

## Project Name: "Food Ordering System Database Design and Management"

### ER Diagram:



**Description of the Project:**

In this project, I have designed a SQL database for a food ordering system that includes 10 tables: orders, customers, address, items, recipe, ingredient, inventory, staff, shift, and rota. The tables are normalized to reduce data redundancy and ensure data consistency.

Using SQL queries, I have created a Sales Department Report that calculates the total number of orders, total sales, and average order value for a specific period. This report can be used by the sales team to track their performance and set targets.

I have also created queries for inventory management that help calculate the total quantity of ingredients in stock, the cost of ingredients, the total cost of ingredients used in a given period, and the quantity of ingredients to order based on current inventory levels. Additionally, I have created a query to calculate the total staff cost for a given period.

This project helps the restaurant or food delivery business to manage their inventory, staff, and sales data in an efficient and organized manner.