

## Day 1

**Name:Dharunya S**

**Date :7-7-2025**

Draw use case diagram and sequence diagram for food delivery app.

Customers can:

Register/login

Browse restaurants and food items

Place order

Track delivery

Make payments

Restaurant owners can:

Add/edit menus

Accept or reject orders

Delivery agents can:

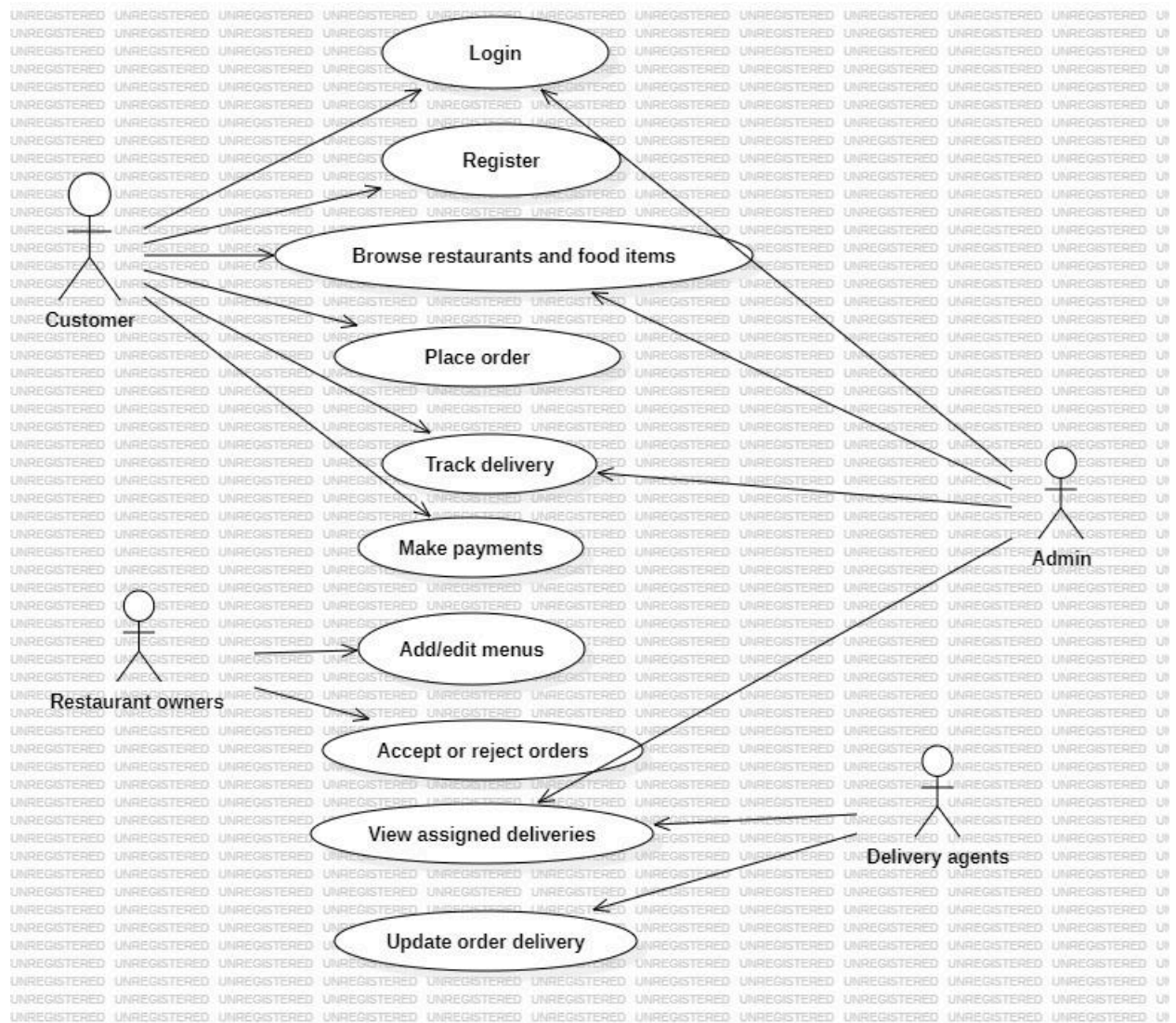
View assigned deliveries

Update order delivery

Admin can:

Monitor the workflow

## 1. Use Case Diagram



```

sequenceDiagram
    participant C as Customers
    participant App
    participant RO as Restaurant owners
    participant DA as Delivery agents
    participant Admin

    C->>App: 2: Register/Login
    App->>RO: 1: Monitor the workflow
    App->>RO: 3: Confirmation
    App->>RO: 4: Add/edit menu
    App->>C: 5: Browse restaurants and food items
    App->>C: 6: return menu data
    App->>C: 7: Place order
    App->>RO: 8: send order
    App->>RO: 9: Accept or reject orders
    App->>C: 10: Make payments
    App->>C: 11: Payment Status
    App->>DA: 12: Process payment
    App->>DA: 13: assign deliveries
    App->>DA: 14: view assigned deliveries
    App->>C: 15: Track delivery
    App->>C: 16: update delivery status
    App->>C: 17: return delivery updates
  
```

The diagram illustrates the interactions between five actors: Customers, App, Restaurant owners, Delivery agents, and Admin. The interactions are as follows:

- Customers** interact with the **App** for:
  - 2: Register/Login
  - 5: Browse restaurants and food items
  - 6: return menu data
  - 7: Place order
  - 10: Make payments
  - 11: Payment Status
  - 15: Track delivery
  - 16: update delivery status
  - 17: return delivery updates
- App** interacts with **Restaurant owners** for:
  - 1: Monitor the workflow
  - 3: Confirmation
  - 4: Add/edit menu
  - 8: send order
  - 9: Accept or reject orders
- App** interacts with **Delivery agents** for:
  - 12: Process payment
  - 13: assign deliveries
  - 14: view assigned deliveries

