

Title: Restaurant management system

1. Restaurant:

Identity - Represents the establishment that the system is designed for.

Properties - Name, address, contact information, seating capacity, opening hours.

Behavior - manages reservations, handles customer interactions.

2. Menu:

Identity - Represents the list of food and drink items offered by the restaurant.

Properties - Item name, description, price, ingredients.

Behavior - Displays available options to customers, allows ordering, updates availability based on stock.

3. Order:

Identity - Represents a customer's request for food and drinks.

Properties - Customer name, table number, ordered items, special instructions, status.

Behavior - Records and tracks customer orders, communicates with kitchen staff, updates order status.

4. Inventory:

Identity - Represents the stock of ingredients and supplies available in the restaurant.

Properties - Ingredient name, quantity, expiration date, supplier information.

Behavior - Tracks inventory levels, notifies kitchen inventory when items are used or received.

5. Staff:

Identity - Represents the employees working in the restaurant.

Properties - Name, position, contact information, shift schedule, permissions.

Behavior - Performs tasks assigned by the system, takes orders, prepares food, manages customer service.