

DBMS PROJECT

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PROBLEM STATEMENT

Online ordering and delivery systems provide a clear sales channel for restaurants. Customers browse menu items, select what to order, place their orders and make payment through the restaurant app or website. Upon receiving the order, the restaurant prepares the food and delivers it to the specified customer location.

In this Food delivery app, we may place orders using our phones, laptops, and other devices on this food delivery software. The app will include a list of all the eateries in the city where the user is currently residing. The user has the option of selecting the restaurant from which to place his order. After selecting the restaurant, the user can decide whether he wants to order from the vegetarian or non-vegetarian categories. After picking the things he wishes to order, the user can pay via online methods such as UPI, credit/debit card, net banking, wallet, food cart, or offline methods such as cash on delivery. Following payment, the user will be given a transaction id, which he can use to trace his order. As a result, a delivery partner will be appointed.

Even before Covid sparked a surge in the online, on-demand economy, restaurants were already starting to realise the potential of a food delivery app.

Post-Covid, the demand has increased through both necessity (take away service only or restricted numbers in the restaurant) and the increasing desire to have everything at our fingertips.

A food delivery app allows both traditional restaurants and take-away only establishments to continue feeding their customers. For restaurants, the app makes up for the reduced footfall due to any pandemic-related restrictions.

7 advantages of a food delivery service app

Let's look at 7 advantages of a food delivery service app.

1. Ordering process is easy

An app is fast, easy and comfortable to use. There are no misunderstandings or frustrations as can happen with ordering over the phone. In a nutshell, your customers choose to order food through the app because it's at their fingertips.

2. Exposure to new customers

Online ordering through a food delivery app can help you reach new customers outside your regulars and locals. By enhancing your brand's online presence in the market, you can boost your sales with new and returning customers.

3. Online ordering is convenient

An app allows customers to order anytime, anywhere using their mobiles, tablets or other handheld devices. With a food delivery app, the customer can quietly place an order without the hassle of talking over the phone.

4. More business opportunities

Sometimes customers want your food but in the comfort of their own home. Whether that's due to ongoing restrictions, bad weather or simply the desire to stay home, by offering delivery you're able to serve a wider range of customers.

5. Stay ahead of the competition

The percentage of restaurants and takeaway establishments that have a food delivery app is surprisingly small. By making your restaurant available to customers at the touch of a screen immediately puts you ahead of the game.

