



SWIGGY

CASE STUDY

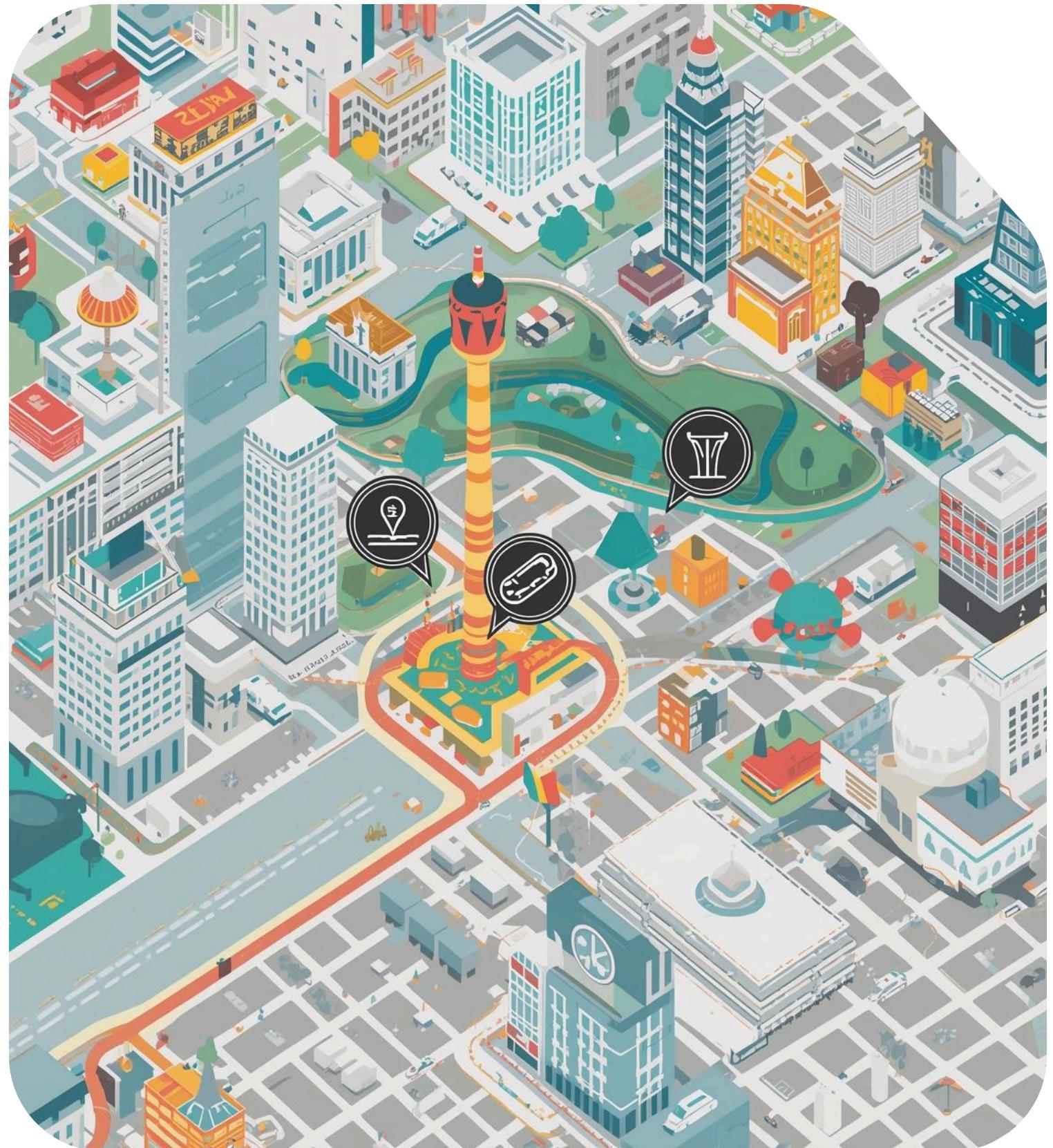


Presented by
Kanishk Shrivastava

Swiggy's Business Model

Connecting Restaurants and Customers

Swiggy enhances the food delivery experience by **efficiently connecting** local eateries with customers, utilizing advanced technology to optimize delivery routes and ensure timely meals.



