

CHAICHOLOGY SHOP SQL ANALYSIS

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Table

Ratings Table

rating_id	shop_id	customer_name	rating	review
1	1	Amit Sharma	4.5	Great chai, loved the flavors!
2	1	Sneha Patel	4.8	Excellent service and cozy ambiance.
3	2	Rahul Verma	4.2	Nice variety of tea and snacks.
4	3	Priya Singh	4.6	Loved the Bun Maska with chai.
5	4	Kunal Das	4.9	Best Masala Chai in town!
6	4	Anjali Mehta	4.3	Samosas were crispy and delicious.
7	3	Rohan Joshi	4.7	Kulhad Chai was amazing!
8	2	Pooja Nair	4.5	Great place to relax with friends.
9	1	Aditya Kapoor	4.1	Nice selection, but a bit pricey.
10	3	Vikram Reddy	4.4	Friendly staff and great ambiance.
11	4	Sanya Malhotra	4.5	Best tea experience so far.
12	2	Manoj Kumar	4.7	Authentic and refreshing tea options.
13	1	Rajesh Iyer	4.2	Quick service and good snacks.
14	3	Neha Thakur	4.6	Kulhad Chai had a unique taste.
15	4	Arjun Mishra	4.3	Samosas were a bit oily, but tasty.
16	1	Divya Sharma	4.9	Loved the Ginger Tea!
17	2	Vishal Gupta	4.0	Decent selection, could improve seating.
18	3	Meera Kapoor	4.8	Gulab Jamun was heavenly!
19	4	Tarun Saxena	4.6	Nice tea shop, good vibes.
20	1	Simran Kaur	4.7	Perfect for evening tea breaks.

Sales Table

sale_id	shop_id	item_id	quantity	transaction_date
1	1	1	10	2025-03-01
2	1	2	5	2025-03-02
3	2	3	12	2025-03-02
4	3	4	6	2025-03-03
5	4	5	8	2025-03-04
6	1	6	15	2025-03-05
7	3	2	7	2025-03-05
8	2	4	10	2025-03-06
9	4	3	9	2025-03-07
10	1	5	6	2025-03-08

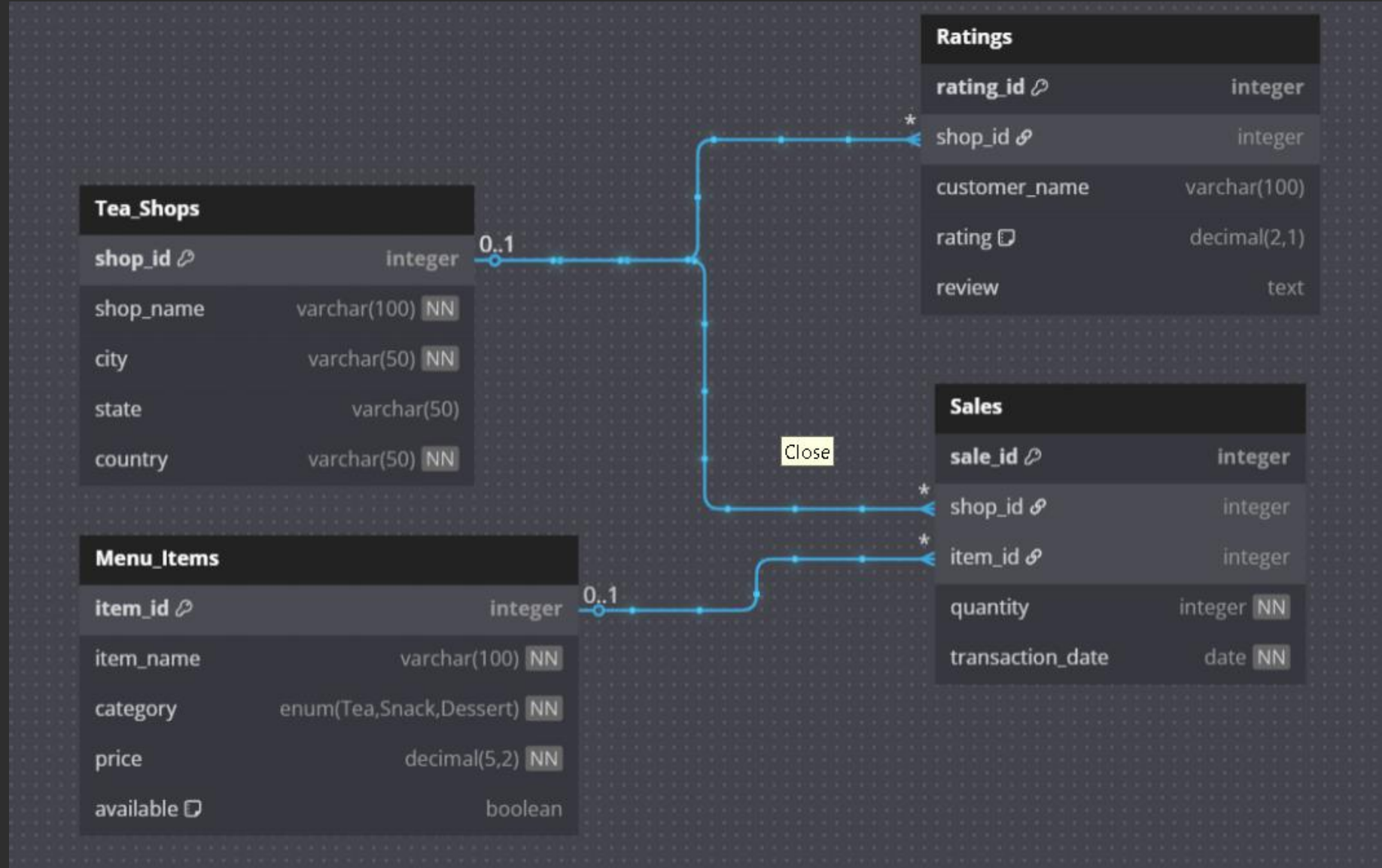
Tea Shops Table

shop_id	shop_name	city	state	country
1	Chaichology	Mumbai	Maharashtra	India
2	Chaichology	Delhi	Delhi	India
3	Chaichology	Bangalore	Karnataka	India
4	Chaichology	Chennai	Tamil Nadu	India

