SWIGGY

ADVANCE SQL PROJECT

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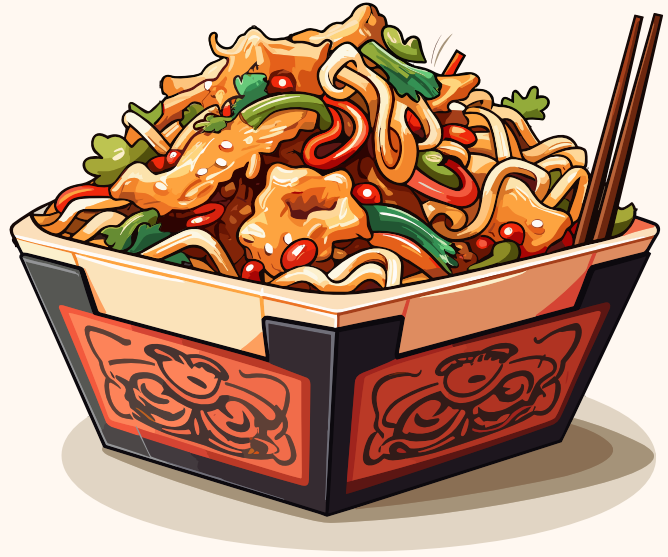
PROJECT INTRODUCTION

Swiggy, India’s leading food delivery platform, strives to enhance customer satisfaction and streamline operations through data-driven insights. This project analyzes Swiggy’s SQL dataset to uncover patterns in customer behavior, restaurant performance, and delivery partner efficiency. The findings will guide Swiggy in optimizing its services, increasing sales and boosting customer satisfaction journey



SWIGGY

SQL QURIES USED FOR ANALYSIS

Display all customers who live in दिल्ली


```
SELECT
    *
FROM
    customers
WHERE
    city = 'Delhi';
```

Find the average rating of all restaurants in मुंबई


```sql
SELECT
    ROUND(AVG(rating), 1)
FROM
    restaurants
WHERE
    city = 'mumbai';
```

List all customers who have placed at least one order.

```sql
SELECT DISTINCT
    customers.customer_id,
    customers.name
FROM
    customers
        INNER JOIN
    orders ON
    customers.customer_id = orders.customer_id;
```

Display the total number of orders placed by each customer.

```sql
SELECT
    customers.customer_id,
    customers.name,
    COUNT(orders.order_id) AS
    no_of_orders
FROM
    customers
        LEFT JOIN
    orders ON customers.customer_id =
    orders.customer_id
GROUP BY customers.customer_id ,
customers.name;
```

Find the total revenue generated by each restaurant.

```sql
SELECT
    restaurants.restaurant_id,
    restaurants.name,
    COALESCE(SUM(orders.total_amount), 0)
    revenue
FROM
    restaurants
        LEFT JOIN
    orders ON
    restaurants.restaurant_id = orders.restaurant_id
GROUP BY restaurants.restaurant_id ,
         restaurants.name;
```

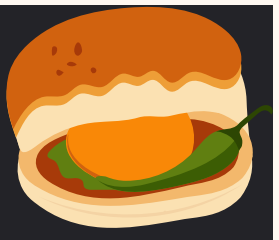
Find the top 5 restaurants with the highest average rating.

```sql
SELECT
    restaurant_id, name, city, ROUND(AVG(rating), 1) avg_rating
FROM
    restaurants
GROUP BY restaurant_id , name , city
ORDER BY AVG(rating) DESC
LIMIT 5;
```

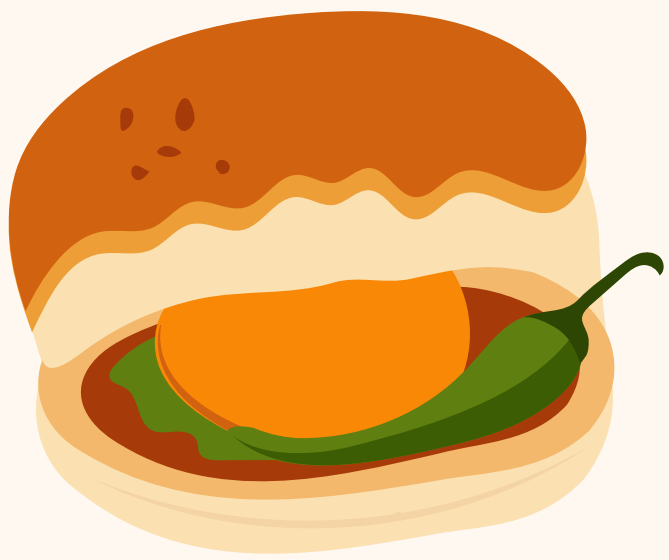
Display all customers who have never placed an order.

```sql
SELECT DISTINCT
    customers.customer_id, customers.name
FROM
    customers
        LEFT JOIN
    orders ON customers.customer_id = orders.customer_id
WHERE
    orders.customer_id IS NULL;
```

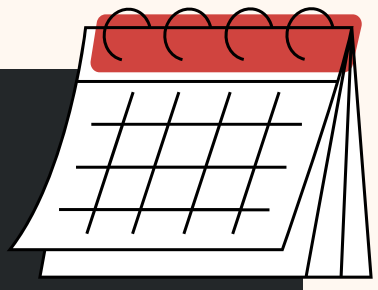
Find the number of orders placed by each customer in 'Mumbai'.



```sql
SELECT
    customers.customer_id,
    customers.name,
    COUNT(orders.order_id) AS No_of_orders
FROM
    customers
        JOIN
    orders ON customers.customer_id = orders.customer_id
WHERE
    customers.city = 'Mumbai'
GROUP BY customers.customer_id , customers.name;
```



Display all orders placed in the last 30 days.



```sql
SELECT
    *
FROM
    orders
WHERE
    order_date >= CURDATE() - INTERVAL 30 DAY;
```

List all delivery partners who have completed more than 1 delivery

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

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

```sql
SELECT
    customers.customer_id, customers.name
FROM
    customers
        JOIN
    orders ON customers.customer_id = orders.customer
GROUP BY customers.customer_id , customers.name
HAVING COUNT(DISTINCT orders.order_date) = 3;
```

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

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

Identify customers who have the same city and have placed orders at the same restaurants, but on different dates.

```sql
SELECT c1.customer_id AS customer1_id, c1.name AS customer1_name, c1.city,
       c2.customer_id AS customer2_id, c2.name AS customer2_name, o1.restaurant_id
FROM customers c1
JOIN customers c2 ON c1.city = c2.city AND c1.customer_id <> c2.customer_id
JOIN orders o1 ON o1.customer_id = c1.customer_id
JOIN orders o2 ON o2.customer_id = c2.customer_id AND o1.restaurant_id = o2.restaurant_id;

SELECT c1.name AS customer1_name, c1.city,
       c2.name AS customer2_name, o1.restaurant_id
FROM customers c1
JOIN customers c2 ON c1.city = c2.city AND c1.customer_id <> c2.customer_id
JOIN orders o1 ON o1.customer_id = c1.customer_id
JOIN orders o2 ON o2.customer_id = c2.customer_id
                AND o1.restaurant_id = o2.restaurant_id
                AND o1.order_date <> o2.order_date;
```

THANK YOU

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