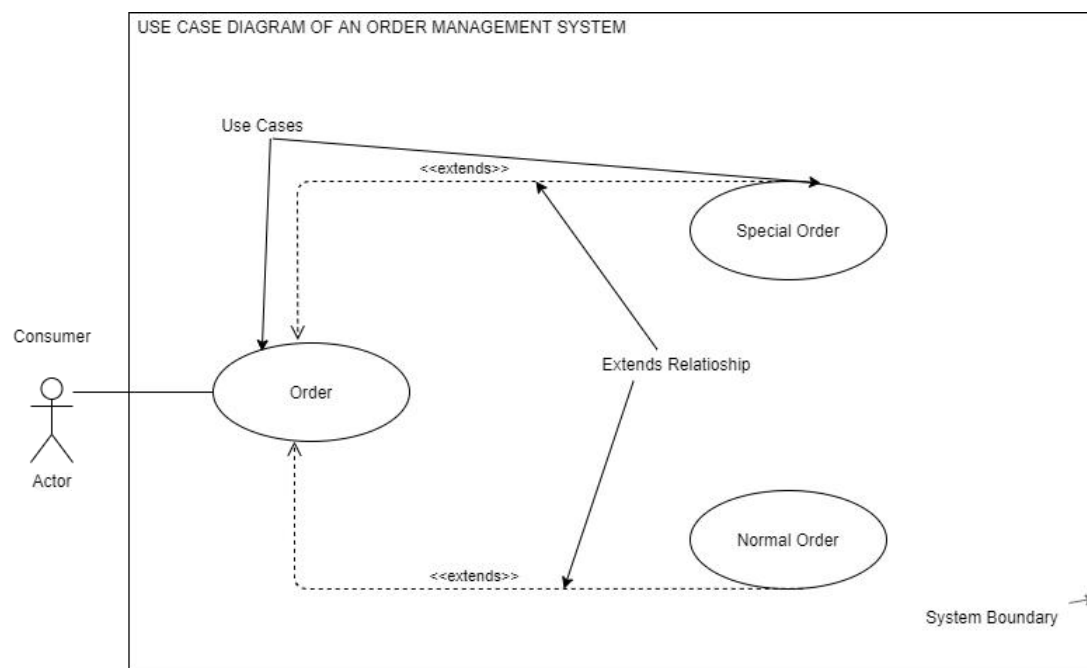# WEEK2 ASSIGNMENT

USECASE DIAGRAM

DESCRIPTION:

- This Use Case Diagram shows the order placed by a customer.
- The order can be categorized as Normal or Special order.
- It shows Order as a parent class with Normal and Special Order as the child classes which inherits features of the parent class.
- It indicates an online shopping system.

CLASS DIAGRAM

DESCRIPTION:

- This Class Diagram shows four classes-Customer,Order, NormalOrder, SpecialOrder.
- The customer class defines attributes and methods of the customer.
- It shows Order as a parent class with Normal and Special Order as the child classes which inherits features of the parent class.
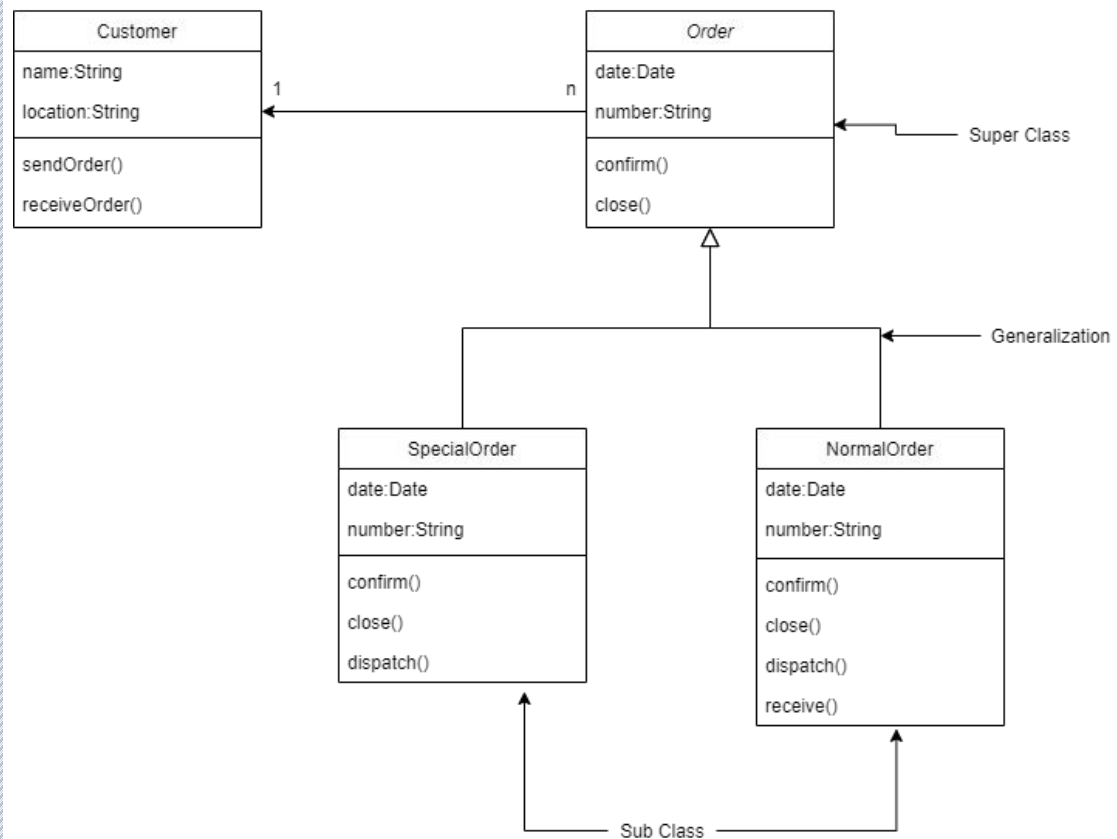- It indicates an online shopping system.

