

DBMS Project

Business model idea:

Momos Inc. Database Requirements

1. Overview: Momos Inc.[™] is a food chain specializing in momos and related dishes. It has numerous outlets across India, including restaurants, food carts, and food trucks. To efficiently manage its operations, Momos Inc. requires a centralized database that integrates all aspects of its business, including outlets, employees, inventory, food menus, customer orders, and sales tracking.

2. Outlets: Each outlet operates under different conditions and must store detailed records, including:

- **Basic Details:** Outlet ID, Name, Location, Type (Restaurant, Food Truck, or Cart), Opening Date.
 - **Inventory:** Each outlet maintains an inventory that contains details such as:
 - Item Name
 - Quantity Available
 - Supplier Information (Supplier ID, Name, Contact, Address)
 - Last Restock Date
 - Threshold Level (for auto-restocking notifications)
 - **Menu:** Menus vary across outlets and should include:
 - Food Item ID, Name, Category (Gravy, Fried, Steam, Kurkure, etc.), Subtype
 - Price (which may differ across outlets)
 - Availability Status (available, out of stock, discontinued)
 - Dietary Classification (Vegetarian, Non-Vegetarian)
 - **Staffing:**
 - Restaurants may have multiple employees (chefs, waiters, managers, etc.).
 - Food trucks and carts generally have 2-3 employees each.
 - Employee details include Employee ID, Name, Role, Salary, Contact Information, and Work Schedule.
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3. Customer Orders: Customers place orders either at the outlet or online. Each order must be recorded with details such as:

- **Order ID, Date, Time**
- **Customer Details:** Name, Phone Number, Address (for delivery orders)
- **Order Items:** List of items ordered, Quantity, Price, Customization Requests

- **Payment Details:** Payment Method (Cash, UPI, Credit/Debit Card)
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4. Employee Management:

- **Basic Details:** Includes details of all employees, their assigned outlet, roles, and salary structure.
- **Work Shifts:** Shift schedules for each employee, including days off and overtime records.

ER Diagram:

<https://www.figma.com/design/PQSkUxEKudMq71Rq1en6bN/Untitled?node-id=0-1&p=f&t=2f6F xv1LkFHDVxGa-0>

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Sources: Lectures, Chatgpt (for Document formatting), Posts on Google Classroom