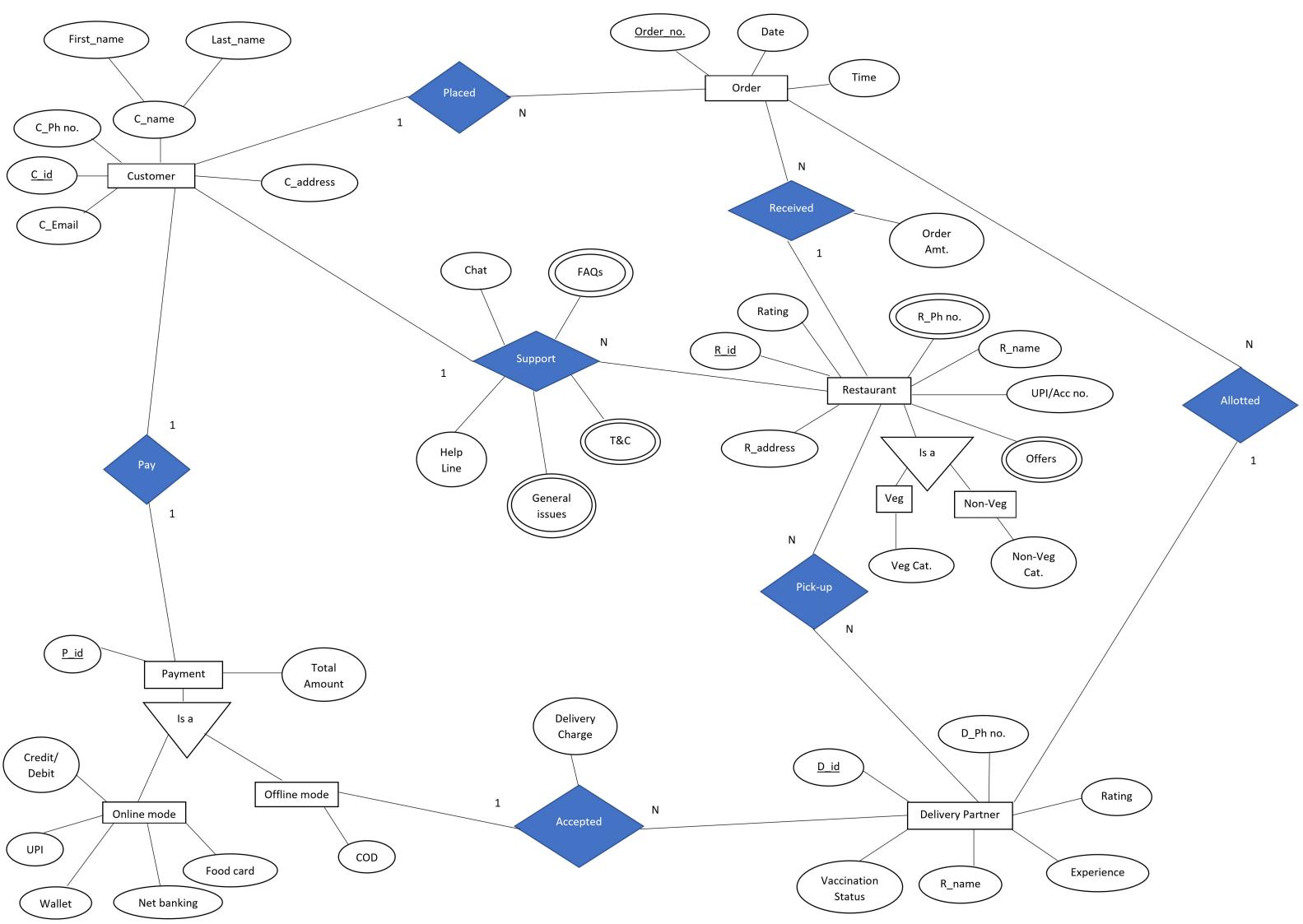
6. Greater reach

Your restaurant seating capacity may be 100 at a time, or perhaps less, but with a food delivery service app you can reach thousands of people. All you need is an integrated ordering system, and you are good to go!

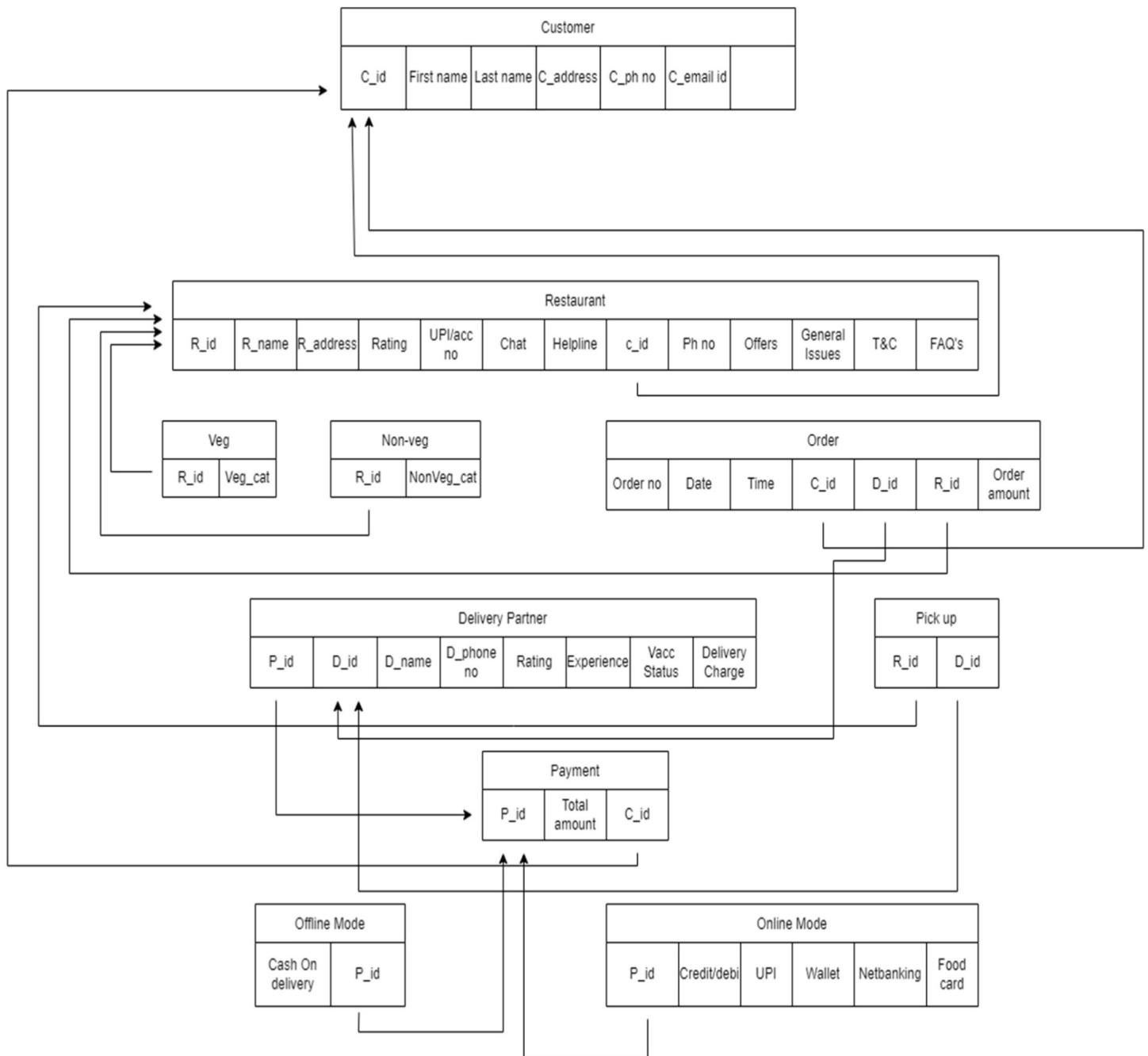
7. Better customer data

Who are your regular customers? Which food items are popular? Are they aware of your promotions and offers? These and many other related questions can be answered using analytics from your app. Once you know what your customers like, you can keep them coming back with targeted offers.

