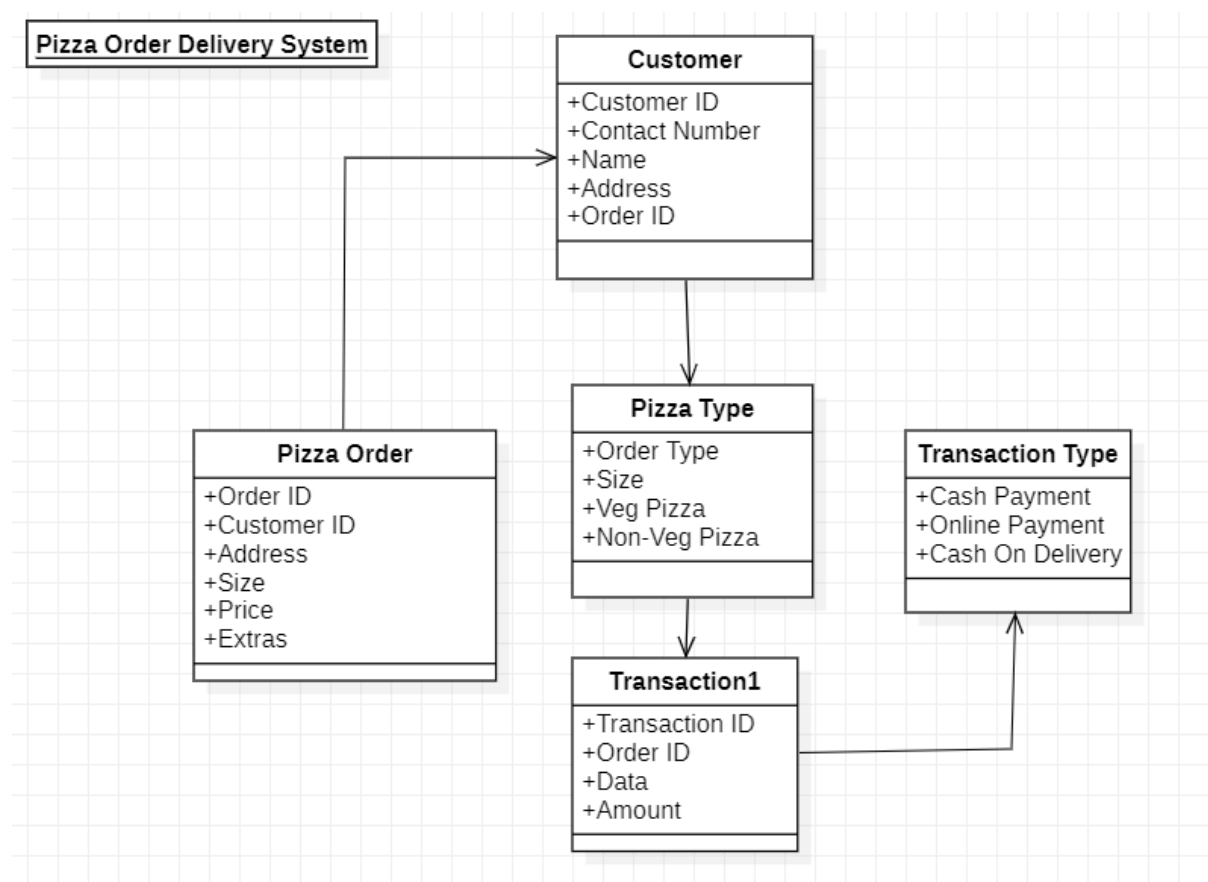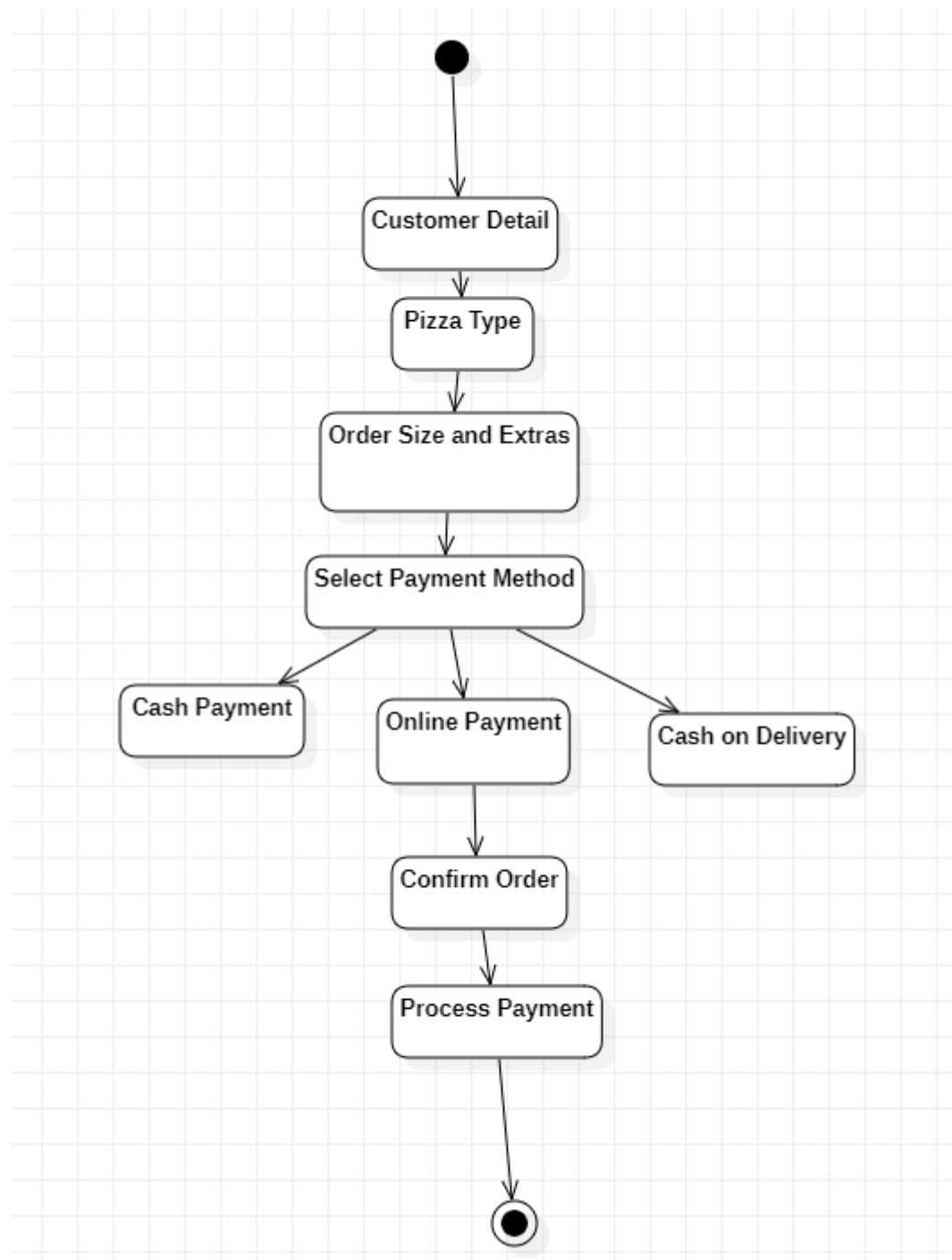# Practical No. 5