Sample Class Diagram

Customer
name:String
location:String
sendOrder()
receiveOrder()

Order
date:Date
number:String
confirm()
close()

Super Class

Generalization

SpecialOrder
date:Date
number:String
confirm()
close()
dispatch()

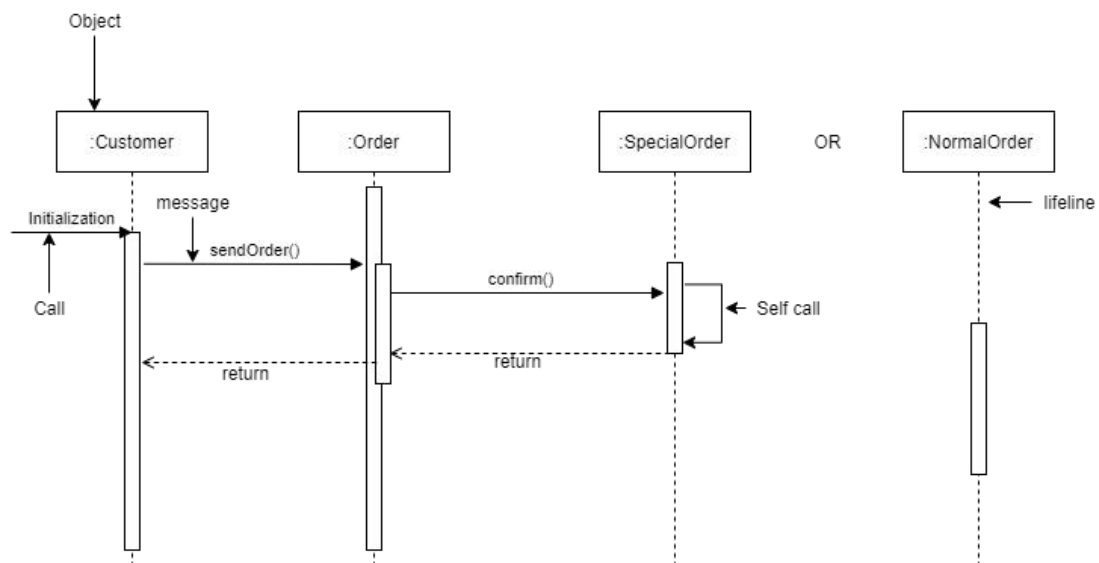| NormalOrder |
| --- |
| date:Date |
| number:String |
| confirm() |
| close() |
| dispatch() |
| receive() |

Sub Class

SEQUENCE DIAGRAM

DESCRIPTION:

- This Sequence Diagram shows sequence of various activities to be performed and the lifelines of various objects.
- First of all an order message is received from the customer which initializes an order.
- If the received order is special then it is confirmed via confirm method .
- But if the received order is normal ,it follows the normal process of dispatching.
- It indicates an online shopping system.

SEQUENCE DIAGRAM OF AN ORDER MANAGEMENT SYSTEM

ACTIVITY DIAGRAM

DESCRIPTION:

- This Activity Diagram shows sequence of various activities to be performed and the conditions to be evaluated.
- First of all customer places an order and the order is confirmed .
- If the received order is normal then it follows normal procedure for confirmation after which process is terminated.
- But if the received order is special it is confirmed immediately and process is terminated.
- It indicates an online shopping system.

ACTIVITY DIAGRAM OF AN ORDER MANAGEMENT SYSTEM

Activities

Customer sends an order request

order request system confirms the receipt of order

Start of process

[Check if the order is normal order]

Condition check

[No]

[Check if the order is special order]

[Yes]

[No]

[Yes]

Confirm the order

Termination

Dispatch the order