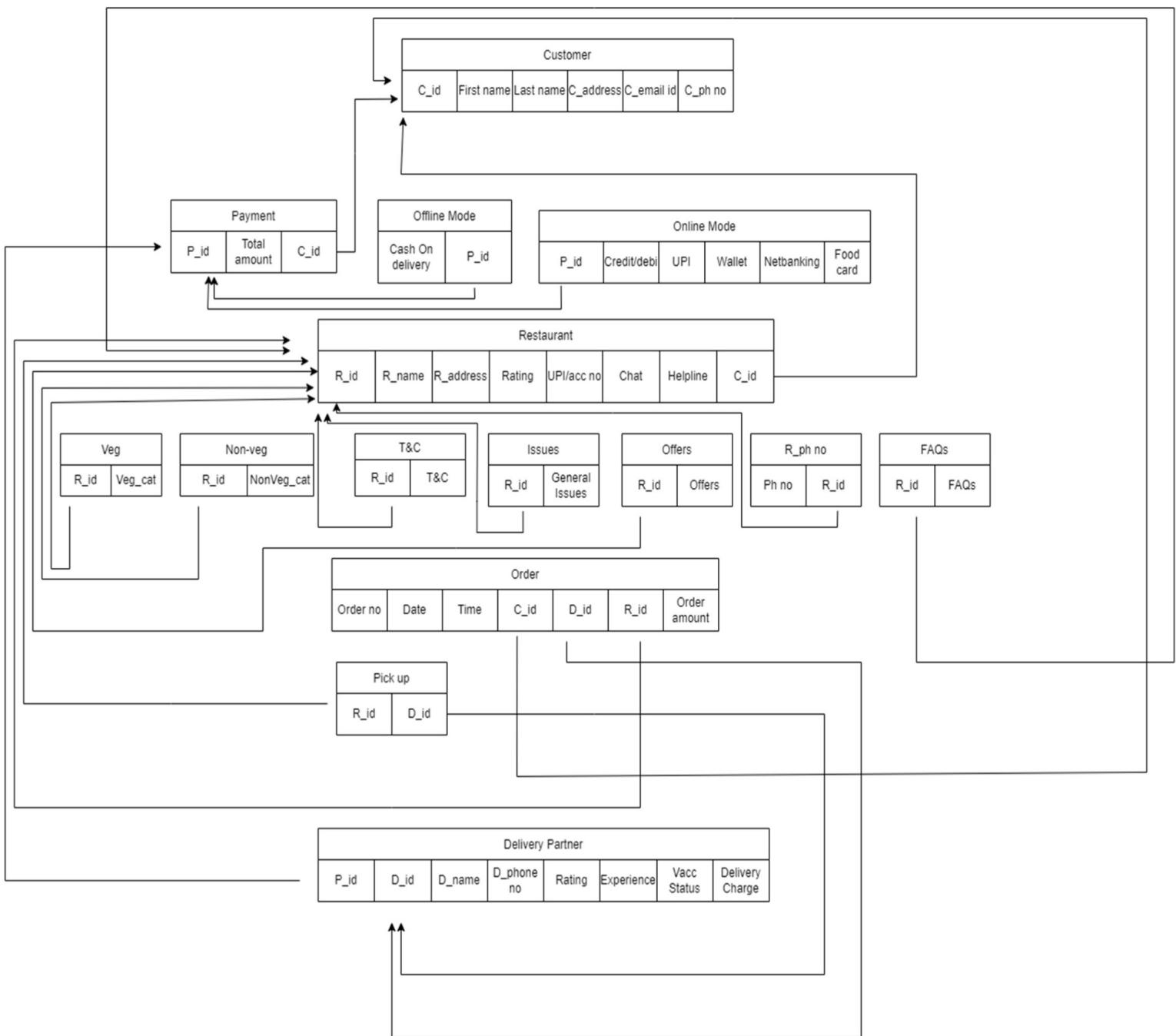
- Customers are identified by their id, names, email addresses, phone no and address.
- Each order is identified by order no, Date, time.
- Each restaurant has an id, address, phone no, name, UPI/acc no, and rating.
- In restaurant we have different menu for veg and non veg type.
- Each delivery partner has an id, a phone no, a rating, R_name and also a vaccination status.
- The payment can be made through two modes online and offline. In online mode the payment can be made through credit/debit card, UPI, wallet, net banking, food card and in offline mode there is only COD.
- For support system the options available are through chat, FAQs, helpline, general issues and T&C.
- Each customer can place more than one order.
- And restaurant can receive more than one order.
- The order can be picked from the restaurant by delivery partner. As one delivery partners can pick more than one order from restaurant and one restaurant can have more than one delivery partner.
- If the payment is to be paid in offline mode then delivery partner will be there to receive the payment from customer with that payment id.
- If customer has any doubts then he/she can contact to the restaurant through the support system available
- More than one order can be allotted for delivery to one delivery partner.
- Each customer can pay once for each order as payment id will be unique for each order.



