DBMS PROJECT

Online-Market-add

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INTRODUCTION: Now a days Farmers are being at a loss because they sell their crops for less rates but when it comes to the people the rates would be very high, so here the persons in the middle are taking the profit and the farmers who grow crops are not benefited and the one who buys it at the last also not benefited. Here if we create a site so that it acts as a portal between the consumers(us) and the farmers, so that we can directly buy the crop from the farmer itself ,this would be beneficial for both who grow the crop and the one who buys it .For this we need various details of the farmers, crops they grow, consumer details , and many like this. To store all these collection of inter related data and manage these we are going to create a Database Management system in this project.
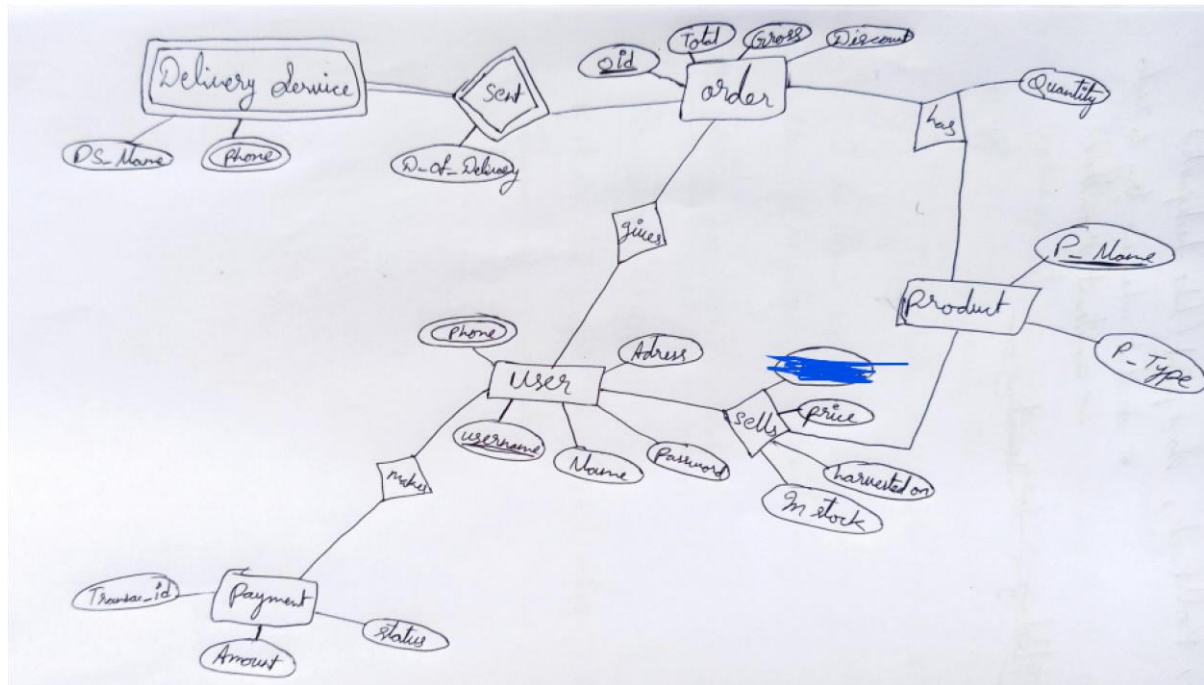
Problem statement

Design and Development of a Database for an E-commerce(farmers) where the user will be able to buy, view and select the products(crop) grown by a farmers and get them delivered to their homes. And also, the database should be able to manage all the orders, transactions made in through this

site which is normalised to maximum extent and reduce data redundancy

ER DIAGRAM

Tables after Normalization

1) customer:

Username(primary key);Password; Name;

2) customer_Phone :
   username;phone number;

3) customer_Address:
   Username;Address;

4) Delivery_details:

O_id;DS_name;Date_of_delivery; Primary key(O_id,DS_name)

5) DS_details:
   DS_name;DS_phone number;

6) Order_details:
   O_id(primary key);username(Buyer); Gross price;discount;total;

