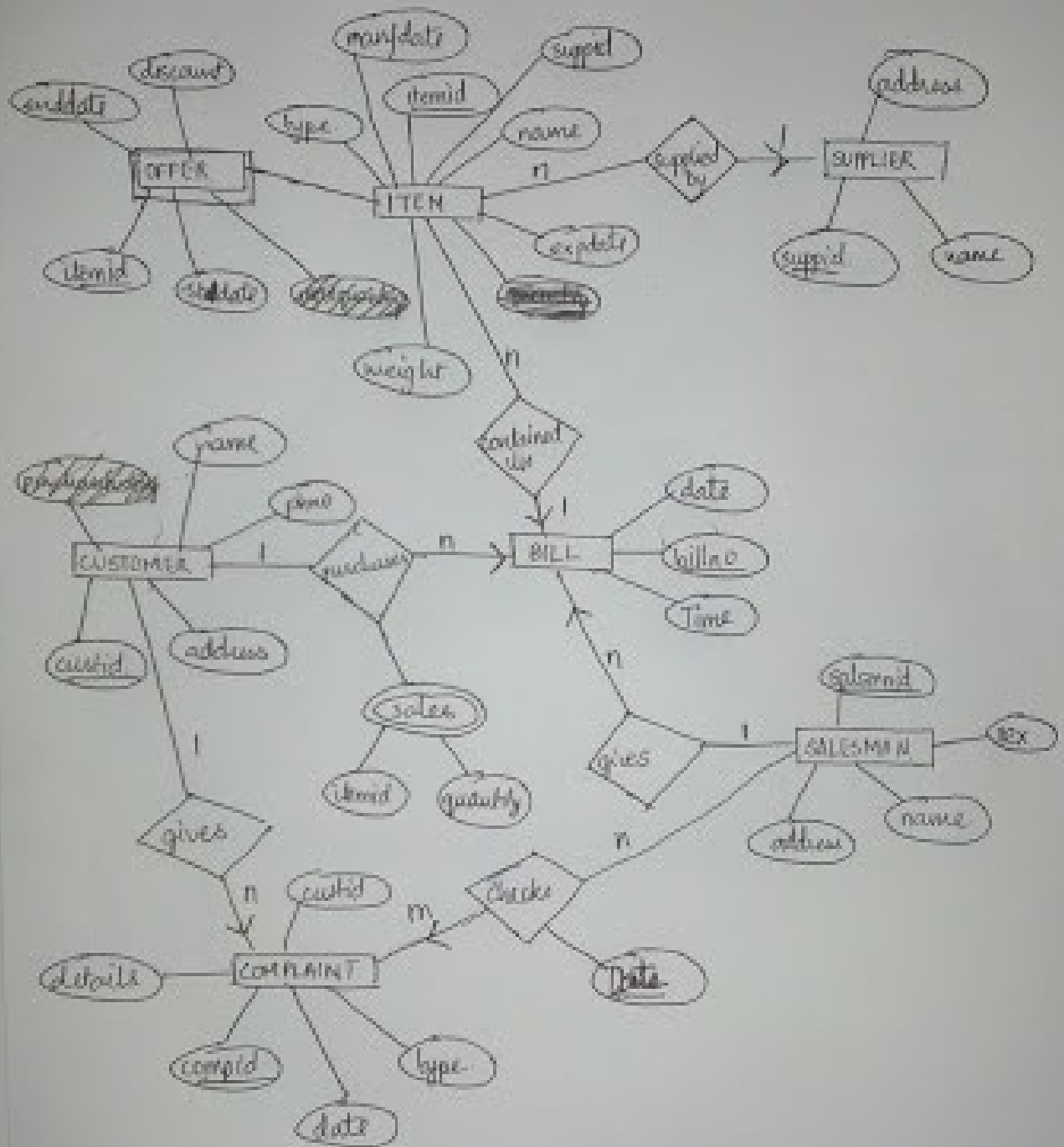# SUPERMARKET DATABASE

E-R DIAGRAM:

Description:

Each **Item** in the supermarket is specified by a unique **itemid** and it also has the following information associated with it ,Item also has a unique **name**.Item also has a **weight** and **type** associated with it.The expiry date (**expdate**) and manufacture date(**manfdate**) are also stored.It is supplied by a particular supplier who has his own unique **spplier id** and **name**.The Data base also has his **address**.

The supermarket also provides **discount** on items ,an offer specifies these details and is associated with only one item.Offer is subjected to **enddate**,the offer starts on a particular date(**stdate**).

For every customer the supermarket has a unique **custid** and **name**, the name **address** and phone number(**phno**) are stored for reference.

Customer purchases a bill .The bill contains items in it.The bill also has its own Unique **billno** ,the **date** and **time** when the bill is issued is also stored for reference.The is given by the salesman.

Salesman has a unique **salsmnid** and **name**,the **phno**,**sex** and **address** of a salesman are stored for reference.

Customer gives complaints which are checked by the salesman ,The complaint has **details** and the **type** of complaint(on how impotant it is), a complaint is given by a unique **compid**,the id of the customer giving the compaint is also specified and has **date** associated with it.

Whenever a salesman checks a complaint the **date** is stored so that we can check back when a complaint was checked

From the purchases made the sales is kept track of by the no of items sold for each item.

Functional Specifications

1)The supermarket starts with an initial quatity of items .

2)Form the datebase at any point we can get the quaties of each item and the quaty of items sold of aparticular item.

3)We can buy items

4)Items can be sold

5)Items can be supplied to the supermarket

6)From the database expired items can be removed

7)New customers can start purchasing bills

8)Salesmen can join and leave

9)Bills can be issued or given

10)Complaints can be processed(checked)

11)We can give a comaplaint to the database

12)Offers can be started and expired offers can be removed

SCHEMA DIAGRAM

Item:

ItemId	Name	ManfDate	ExpDate	Weight	Type	Suppld	Billno

Supplier:

SupplierId	Name	Address

Customer:

CustId	Name	PhNO	Address

Bill:

BillNo	CustId	SalsmnId	Date	Time

Salesman:

SalsmnId	Name	Sex	Address

Compliant:

CompId	Date	Type	Details	CustId

Check:

CompId	Date	SalsmnId

Offer:

ItemId	Stdate	enddate	Discount