Online Delivery

The **food delivery market** has seen exponential growth in recent years. With the rise of smartphone usage and changing consumer preferences, more people are opting for the convenience of ordering meals online. This trend reflects a broader shift towards instant gratification in dining experiences.





3 million

Daily orders processed



200,000+

Active partner restaurants



95%

Customer satisfaction rate

“Swiggy Data Insights using SQL – Advanced SQL Queries with Complex Joins”



A vibrant orange background featuring a repeating pattern of delivery drivers in red uniforms running while carrying pizzas on their backs.

Display all customers who live in 'Delhi'.

```
SELECT name, city FROM customers  
WHERE city = "Delhi";
```

name	city
Rohini Verma	Delhi
Manish Kumar	Delhi
Sonali Mishra	Delhi



Display all customers who have never placed an order.

```
SELECT distinct customers.name, orders.order_id  
FROM customers LEFT JOIN orders  
ON customers.customer_id = orders.customer_id  
WHERE orders.order_id is null;
```

name	order_id
Sonal Kaur	NULL
Vivek Malhotra	NULL
Divya Iyer	NULL
Rakesh Yadav	NULL
Mona Sharma	NULL
Sudha Pillai	NULL
Gaurav Khanna	NULL

Find the average rating of all restaurants in 'Mumbai'.

```
SELECT city, avg(rating) FROM restaurants  
WHERE city = "Mumbai"  
GROUP BY city;
```

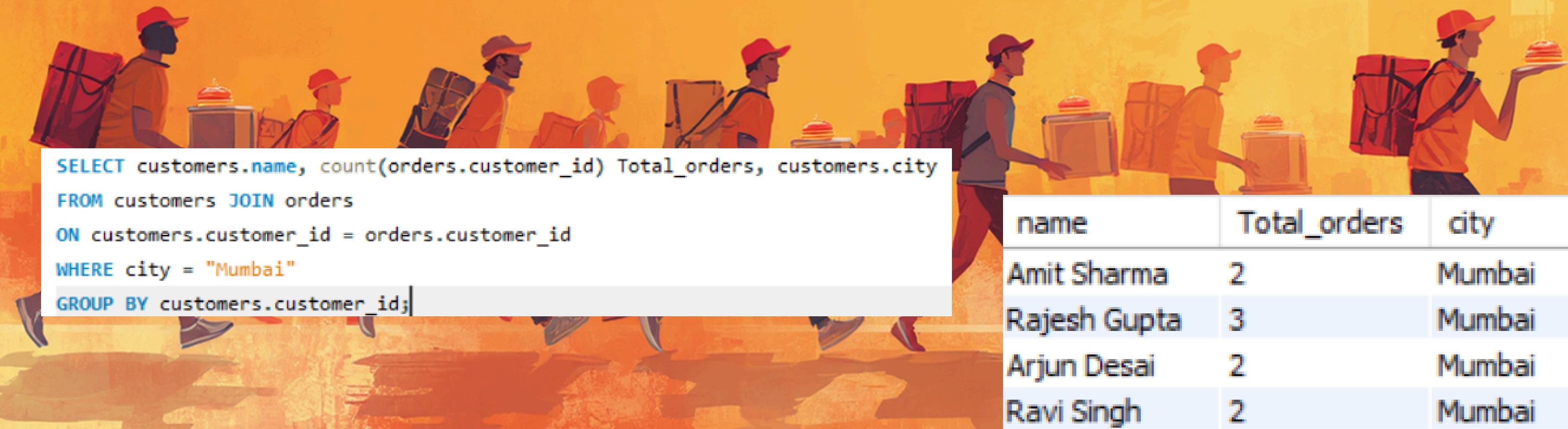
city	avg(rating)
Mumbai	4.300000



Find the number of orders placed by each customer in 'Mumbai'.

```
SELECT customers.name, count(orders.customer_id) Total_orders, customers.city  
FROM customers JOIN orders  
ON customers.customer_id = orders.customer_id  
WHERE city = "Mumbai"  
GROUP BY customers.customer_id;
```

name	Total_orders	city
Amit Sharma	2	Mumbai
Rajesh Gupta	3	Mumbai
Arjun Desai	2	Mumbai
Ravi Singh	2	Mumbai