ER TO TABLE



NORMALISATION



SQL QUERIES

```
create table customer(  
    C_id varchar(20) NOT NULL,  
    First_name varchar(20),  
    Last_name varchar(20),  
    C_address varchar(30),  
    C_phno number(10),  
    C_emailid varchar(30),  
    primary key(C_id)  
);
```

```
insert into customer values('A8373B', 'ARJUN', 'SINGLA', '121 sector-3  
Pune', 9621514217, 'arjunsingla@gmail.com');
```

```
insert into customer values('T92881', 'AYUSH', 'MAHAJAN', '72 Kenny Towers  
Bhopal', 9214188000, 'ayushmahajan01@gmail.com');
```

```
insert into customer values('H8290J', 'RIYA', 'MALHOTRA', 'Street No. 5 Model town  
Mumbai', 7415211511, 'riyamalhotra@outlook.com');
```

```
insert into customer values('JFOEO2', 'DEVANSHI', 'KALRA', '521 Octave Towers  
Noida', 7611542165, 'kalra.devanshi@gmail.com');
```

```
insert into customer values('5HFJFI', 'ABHINAV', 'VERMA', '23 sector-7  
Chandigarh', 8211542116, 'verma.abhinav04@yahoo.com');
```

```
insert into customer values('B4930N', 'VEDANT', 'MISHRA', '55 Chanderi Nagar  
Delhi', 7611511100, 'vedant111@gmail.com');
```

```
select * from customer;
```

C_ID	FIRST_NAME	LAST_NAME	C_ADDRESS	C_PHNO	C_EMAILID
A8373B	ARJUN	SINGLA	121 sector-3 Pune	9621514217	arjunsingla@gmail.com
T92881	AYUSH	MAHAJAN	72 Kenny Towers Bhopal	9214188000	ayushmahajan01@gmail.com
H8290J	RIYA	MALHOTRA	Street No. 5 Model town Mumbai	7415211511	riyamalhotra@outlook.com
JFOEO2	DEVANSHI	KALRA	521 Octave Towers Noida	7611542165	kalra.devanshi@gmail.com
5HFJFI	ABHINAV	VERMA	23 sector-7 Chandigarh	8211542116	verma.abhinav04@yahoo.com
B4930N	VEDANT	MISHRA	55 Chanderi Nagar Delhi	7611511100	vedant111@gmail.com

```

create table Restaurant(
    R_id varchar(20) NOT NULL primary key,
    R_name varchar(20),
    R_address varchar(30),
    Rating number(1),
    UPI_AccNo varchar(20),
    Chat varchar(30),
    Helpline number(10),
    C_id varchar(20) references customer(C_id)
);

```

```

insert into Restaurant values('A78191','Vatsa Food
Factory','Pune',4,'sbin8372829','0',9890056732,'A8373B');

insert into Restaurant values('57382N','Cosmi','Bhopal',3,'pj38292','0',9890056732,'T92881');

insert into Restaurant values('CNG738','Jaggi','Mumbai',3,'icici99202','Make the food a little
spicy',9890056732,'H8290J');

insert into Restaurant values('TGH112','McDonalds','Noida',5,'axis12938','Extra
ketchup',9890056732,'JFOEO2');

insert into Restaurant
values('UP34T1','Subway','Chandigarh',5,'obc155877','0',9890056732,'5HFJFI');

insert into Restaurant values('YG8292','KFC','Delhi',4,'can728291','Extra
cheese',9890056732,'B4930N');

```

```
select * from Restaurant;
```

R_ID	R_NAME	R_ADDRESS	RATING	UPI_ACCNO	CHAT	HELPLINE	C_ID
A78191	Vatsa Food Factory	Pune	4	sbin8372829	0	9890056732	A8373B
57382N	Cosmi	Bhopal	3	pj38292	0	9890056732	T92881
CNG738	Jaggi	Mumbai	3	icici99202	Make the food a little spicy	9890056732	H8290J
TGH112	McDonalds	Noida	5	axis12938	Extra ketchup	9890056732	JFOEO2
UP34T1	Subway	Chandigarh	5	obc155877	0	9890056732	5HFJFI
YG8292	KFC	Delhi	4	can728291	Extra cheese	9890056732	B4930N

```

create table Payment(
    P_id varchar(20) not null primary key,
    Total_amount number(10),
    C_id varchar(20) references customer(C_id)
);

