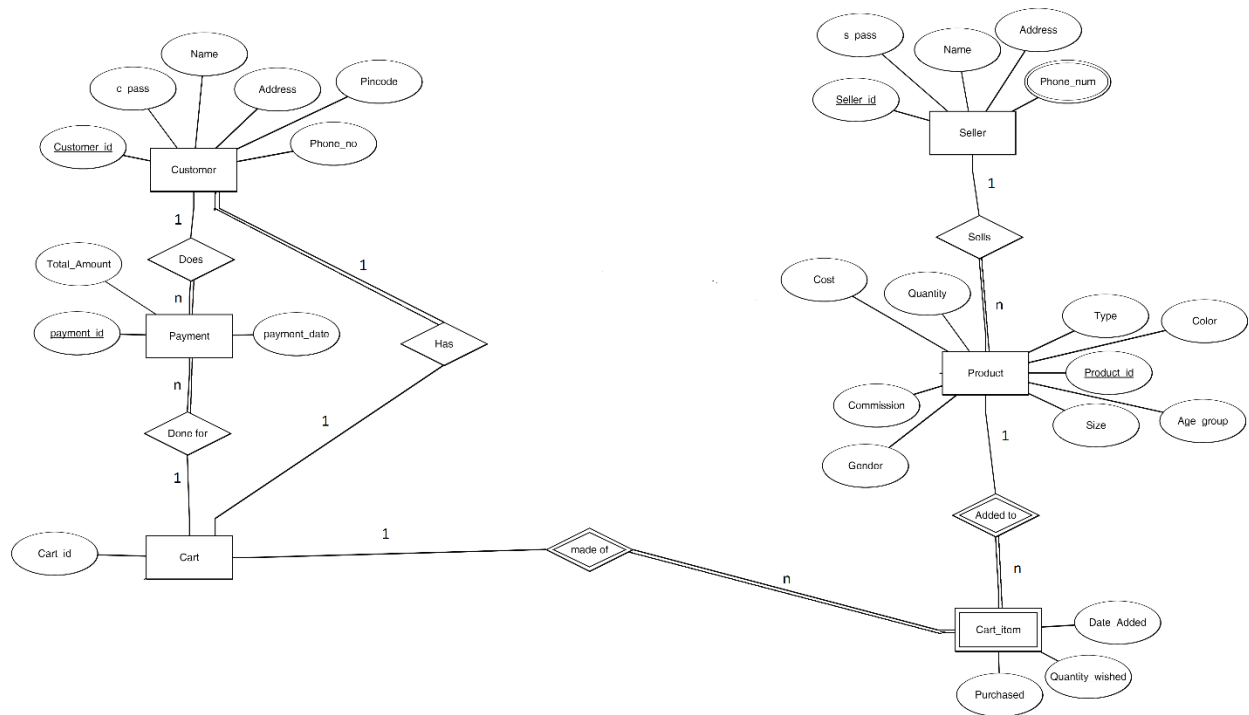
2. Basic Structure
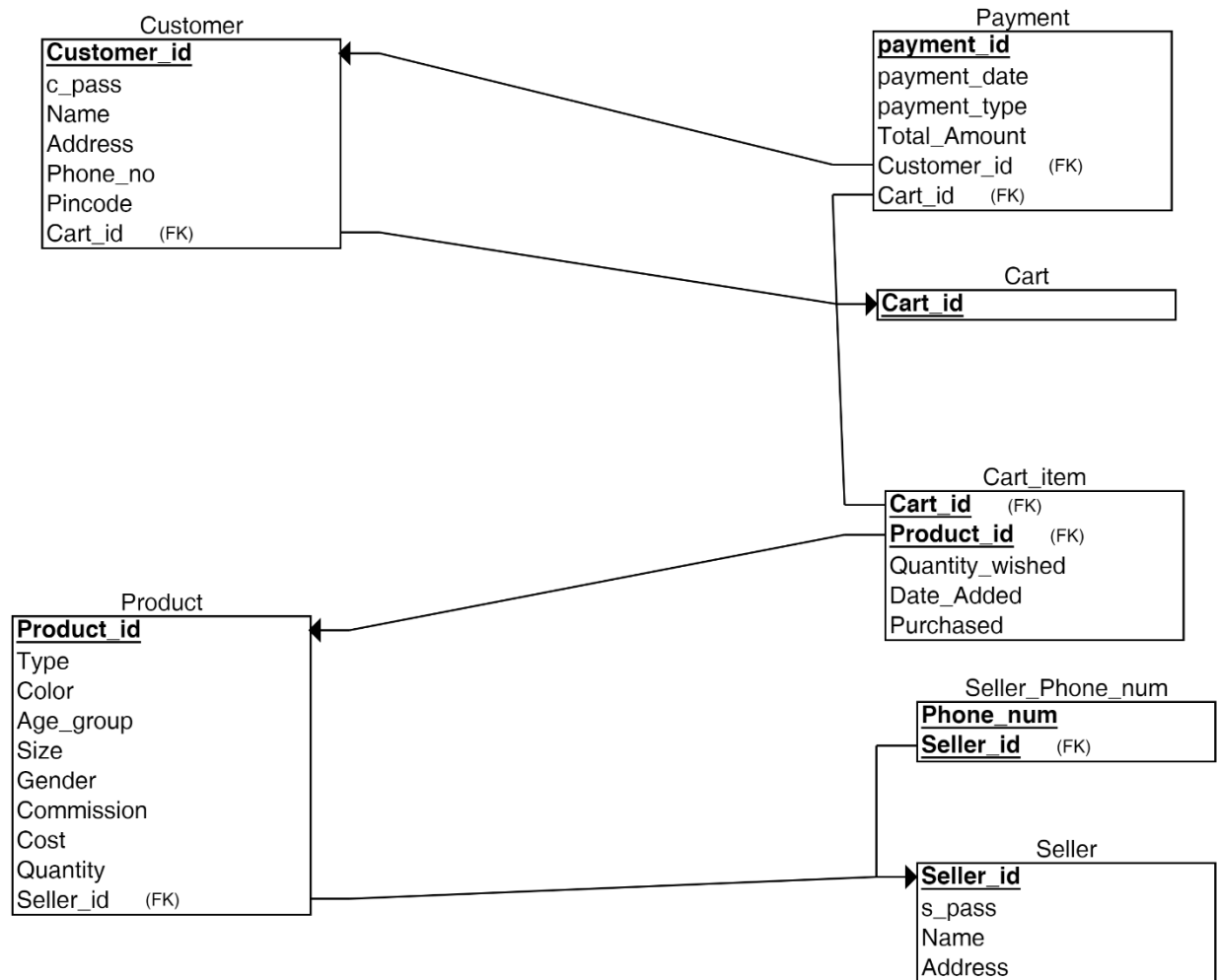
2.1 Functional requirement

