DBMS WEEK 3

ER- MODEL PART 3

1. UMLET DRAWING

2. CROW’S FOOT DRAWING

Github Link : <https://github.com/saidireddy269/cpsc_50900_dbms>

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Proposal of Week 1:

Here I am proposing an online web-based system for my Online Product Delivery System. Here in that system, we will collect item that are ordered by various customers to different parts of the country and we will collect the items from the exact shop, packaged them and deliver it to the customer’s assigned address. So, a large-scale relational database is required. In that required system, my wish is to store the customer’s information, shop information, advertisement of products from different shops, information regarding the products, tracking the information of pick up, warehouse storage information of the packaged items and finally the delivery information of a purchased product.

All of the required information is necessary to make update to the customer as well as for a shop. So, each an every update is necessary to run the online business successful and obviously this time-to-time update will be a great achievement for us which will create customer and shop satisfaction as well as trust. Here some of the information will come from the customer end and some information will be there from the shop end. Customer will purchase with their basic information, provide the delivery details whereas the shops will provide their information and what they want to sell in the online platform. So, we will collaborate them and make the business by them.

The generation of information obviously come from the server end where the website will be supplying the information to our desired database. The customer information is used by both of us and shops where as customer will use the information provided by us as well as shops. So, each of the related stuffs, delivery partners, packaging partner will efficiently use the given data which is stored in the proposed database of Online Product Delivery System.

Week 2 Entity Description :

In this task, we must create a database management system (DBMS) in order to create tables and databases. In this case, we must build a total of 5 Tables in a single database. Because the database name isn't specified in this job, we can give it any name we like. Customer information, Product information, Supplier information, Sales information, and Store information are the five tables. Three to four properties are integrated for each table or object. First One is Product Info- Part Number, Quantity, Cost. The second one is Customer info- Customer Name, Customer ID, First Sale Date, And Total sales number.

The third one is supplier info- Supplier Name, Time of Delivery, Next date of delivery, Expected quantity. The fourth one is sales info- item sold, date, price, profit. The last one is Store info- Employee Names, Employee Roles, Employee ID. There are many entities relationships that also take place in this task between customer & store, Customer & Sales, Product & Sales, etc. Primary & Foreign keys are also used in this task like ID#.

ER Diagrams: Diagram

Description automatically generated

Diagram

Description automatically generated