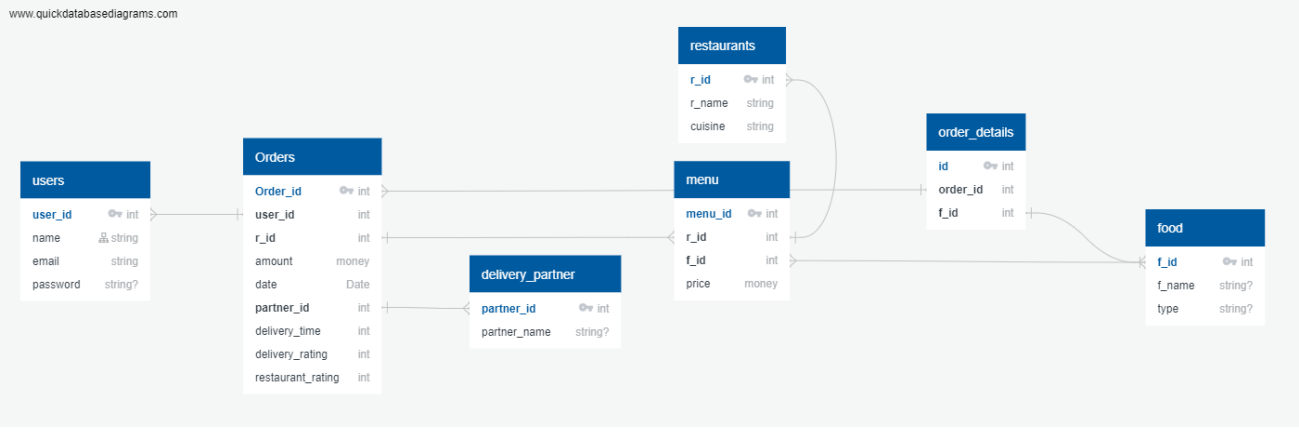
zomato

CASE STUDY USING SQL

DATASET USED

SCHEMA

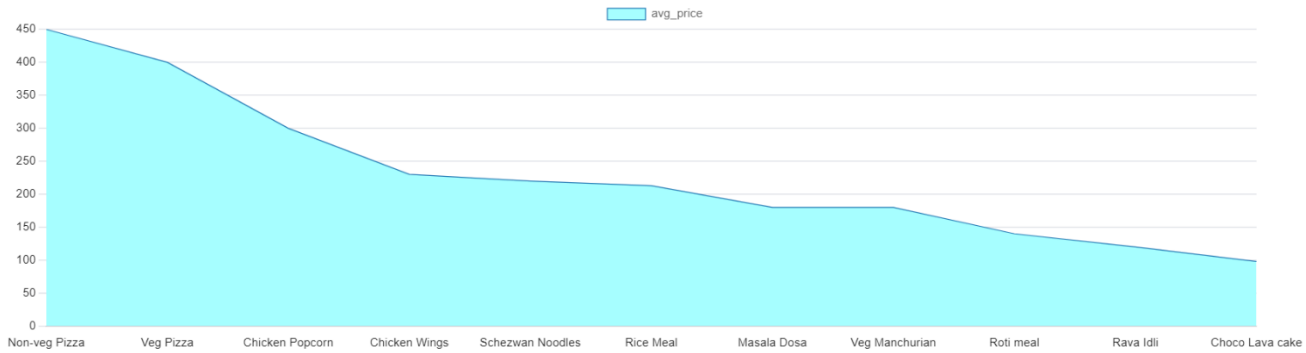


Query 1:- Find customers who have never ordered. Marketing manager needs name and email of those customer to send discounts offers. so that we can increase our orders.

```
select name, email from users
where user_id not in (
select user_id from orders
)
```