```

```

insert into Payment values('th38392',540,'JFOEO2');

insert into Payment values('hfj595',1300,'B4930N');

insert into Payment values('lkd999',289,'5HFJFI');

insert into Payment values('mng167',476,'H8290J');

insert into Payment values('bvnf44',720,'A8373B');

insert into Payment values('cf320',1240,'T92881');

```

```
select * from Payment;
```

P_ID	TOTAL_AMOUNT	C_ID
th38392	540	JFOEO2
hfj595	1300	B4930N
lkd999	289	5HFJFI
mng167	476	H8290J
bvnf44	720	A8373B
cf320	1240	T92881

```

create table Delivery_Partner(
    D_id varchar(20) not null primary key,
    D_name varchar(30),
    D_phno number(10),
    Rating number(1),
    Experience varchar(10),
    Vaccination_status varchar(10),
    Delivery_Charge number(5),
);

```

```

P_id varchar(20) references Payment(P_id)
);

insert into Delivery_Partner values('l80291','Rajiv Kumar',9180278921,4,'10
years','Vaccinated',50,'lkd999');

insert into Delivery_Partner values('ksd891','Neeraj Singh',9982736472,5,'2
years','Vaccinated',40,'cf320');

insert into Delivery_Partner values('bbh347','Parminder Singh',7836472112,5,'3
years','Vaccinated',0,'mng167');

insert into Delivery_Partner values('cbchd1','Pritam Sharma',8846752133,3,'1
years','Vaccinated',20,'hfj595');

insert into Delivery_Partner values('nnjs1929','Arun Verma',9098771345,4,'4
years','Vaccinated',25,'bvnf44');

insert into Delivery_Partner values('345ggh2','Divya Ghosla',7890192743,5,'6
years','Vaccinated',47,'th38392');

```

select * from Delivery_Partner;

D_ID	D_NAME	D_PHNO	RATING	EXPERIENCE	VACCINATION_STATUS	DELIVERY_CHARGE	P_ID
180291	Rajiv Kumar	9180278921	4	10 years	Vaccinated	50	lkd999
ksd891	Neeraj Singh	9982736472	5	2 years	Vaccinated	40	cf320
bbh347	Parminder Singh	7836472112	5	3 years	Vaccinated	0	mng167
cbchd1	Pritam Sharma	8846752133	3	1 years	Vaccinated	20	hfj595
nnjs1929	Arun Verma	9098771345	4	4 years	Vaccinated	25	bvnf44
345ggh2	Divya Ghosla	7890192743	5	6 years	Vaccinated	47	th38392

```

create table Order_info(
    Order_no varchar(20) not null primary key,
    order_date date,
    order_time date,
    Order_amount number(10),
    C_id varchar(20) references customer(C_id),
    D_id varchar(20) references Delivery_Partner(D_id),
    R_id varchar(20) references Restaurant(R_id)
);

```

```

insert into Order_info values('1558','07-feb-2022',to_date('11:20','hh24:mi'),'510','A8373B','l80291','A78191');

insert into Order_info values('486','09-feb-2022',to_date('14:30','hh24:mi'),'1260','T92881','ksd891','57382N');

insert into Order_info values('45821','04-mar-2022',to_date('16:05','hh24:mi'),'289','H8290J','bbh347','CNG738');

insert into Order_info values('784','07-march2022',to_date('10:12','hh24:mi'),'456','JFOEO2','cbchd1','TGH112');

insert into Order_info values('123','24-apr-2022',to_date('19:10','hh24:mi'),'695','5HFJFI','nnjs1929','UP34T1');

insert into Order_info values('741','20-may-2022',to_date('13:45','hh24:mi'),'1193','B4930N','345ggh2','YG8292');

```

```
select *from Order_info;
```

ORDER_NO	ORDER_DATE	ORDER_TIME	ORDER_AMOUNT	C_ID	D_ID	R_ID
1558	07-FEB-22	01-MAY-22	510	A8373B	l80291	A78191
486	09-FEB-22	01-MAY-22	1260	T92881	ksd891	57382N
45821	04-MAR-22	01-MAY-22	289	H8290J	bbh347	CNG738
784	07-MAR-22	01-MAY-22	456	JFOEO2	cbchd1	TGH112
123	24-APR-22	01-MAY-22	695	5HFJFI	nnjs1929	UP34T1
741	20-MAY-22	01-MAY-22	1193	B4930N	345ggh2	YG8292

```

create table Veg(
    R_id varchar(20) references Restaurant(R_id),
    Veg_categories varchar(20)
);

```

```

insert into Veg values('A78191','Paneer Pizza');

insert into Veg values('CNG738','Veg Biryani');

insert into Veg values('TGH112','French Fries');

insert into Veg values('57382N','Cake, IceCream');

```

```
select * from Veg;
```

R_ID	VEG_CATEGORIES
A78191	Paneer Pizza
CNG738	Veg Biryani
TGH112	French Fries
57382N	Cake, IceCream

```

create table NonVeg(
    R_id varchar(20) references Restaurant(R_id),
    NonVeg_categories varchar(20)
);