7) Order_needs:
   O_id;P_name;Quantity;username(seller)
   Primary key(O_id,P_name)

8) Payment:
   Transaction_id(primary key);
   Amount;status;username;

9) Product:
   P_name(primary key);P_type;

10) Seller_details:
    Username;P_name;Harvested_on;In_Stock;
    MRP;
    Primary key (username,P_name);

Creation of Tables

```
create table customer (username varchar(20) not null,
                       password varchar(20),
                       Name varchar(45), primary key
                       (username));


create table customer_phone (username varchar(20),
                       phone      int(5),
                       foreign key(username) references
customer(username));


create table customer_Address (username varchar(20) , pincode
                       int(3),
                       foreign key(username) references
customer(username));


create table Payment (Trans_id char(7) primary key,
                       username varchar(20), status
                       varchar(20), Amount int,
                       foreign key(username) references customer(username));

create table Product (P_name varchar(40) primary key, P_Type
                       varchar(15));


create table Seller_details (P_name varchar(40), username
                       varchar(20),
                       harvested_on_OR_before date,
                       stock_in_tons float, units
                       varchar(10), MRP_per_unit int,
                       primary key (P_name,username),
                       foreign key(P_name) references Product(P_name),
                       foreign key(username) references
customer(username));


create table Order_details (O_id char(3) primary key, username
                       varchar(20), gross_price int,
                       Discount int, Total_amount int,
                       foreign key(username) references
customer(username));
    create table Order_needs (O_id char(3),
                       P_name varchar(40),
                       Quantity double, username
```

varchar(20), primary
key(O_id,P_name),
foreign key(P_name) references Product(P_name),
foreign key(username) references
customer(username), foreign key(O_id) references Order_details(O_id));

create table DS_details (DS_name varchar(45) primary key, phone
int(3));

create table Delivery_Details (DS_name varchar(45),
O_id char(3), Date_of_delivery
date, primary
key(DS_name,O_id),
foreign key(DS_name) references
DS_details(DS_name), foreign key(O_id) references Order_details(O_id));

Insertion of Values

Customer
insert into customer values('sainithin123','*******','G Sai Nithin');
insert into customer values('nithin12','*******','Nithin'); insert into
customer values('sai456','*******','G Sai'); insert into customer
values('abcd007','*******','ABCD'); insert into customer
values('efgh006','*******','EFGH'); insert into customer
values('wxyz005','*******','WXYZ'); insert into customer
values('gsn777','*******','GSN'); insert into customer
values('thanks','*******','Thank you');

CUSTOMER_PHONE:

insert into customer_phone values('sainithin123',11111);
insert into customer_phone values('sainithin123',11110);
insert into customer_phone values('nithin12',22222); insert
into customer_phone values('sai456',33333); insert into
customer_phone values('sai456',33332); insert into
customer_phone values('sai456',33331); insert into
customer_phone values('abcd007',44442); insert into
customer_phone values('abcd007',44444); insert into
customer_phone values('efgh006',55555); insert into
customer_phone values('efgh006',55554); insert into
customer_phone values('efgh006',55551); insert into

customer_phone values('wxyz005',66666); insert into
customer_phone values('gsn777',77779); insert into
customer_phone values('gsn777',77777); insert into
customer_phone values('thanks',88888); insert into
custmer_phone values('thanks',99999);

CUSTOMER_ADDRESS
insert into customer_Address values('sainithin123',001);
insert into customer_Address values('sainithin123',002);
insert into customer_Address values('nithin12',200); insert
into customer_Address values('nithin12',100); insert into
customer_Address values('sai456',110); insert into
customer_Address values('sai456',111); insert into
customer_Address values('abcd007',444); insert into
customer_Address values('abcd007',333); insert into
customer_Address values('abcd007',222); insert into
customer_Address values('efgh006',005); insert into
customer_Address values('efgh006',004); insert into
customer_Address values('wxyz005',666); insert into
customer_Address values('gsn777',777); insert into
customer_Address values('gsn777',771); insert into
customer_Address values('thanks',999);