- A new user can register on the website.
- A customer can see details of the product present in the cart
- A customer can view his order history.
- Admin can start a sale with certain discount on every product.
- Customer can filter the product based on the product details.
- A customer can add or delete a product from the cart.
- A seller can unregister/ stop selling his product.
- A seller/ customer can update his details.
- Admin can view the products purchased on particular date.

- Admin can view number of products sold on a particular date.
- A customer can view the total price of product present in the cart unpurchased.
- Admin can view details of customer who have not purchased anything.
- Admin can view total profit earned from the website.

2.2 Entity Relation Diagram

2.3 Relational Database Schema

Customer

Customer_id
c_pass
Name
Address
Phone_no
Pincode
Cart_id   (FK)

Payment

payment_id
payment_date
payment_type
Total_Amount
Customer_id   (FK)
Cart_id   (FK)

Cart

Cart_id

Cart_item

Cart_id   (FK)
Product_id   (FK)
Quantity_wished
Date_Added
Purchased

Product

Product_id
Type
Color
Age_group
Size
Gender
Commission
Cost
Quantity
Seller_id   (FK)

Seller_Phone_num

Phone_num
Seller_id   (FK)

Seller

Seller_id
s_pass
Name
Address

3. Implementation

3.1 Creating Tables

3.2 Inserting Values

4. Queries