AIM: "The Pizza place" operates on delivery of pizzas. When a customer calls to order for pizza, his name, phone number and address is noted if he is ordering for the first time. If he has ordered before, the address is verified once again. The customer can choose from 3 different types (regular crust, thin crust, and cheese burst) and 3 different sizes of pizza (single, medium, and large). Customer can also add toppings of his own choice at an added cost, and beverages with the pizza. After the order is delivered a transaction record is maintained for that order. For the above case study, draw,

1. Class Diagram:

2. Activity Diagram:

```
                            ●
                            │
                            ▼
                    ┌───────────────┐
                    │ Customer Detail│
                    └───────────────┘
                            │
                            ▼
                    ┌───────────────┐
                    │  Pizza Type   │
                    └───────────────┘
                            │
                            ▼
                  ┌───────────────────┐
                  │ Order Size and Extras│
                  └───────────────────┘
                            │
                            ▼
                  ┌───────────────────┐
                  │ Select Payment Method│
                  └───────────────────┘
                   ╱        │         ╲
                  ▼         ▼          ▼
          ┌────────────┐ ┌──────────────┐ ┌────────────────┐
          │Cash Payment│ │Online Payment│ │ Cash on Delivery│
          └────────────┘ └──────────────┘ └────────────────┘
                              │
                              ▼
                        ┌─────────────┐
                        │Confirm Order│
                        └─────────────┘
                              │
                              ▼
                       ┌──────────────┐
                       │Process Payment│
                       └──────────────┘
                              │
                              ▼
                              ◉
```

e3. List the Use Cases:

i. Customer Management:

Adding new customers.

Updating customer details (contact number, name, address).

Managing customer orders.

ii. Pizza Order Management:

Placing an order for pizza.

Tracking pizza orders (order ID, size, price, extras).

iii. Pizza Type Selection:

Selecting the type of pizza (Veg or Non-Veg).

Choosing pizza size (e.g., small, medium, large).

iv. Transaction Management:

Recording transaction details (transaction ID, order ID, amount).

Associating transactions with orders.

v. Payment Type Selection:

Choosing payment options (cash payment, online payment, or cash on delivery).