Menu Items Table

item_id	item_name	category	price	available
1	Masala Chai	Tea	30.00	TRUE
2	Ginger Tea	Tea	35.00	TRUE
3	Samosa	Snack	20.00	TRUE
4	Bun Maska	Snack	25.00	TRUE
5	Gulab Jamun	Dessert	40.00	TRUE
6	Kulhad Chai	Tea	50.00	TRUE

ENTITY RELATIONSHIP DIAGRAM



Q1 Lists all tea shop details ?

```
select *from Tea_Shops;
```

Results		Messages				
	shop_id	shop_name	city	state	country	
1	1	Chaichology	Mumbai	Maharashtra	India	
2	2	Chaichology	Delhi	Delhi	India	
3	3	Chaichology	Bangalore	Karnataka	India	
4	4	Chaichology	Chennai	Tamil Nadu	India	

Q2 Find Menu Items Available in the Shop ?

```
-- Q2 Find Menu Items Available in the Shop ?
```

```
select distinct item_name from Menu_Items;
```

	item_name
1	Bun Maska
2	Ginger Tea
3	Gulab Jamun
4	Kulhad Chai
5	Masala Chai
6	Samosa

```
-- Q3 Find the Total Number of Orders for Each Menu Item ?
select item_name, count(*) as total_orders from Menu_Items as m
join Sales as s
on m.item_id=s.item_id
group by item_name
order by total_orders desc;
```

	item_name	total_orders
1	Bun Maska	2
2	Ginger Tea	2
3	Gulab Jamun	2
4	Samosa	2
5	Kulhad Chai	1
6	Masala Chai	1

```
-- Q4 Find the Total Revenue Generated by Each Shop in different Locations ?
select ts.shop_name,city,sum(price*quantity) as Revenue from Tea_Shops as ts
join Sales as s
on ts.shop_id=s.shop_id
join Menu_Items as mi
on s.item_id=mi.item_id
group by ts.shop_name, city
order by Revenue desc;
```

 Results  Messages

	shop_name	city	Revenue
1	Chaichology	Mumbai	1465.00
2	Chaichology	Chennai	500.00
3	Chaichology	Delhi	490.00
4	Chaichology	Bangalore	395.00

-- Q5 Find the Best-Selling Item ?

```
select top 1 item_name from (  
  select item_name, sum(s.quantity) as total_orders from Menu_Items as m  
  join Sales as s  
  on m.item_id=s.item_id  
  group by item_name) a  
order by total_orders desc;
```

	item_name
1	Samosa


```
-- Q6 Count the Total Number of Ratings for Each city ?  
select city, count(rating) as total_rating from Tea_Shops as s  
join Ratings as r  
on s.shop_id=r.shop_id  
group by city  
order by total_rating desc;
```

	city	total_rating
1	Mumbai	6
2	Bangalore	5
3	Chennai	5
4	Delhi	4

```
-- Q7 List All Shops with an Average Rating Above 4.5 ?
select s.shop_id,s.shop_name,city,avg(rating) as total_rating from Tea_Shops as s
join Ratings as r
on s.shop_id=r.shop_id
group by s.shop_id,s.shop_name,city|
having avg(rating)>4.5
```

Results Messages

	shop_id	shop_name	city	total_rating
1	1	Chaichology	Mumbai	4.533333
2	3	Chaichology	Bangalore	4.620000
3	4	Chaichology	Chennai	4.520000

```
-- Q8 Find reviews where customers used the word "amazing" for a shop in Bangalore ?
select customer_name,review from Tea_Shops as s
join Ratings as r
on s.shop_id=r.shop_id
where review like '%amazing%' and city='Bangalore'
```

	customer_name	review
1	Rohan Joshi	Kulhad Chai was amazing!

```
-- Q9 Find the names of customers who had Masala Chai and identify the tea shop where they consumed it ?
```

```
select customer_name,city from Tea_Shops as s  
join Ratings as r  
on s.shop_id=r.shop_id  
join sales as ss  
on r.shop_id=ss.shop_id  
join Menu_Items as mi  
on mi.item_id=ss.item_id  
where item_name='Masala Chai';
```

	customer_name	city
1	Amit Sharma	Mumbai
2	Sneha Patel	Mumbai
3	Aditya Kapoor	Mumbai
4	Rajesh Iyer	Mumbai
5	Diya Sharma	Mumbai
6	Simran Kaur	Mumbai

```
-- Q10 Find the day with the most sales ?
```

```
= select top 1 DATENAME(WEEKDAY,transaction_date) as day  
,sum(price*quantity) as Total_sales from Menu_Items as mi  
join sales as s  
on mi.item_id=s.item_id  
group by DATENAME(WEEKDAY,transaction_date)  
order by Total_sales desc;
```

Results Messages

	day	Total_sales
1	Wednesday	995.00