PAYMENT
insert into Payment values('ab00001','sainithin123','successfull',2050);
insert into Payment values('ab00002','abcd007','pending',250); insert into
Payment values('ab00003','sai456','successfull',3500); insert into Payment
values('ab00004','nithin12','failed',2750); insert into Payment
values('ab00005','wxyz005','successfull',1530); insert into Payment
values('ab00006','efgh006','successfull',5700); insert into Payment
values('ab00007','gsn777','failed',2550); insert into Payment
values('ab00008','thanks','successfull',1700);

PRODUCT
insert into Product values ('rice','grains'); insert into
Product values ('wheat','grains'); insert into Product values
('ground nut','nuts'); insert into Product values ('olive
oil','oil'); insert into Product values ('curry leaves','leafy
vegies'); insert into Product values ('apples','fruits'); insert
into Product values ('mangoes','fruits');

SELLER_DETAILS
insert into Seller_details values('rice','abcd007','2019-6-19',306.9,'kilo grams',65); insert
into Seller_details values('rice','nithin12','2020-10-2',604.8,'kilo grams',60); insert into
Seller_details values('wheat','sai456','2021-2-25',600,'kilo grams',40); insert into
Seller_details values('wheat','nithin12','2020-5-16',200,'kilo grams',46); insert into
Seller_details values('wheat','thanks','2020-11-20',454.5,'kilo grams',44);
insert into Seller_details values('ground nut','sainithin123','2021-3-28',198.6,'kilo grams',95);
insert into Seller_details values('olive oil','sainithin123','2021-1-12',201.5,'liters',195); insert
into Seller_details values('olive oil','nithin12','2020-10-21',50.7,'liters',210);

insert into Seller_details values('olive oil','abcd007','2021-2-27',101.2,'liters',199); insert into Seller_details values('apples','sainithin123','2021-6-21',10.4,'kilo grams',110); insert into Seller_details values('apples','thanks','2021-7-7',30.4,'kilo grams',140); insert into Seller_details values('curry leaves','sai456','2021-7-9',46,'bundles',42); insert into Seller_details values('mangoes','abcd007','2021-6-15',6.2,'kilo grams',60);

ORDER_DETAILS
insert into order_details values('oa1','gsn777',2450,250,2200); insert into order_details values('oa2','sai456',3150,450,2700); insert into order_details values('oa3','abcd007',450,25,425); insert into order_details values('oa4','sainithin123',6500,700,5800); insert into order_details values('oa5','gsn777',1275,120,1155); insert into order_details values('oa6','sainithin123',4500,275,4225);

ORDER_NEEDS
insert into order_needs values('oa4','ground nut',2,'sainithin123'); insert into order_needs values('oa4','apples',5,'thanks'); insert into order_needs values('oa4','rice',15,'nithin12'); insert into order_needs values('oa1','rice',10,'abcd007'); insert into order_needs values('oa1','mangoes',3.2,'abcd007'); insert into order_needs values('oa2','apples',1,'thanks'); insert into order_needs values('oa2','wheat',4.5,'sai456'); insert into order_needs values('oa2','rice',5,'nithin12'); insert into order_needs values('oa2','curry leaves',1,'sai456'); insert into order_needs values('oa3','olive oil',5,'sainithin123'); insert into order_needs values('oa5','apples',3.5,'sainithin123'); insert into order_needs values('oa3','mangoes',4,'abcd007'); insert into order_needs values('oa6','rice',20,'nithin12');

DS_DETAILS
insert into DS_details values('xyz parcel service',111); insert into DS_details values('at your service',112); insert into DS_details values('ABD shippings',113); insert into DS_details values('hello delivers',214); insert into DS_details values('abcd door delivery',215);

DELIVERY_DETAILS
insert into Delivery_Details values('xyz parcel service','oa1','2021-6-01'); insert into Delivery_Details values('at your service','oa2','2021-5-16'); insert into Delivery_Details values('at your service','oa3','2021-6-9'); insert into Delivery_Details values('xyz parcel service','oa4','2021-6-20'); insert into Delivery_Details values('abcd door delivery','oa5','2021-6-21'); insert into Delivery_Details values('ABD shippings','oa6','2021-6-29');