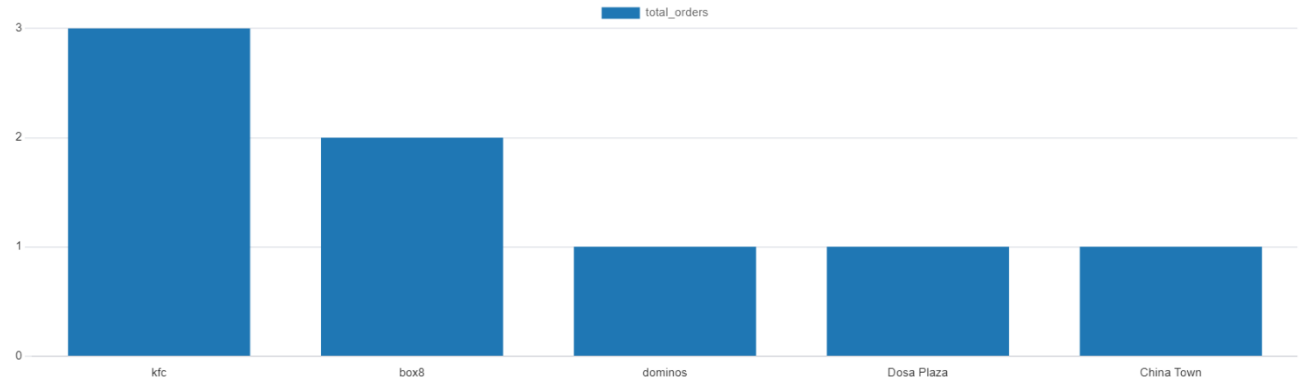
Query 2:- Stakeholders wants to know Average Price/dish.

```
select food.f_name, round(avg(menu.price)) as avg_price from food
join menu on menu.f_id = food.f_id
group by food.f_id
order by avg_price desc
```



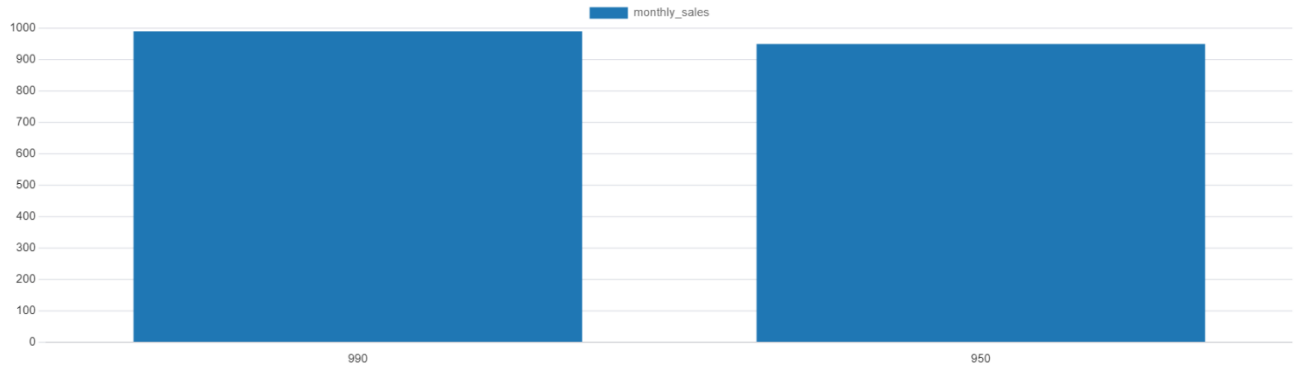
Query 3:- Find the top 5 restaurants in terms of the number of orders in june.

```
select orders.r_id, restaurants.r_name , count(*) as total_orders from orders
join restaurants on restaurants.r_id = orders.r_id
where TO_CHAR(orders.date, 'Month') like 'June%'
group by orders.r_id, restaurants.r_name
order by total_orders desc
limit 5
```



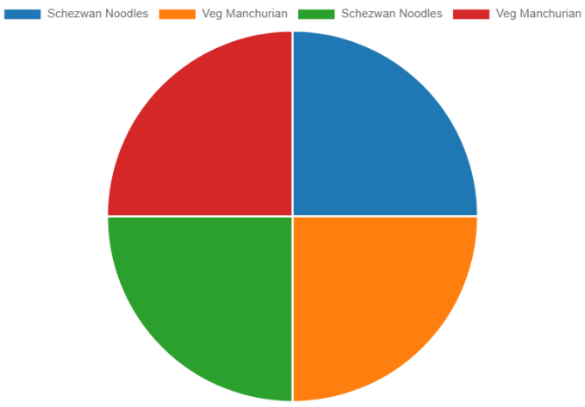
Query 4:- Restaurants with monthly sales greater than x. X can be any number.

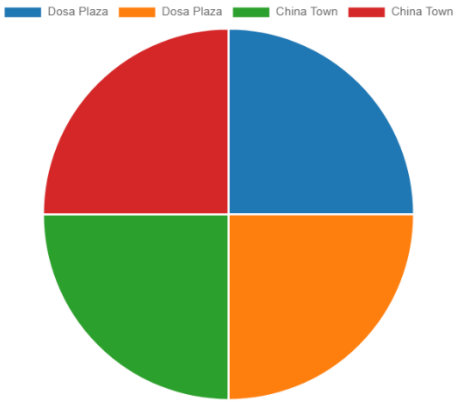
```
select o.r_id, r.r_name, sum(o.amount) as Monthly_sales from orders as o
join restaurants as r on r.r_id = o.r_id
where TO_CHAR(o.date, 'Month') like 'June%'
group by 1,2
having sum(o.amount) > 500
order by 3 desc
```