```

```

insert into NonVeg values('TGH112','Maharaja Mac');

insert into NonVeg values('UP34T1','Chicken Teriyaki');

insert into NonVeg values('YG8292','Tandoori Burger');

```

```
select * from NonVeg;
```

R_ID	NONVEG_CATEGORIES
TGH112	Maharaja Mac
UP34T1	Chicken Teriyaki
YG8292	Tandoori Burger

```
create table R_phno(
    R_id varchar(20) references Restaurant(R_id),
    PhoneNo number(10)
);
```

```
create table Offers(
    R_id varchar(20) references Restaurant(R_id),
    Offers varchar(30)
);
```

```
create table FAQs(
    R_id varchar(20) references Restaurant(R_id),
    FAQs varchar(40)
);
```

```
create table Issues(
    R_id varchar(20) references Restaurant(R_id),
    General_issues varchar(40)
);
```

```
create table T_C(
    R_id varchar(20) references Restaurant(R_id),
    T_C varchar(40)
);
```

```
create table PickUp(
    R_id varchar(20) references Restaurant(R_id),
    D_id varchar(20) references Delivery_Partner(D_id)
);
```

```

create table OnlineMode(
    P_id varchar(20) references Payment(P_id),
    Credit_Debit number(1),
    UPI number(1),
    Wallet number(1),
    Netbanking number(1),
    Food_Card number(1)
);

```

```

create table OfflineMode(
    P_id varchar(20) references Payment(P_id),
    CashOnDelivery number(1)
);

```

```
select First_name,Last_name,C_emailid from customer where First_name like 'A%';
```

FIRST_NAME	LAST_NAME	C_EMAILID
ARJUN	SINGLA	arjunsingla@gmail.com
AYUSH	MAHAJAN	ayushmahajan01@gmail.com
ABHINAV	VERMA	verma.abhinav04@yahoo.com

```
select chat from Restaurant where R_address='Mumbai';
```

CHAT
Make the food a little spicy

Update Delivery_Partner SET D_name= 'Vansh Oberoi' where D_id='345ggh2';

Select* from Delivery_Partner;

D_ID	D_NAME	D_PHNO	RATING	EXPERIENCE	VACCINATION_STATUS	DELIVERY_CHARGE	P_ID
180291	Rajiv Kumar	9180278921	4	10 years	Vaccinated	50	lkd999
ksd891	Neeraj Singh	9982736472	5	2 years	Vaccinated	40	cf320
bbh347	Parminder Singh	7836472112	5	3 years	Vaccinated	0	mng167
cbchd1	Pritam Sharma	8846752133	3	1 years	Vaccinated	20	hfj595
nnjs1929	Arun Verma	9098771345	4	4 years	Vaccinated	25	bvnf44
345ggh2	Vansh Oberoi	7890192743	5	6 years	Vaccinated	47	th38392

Alter TABLE Customer add city varchar(30);

Update Customer SET city= 'Pune' where C_id='A8373B';

Update Customer SET city= 'Bhopal' where C_id='T92881';

Update Customer SET city= 'Mumbai' where C_id='H8290J';

Update Customer SET city= 'Noida' where C_id='JFOEO2';

Update Customer SET city= 'Chandigarh' where C_id='5HFJFI';

Update Customer SET city= 'Delhi' where C_id='B4930N';

Select* from Customer;

C_ID	FIRST_NAME	LAST_NAME	C_ADDRESS		C_PHNO	C_EMAILID	CITY
A8373B	ARJUN	SINGLA	121 sector-3	Pune	9621514217	arjunsingla@gmail.com	Pune
T92881	AYUSH	MAHAJAN	72 Kenny Towers	Bhopal	9214188000	ayushmahajan01@gmail.com	Bhopal
H8290J	RIYA	MALHOTRA	Street No. 5 Model town	Mumbai	7415211511	riyamalhotra@outlook.com	Mumbai
JFOEO2	DEVANSHI	KALRA	521 Octave Towers	Noida	7611542165	kalra.devanshi@gmail.com	Noida
5HFJFI	ABHINAV	VERMA	23 sector-7	Chandigarh	8211542116	verma.abhinav04@yahoo.com	Chandigarh
B4930N	VEDANT	MISHRA	55 Chanderi Nagar	Delhi	7611511100	vedant111@gmail.com	Delhi

select P_id,C_id from Payment where Total_amount <=1000;

P_ID	C_ID
th38392	JFOEO2
1kd999	5HFJFI
mng167	H8290J
bvnf44	A8373B

insert into Restaurant values('GUJ855','KFC','Pune',4,'can82356','Barbeque Sauce',9890056732,'A8373B');

insert into Restaurant values('UYRW78','Havmor','Pune',3,'axs728287','0',9890056732,'A8373B');

insert into Restaurant values('MP34YT','Zero Degrees','Chandigarh',4,'sbin12291','0',9890056732,'5HFJFI');

insert into Restaurant values('CH34H1','Vern Club','Chandigarh',4,'can585291','0',9890056732,'5HFJFI');

insert into Restaurant values('SER74T1','Food Masterz','Chandigarh',4,'icici72191','0',9890056732,'5HFJFI');

