

Case Study: Online Food Ordering System

Context: You have been hired by a restaurant chain to develop an **Online Food Ordering System**. The system allows users to browse the menu, order food, and make payments online. After the order is placed, the restaurant confirms it, prepares the food, and notifies the delivery team to dispatch the order. The system also supports order tracking for customers and an admin interface to manage menu items and view orders.

Features of the System:

1. **User Registration and Login**
 2. **Menu Browsing**
 3. **Place Order**
 4. **Payment**
 5. **Order Confirmation**
 6. **Delivery**
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Task 1: Draw a Use Case Diagram

Instructions:

- Identify the primary **actors** (e.g., Customer, Restaurant Staff, Delivery Person, etc.)
 - Define the main **use cases** (e.g., Register, Browse Menu, Place Order, Make Payment, Confirm Order, Track Order, etc.).
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Task 2: Draw a Sequence Diagram

Instructions:

- Create a **sequence diagram** to represent the interaction when a customer places an order.
- The diagram should include the following **objects**:
 - **Customer**
 - **System**