



The diagram above represents a normalized relational database schema for a restaurant ordering system. It includes entities for customers (members), restaurants, meals, orders, and supporting reference tables.

Key relationships include:

Each member belongs to a city and can place many orders.

Each order is associated with one member and one restaurant, and can include multiple meals via the order_details junction table.

Each meal is prepared by a specific restaurant, has a meal type (e.g., breakfast, lunch), and a serve type (e.g., dine-in, takeaway).

Each restaurant is located in a city and categorized by a restaurant type.

The monthly_member_totals table summarizes member activity per month and includes order count, meal count, expenses, and commission.