FASOS SQL Project Report

# 1. Project Overview

FASOS is a food delivery company that allows customers to customize their rolls. This SQL analytics project investigates customer behavior, delivery efficiency, ingredient usage, and driver performance using structured relational data.

# 2. Database Schema Overview

- driver(driver\_id, reg\_date)  
- ingredients(ingredients\_id, ingredients\_name)  
- rolls(roll\_id, roll\_name)  
- rolls\_recipes(roll\_id, ingredients)  
- driver\_order(order\_id, driver\_id, pickup\_time, distance, duration, cancellation)  
- customer\_orders(order\_id, customer\_id, roll\_id, not\_include\_items, extra\_items\_included, order\_date)

# 3. Key Business Questions & Insights

## - Most Ordered Rolls

Insight: Non-Veg Rolls are the most popular among customers.

## - Peak Order Hours

Insight: Most orders are placed between 6 PM and 9 PM.

## - Driver with Most Cancellations

Insight: Driver ID 2 has the highest number of cancellations.

## - Driver Performance

Insight: Driver ID 1 has completed the most successful deliveries.

## - Average Delivery Time

Insight: Average delivery time ranges between 15 to 40 minutes.

## - Most Used Ingredients

Insight: Cheese and Chicken are the most commonly used ingredients.

## - Frequently Excluded Ingredients

Insight: Cheese and Onions are frequently removed by customers.

## - Frequently Added Ingredients

Insight: BBQ Chicken is a popular extra addition.

## - Cancellation Rate

Insight: Roughly 30% of the orders face cancellations.

## - Orders Per Day

Insight: Order volume is consistent, with peaks on weekends.

# 4. Conclusion

This project demonstrates how SQL can provide actionable insights into customer preferences, delivery logistics, and inventory usage. With deeper integration into BI tools, FASOS can further optimize operations and boost customer satisfaction.