List all customers who have placed at least one order.

```
SELECT customers.name, count(customers.customer_id) order_count
FROM customers JOIN orders
ON customers.customer_id = orders.customer_id
GROUP BY customers.customer_id
HAVING count(orders.order_id >= 1);
```

name	order_count
Amit Sharma	2
Rohini Verma	3
Rajesh Gupta	3
Sneha Mehta	2
Manish Kumar	4
Priya Singh	3
Vikas Reddy	3
Anjali Patel	3
Suresh Nair	1
Kavita Deshmukh	2
Vivek Bhatt	2

Display all orders placed in the last 30 days.

```
SELECT * FROM orders
WHERE order_date >= (SELECT max(order_date) FROM orders) - interval 30 day;
```

order_id	customer_id	restaurant_id	order_date	total_amount	status
1	1	3	2024-08-01 00:00:00	750.00	Completed
2	2	5	2024-08-02 00:00:00	600.00	Completed
3	3	1	2024-08-04 00:00:00	0.00	Cancelled
4	4	7	2024-08-01 00:00:00	850.00	Completed
5	5	2	2024-08-03 00:00:00	1200.00	Completed
6	1	4	2024-08-06 00:00:00	500.00	Processing
7	6	8	2024-08-03 00:00:00	950.00	Completed
8	7	9	2024-08-08 00:00:00	700.00	Completed
9	8	6	2024-08-02 00:00:00	650.00	Completed
10	9	11	2024-08-09 00:00:00	0.00	Cancelled
11	10	12	2024-08-01 00:00:00	900.00	Completed

Display the total number of orders placed by each customer.

```
SELECT customers.name, count(orders.customer_id) Total_orders  
FROM customers JOIN orders  
ON customers.customer_id = orders.customer_id  
GROUP BY customers.customer_id;
```

name	Total_orders
Amit Sharma	2
Rohini Verma	3
Rajesh Gupta	3
Sneha Mehta	2
Manish Kumar	4
Priya Singh	3
Vikas Reddy	3
Anjali Patel	3
Suresh Nair	1
Kavita Deshmukh	2
Vivek Bhatt	2

List all delivery partners who have completed more than 1 delivery

```
SELECT deliverypartners.name, deliverypartners.partner_id, COUNT(orderdelivery.order_id) Total_deliveries  
FROM deliverypartners JOIN orderdelivery  
ON deliverypartners.partner_id = orderdelivery.partner_id  
JOIN deliveryupdates  
ON orderdelivery.order_id = deliveryupdates.order_id  
WHERE deliveryupdates.status = 'Delivered'  
GROUP BY deliverypartners.partner_id , deliverypartners.name  
HAVING count(orderdelivery.order_id) > 1;
```

name	partner_id	Total_deliveries
Suresh Reddy	4	3
Anita Desai	5	2
Ravi Kumar	2	2
Reena Rao	12	2

Find the total revenue generated by each restaurant.

```
SELECT sum(TOTAL_AMOUNT) total_revenue, restaurants.name  
FROM restaurants JOIN orders  
ON restaurants.restaurant_id = orders.restaurant_id  
GROUP BY restaurants.name;
```

total_revenue	name
5300.00	Biryani House
600.00	Taste of Punjab
1100.00	Spice of India
2100.00	Coastal Delight
1200.00	Tandoori Flames
3200.00	Curry Pot
1600.00	Veggie Delight
2550.00	Gujarat Express
650.00	Royal Biryani
900.00	Punjabi Tadka
4050.00	Flavours of Ben...



Find the customers who have placed orders on exactly three different days.

```
SELECT customers.name, customers.customer_id  
FROM customers JOIN orders  
ON customers.customer_id = orders.customer_id  
GROUP BY customers.name, customers.customer_id  
HAVING count(distinct date(orders.order_date)) = 3;
```

name	customer_id
Anjali Patel	8
Ashok Kumar	15
Nidhi Saxena	14
Priya Singh	6
Rohini Verma	2
Sonali Mishra	18

Find the top 5 restaurants with the highest average rating.