Select* from Restaurant;

R_ID	R_NAME	R_ADDRESS	RATING	UPI_ACCNO	CHAT	HELPLINE	C_ID
A78191	Vatsa Food Factory	Pune	4	sbin8372829	0	9890056732	A8373B
57382N	Cosmi	Bhopal	3	pjb38292	0	9890056732	T92881
CNG738	Jaggi	Mumbai	3	icici99202	Make the food a little spicy	9890056732	H8290J
TGH112	McDonalds	Noida	5	axis12938	Extra ketchup	9890056732	JFOEO2
UP34T1	Subway	Chandigarh	5	obc155877	0	9890056732	5HFJFI
YG8292	KFC	Delhi	4	can728291	Extra cheese	9890056732	B4930N
GUJ855	KFC	Pune	4	can82356	Barbeque Sauce	9890056732	A8373B
UYRW78	Havmor	Pune	3	axs728287	0	9890056732	A8373B
MP34YT	Zero Degrees	Chandigarh	4	sbin12291	0	9890056732	5HFJFI
CH34H1	Vern Club	Chandigarh	4	can585291	0	9890056732	5HFJFI
SER74T1	Food Masterz	Chandigarh	4	icici72191	0	9890056732	5HFJFI

Select R_address,count(*) from Restaurant group by R_address;

R_ADDRESS	COUNT(*)
Pune	3
Delhi	1
Bhopal	1
Mumbai	1
Noida	1
Chandigarh	4

Select C_id,First_name,Last_name from customer order by First_name,Last_name;

C_ID	FIRST_NAME	LAST_NAME
SHFJFI	ABHINAV	VERMA
A8373B	ARJUN	SINGLA
T92881	AYUSH	MAHAJAN
JFOE02	DEVANSHI	KALRA
H8290J	RIYA	MALHOTRA
B4930N	VEDANT	MISHRA

PL/SQL

```
begin  
dbms_output.put_line('Welcome to the PL/SQL part of the project');  
end;
```

```
Statement processed.  
Welcome to the PL/SQL part of the project
```

Ques :update first name of customer where c_id= A8473B and also if updation is not done then print it

```
begin  
update customer set first_name='ram' where c_id='A8473B';  
if sql%notfound then  
dbms_output.put_line('updation is not performed');  
end if;  
end;
```

```
Statement processed.  
updation is not performed
```

Ques:delete order_info where order_no=1558 and also print the number of rows deleted

```
declare  
n number;  
begin  
delete Order_info where Order_no='123';  
n:=sql%rowcount;
```

```
dbms_output.put_line('total numbers of records deleted ' || n);
end;
```

```
Statement processed.
total numbers of records deleted 1
```

Ques: to display the total amount with given payment id

```
declare
s number(5);
begin
select Total_amount into s from payment where P_id= 'hfj595';
dbms_output.put_line('total amount with payment id is '|| s);
end;
```

```
Statement processed.
total amount with payment id is 1300
```

Ques: to display the customer phone number ,email id with c_id=5HFJFI and see if data exist for that c_id if available display else display no data found

```
declare
n customer.C_phno%type;
m customer.C_emailid%type;

c varchar(10);
begin
c:='5HFJFI';
select C_phno,C_emailid into n,m from customer where C_id='c';
```

```
dbms_output.put_line('phone no is ' || n);
dbms_output.put_line('email id is ' || m);
exception
when no_data_found then
dbms_output.put_line('There is no record for C_id '||c);
end;
```

```
Statement processed.
There is no record for C_id 5HFJFI
```

Ques: declare an exception and solve the problem of value larger than the range

```
declare
large_value exception;
pragma exception_init(large_value,-01438);
begin
insert into Payment values('sgy5767g',786267575735,'gsv56');
exception
when large_value then
dbms_output.put_line('value is large than range');
end;
```

```
Statement processed.
value is large than range
```

Ques: declaring own exception handeling to handle exception of value out of range

```
declare
own_handle exception;
pragma exception_init(own_handle,-01438);
```

```
begin
insert into Payment values('tsgy1g',786267575735,'gsv56');
exception
when own_handle then
dbms_output.put_line('value is large than range usinf own handle');
end;
```

```
/
Statement processed.
value is large than range using own handle
```

Ques:using cursor display the restaurent id,restaurent namr,rating

```
declare
cursor c is select R_id,R_name,Rating from Restaurant ;
i Restaurant.R_id%type;
n Restaurant.R_name%type;
a Restaurant.Rating%type;
```

```
begin
open c;
loop
fetch c into i,n,a;
exit when c%NOTFOUND;
dbms_output.put_line(i ||' '|| n ||' '|| a);
end loop;
close c;
end;
```

```
Statement processed.  
A78191 Vatsa Food Factory 4  
57382N Cosmi 3  
CNG738 Jaggi 3  
TGH112 McDonalds 5  
UP34T1 Subway 5  
YG8292 KFC 4
```