Query 5:- Show all orders with order details for a particular customer in a particular date range.

```
select u.user_id, u.name, o.order_id, o.amount, r.r_name, f.f_name from users as u
join orders as o on u.user_id = o.user_id
join restaurants as r on r.r_id = o.r_id
join order_details as od on od.order_id = o.order_id
join food as f on f.f_id = od.f_id
Where u.name like 'Ankit%' and date between '2022-06-10' and '2022-07-10'
```

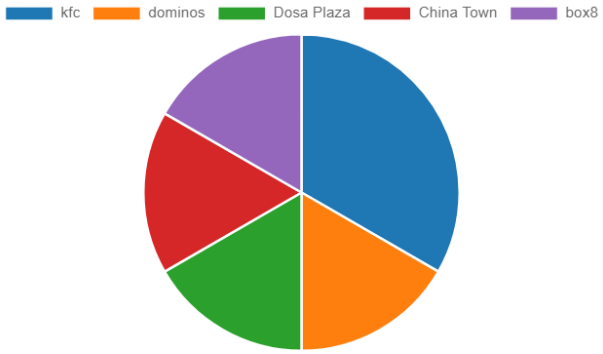




Query 6:- Find restaurants with max repeated customers.

```
with temp_cte as (
select u.name, count(o.order_id) as total_orders, r.r_name
from users as u
join orders as o on o.user_id = u.user_id
join restaurants as r on r.r_id = o.r_id
group by u.name, r.r_name
having count(o.order_id) >1
order by 1 desc
)

select r_name, count(total_orders) from temp_cte
```

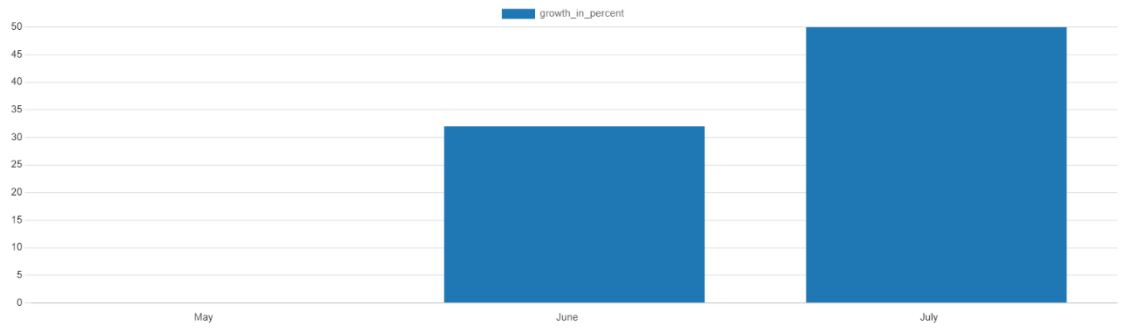


```
group by r_name
order by count(total_orders) desc
```

Query 7:- Month over month revenue growth of all restaurants on Zomato.

```
With growth_cte as (
        select TO_CHAR(date, 'Month') as Month, Extract(Month from date) ,
        sum(amount) as curr ,
        Lag(sum(amount), 1) OVER( ORDER BY sum(amount)) AS prev from orders
        group by 1,2
        order by Extract(Month from date)
)

select month, ((curr-prev)*100)/prev as growth_in_percent from growth_cte
```



Query 8:- Favorite food of customers.

```
WITH fav_cte as(
        select u.name as name, f.f_name as fav_food, count(*) as no_orders, RANK() over(
        partition by u.name order by count(*) desc) as rowno from users as u
        join orders as o on o.user_id = u.user_id
        join order_details as od on od.order_id = o.order_id
```

```
        join food as f on f.f_id = od.f_id
        group by 1,2
)

select name, fav_food from fav_cte
where rowno = 1
```

	name character varying (40)	fav_food character varying (30)
1	Ankit	Schezwan Noodles
2	Ankit	Veg Manchurian
3	Khushboo	Choco Lava cake
4	Neha	Choco Lava cake
5	Nitish	Choco Lava cake
6	Vartika	Chicken Wings

Query 9:- Top 5 Most Paired Food items.

```
select f.f_name, count(od.order_id) as paired_times from order_details as od
join food as f on f.f_id = od.f_id
where od.order_id in ( select order_id from order_details
                       group by 1
                       having count(f_id)>1
                       order by 1
        )
group by 1
order by 2 desc
Limit 5
```