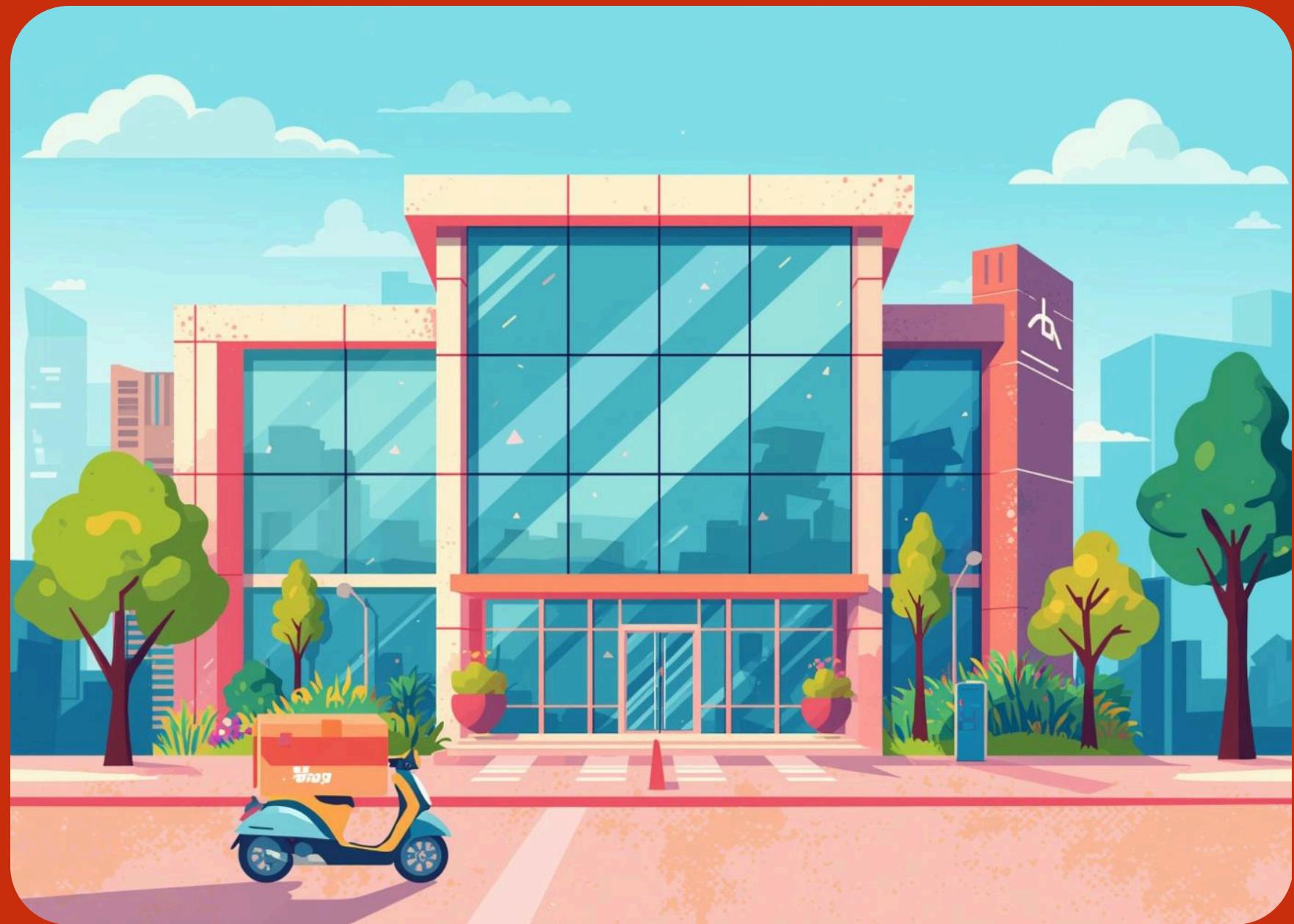
```
SELECT name, avg(rating) FROM restaurants  
GROUP BY name  
ORDER BY avg(rating) desc  
LIMIT 5;
```

name	avg(rating)
Biryani House	4.800000
Paradise Biryani	4.800000
Lucknowi Nawabi	4.700000
Royal Biryani	4.700000
Flavours of Bengal	4.600000

Find the delivery partner who has worked with the most different customers.

```
SELECT deliverypartners.name, deliverypartners.partner_id,  
COUNT(DISTINCT orders.customer_id) AS total_customers  
FROM deliverypartners  
JOIN orderdelivery  
ON deliverypartners.partner_id = orderdelivery.partner_id  
JOIN orders  
ON orderdelivery.order_id = orders.order_id  
GROUP BY deliverypartners.name, deliverypartners.partner_id  
ORDER BY total_customers desc  
LIMIT 1;
```

name	partner_id	total_customers
Suresh Reddy	4	6



THANK YOU