Ques: create the trigger to convert first and last name of customer from lower to upper case

```
create or replace trigger customer_upper  
before insert or update of First_name,Last_name  
on customer  
for each row  
begin  
:new.First_name :=upper(:new.First_name);  
:new.Last_name :=upper(:new.Last_name);  
end;
```

```
Trigger created.
```

Ques: using trigger convert the first and last name of customer from lower to upper case

```
create or replace trigger customer_upper  
before insert or update of First_name,Last_name  
on customer  
for each row  
begin  
:new.First_name :=upper(:new.First_name);  
:new.Last_name :=upper(:new.Last_name);
```

```
end;
```

```
insert into customer values('Kh8373B', 'divyansh','SINGLA','127 sector-10  
Pune',9921514217,'dsingla@gmail.com');
```

```
select*from customer;
```

C_ID	FIRST_NAME	LAST_NAME	C_ADDRESS	C_PHNO	C_EMAILID
Kh8373B	DIVYANSH	SINGLA	127 sector-10 Pune	9921514217	dsingla@gmail.com
A8373B	ARJUN	SINGLA	121 sector-3 Pune	9621514217	arjunsingla@gmail.com
T92881	AYUSH	MAHajan	72 Kenny Towers Bhopal	9214188000	ayushmahajan01@gmail.com
H8290J	RIYA	MALHOTRA	Street No. 5 Model town Mumbai	7415211511	riyamalhotra@outlook.com
JFOEO2	DEVANSHI	KALRA	521 Octave Towers Noida	7611542165	kalra.devanshi@gmail.com
5HFJFI	ABHINAV	VERMA	23 sector-7 Chandigarh	8211542116	verma.abhinav04@yahoo.com
B4930N	VEDANT	MISHRA	55 Chanderi Nagar Delhi	7611511100	vedant111@gmail.com

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7 rows selected.

Ques: using trigger convert the first and last name of customer from lower to upper case and also use update command to update value and see the output in upper case

```
create or replace trigger customer_upper
```

```
before insert or update of First_name,Last_name
```

```
on customer
```

```
for each row
```

```
begin
```

```
:new.First_name :=upper(:new.First_name);
```

```
:new.Last_name :=upper(:new.Last_name);
```

```
end;
```

```
insert into customer values('Kh8373B', 'divyansh','SINGLA','127 sector-10  
Pune',9921514217,'dsingla@gmail.com');
```

```
update customer set First_name='Rajvinder',Last_name='Singh' where c_id='Kh8373B';
```

```
select*from customer;
```

C_ID	FIRST_NAME	LAST_NAME	C_ADDRESS	C_PHNO	C_EMAILID
A8373B	ARJUN	SINGLA	121 sector-3 Pune	9621514217	arjunsingla@gmail.com
T92881	AYUSH	MAHAJAN	72 Kenny Towers Bhopal	9214188000	ayushmahajan01@gmail.com
H8290J	RIYA	MALHOTRA	Street No. 5 Model town Mumbai	7415211511	riyamalhotra@outlook.com
JFOE02	DEVANSHI	KALRA	521 Octave Towers Noida	7611542165	kalra.devanshi@gmail.com
5HFJFI	ABHINAV	VERMA	23 sector-7 Chandigarh	8211542116	verma.abhinav04@yahoo.com
B4930N	VEDANT	MISHRA	55 Chanderi Nagar Delhi	7611511100	vedant111@gmail.com
Kh8373B	RAJVINDER	SINGH	127 sector-10 Pune	9921514217	dsingla@gmail.com

[Download CSV](#)

7 rows selected.

Ques: using trigger show the old as well as the new which is the updated value of the delivery_partner table

```

create or replace trigger delivery_partner_update
after update of D_name,Experience
on delivery_partner
for each row
begin
dbms_output.put_line('old name and experience of delivery partner ' ||:old.D_name || '
'||:old.Experience);

dbms_output.put_line('new name and experience of delivery partner ' ||:new.D_name|| '
'||:new.Experience);

end;
select*from delivery_partner;
update delivery_partner set D_name='Mayank',Experience='5 years' where D_id='nnjs1929';

```

```

1 row(s) updated.
old name and experience of delivery partner Mayank 5 years
new name and experience of delivery partner Mayank 5 years

```

Ques: using trigger with raisinf application error perform any operation

```
create or replace trigger order_info_SUNDAY
before insert or update or delete
on order_info
declare
day char(20);
begin
day:=trim(to_char(sysdate,'day'));
dbms_output.put_line('today the day is '|| day);
if day='Sunday' then
raise_application_error(-20022,'no order can be placed as restaurent is closed on sunday');
end if;
end;
insert into Order_info values('771','18-may-
2022,to_date('13:45','hh24:mi'),'1093','B4930N','345ggh2','YG8292');
```

```
1 row(s) inserted.
today the day is tuesday
```