DFD - *(Data Flow Diagram)*
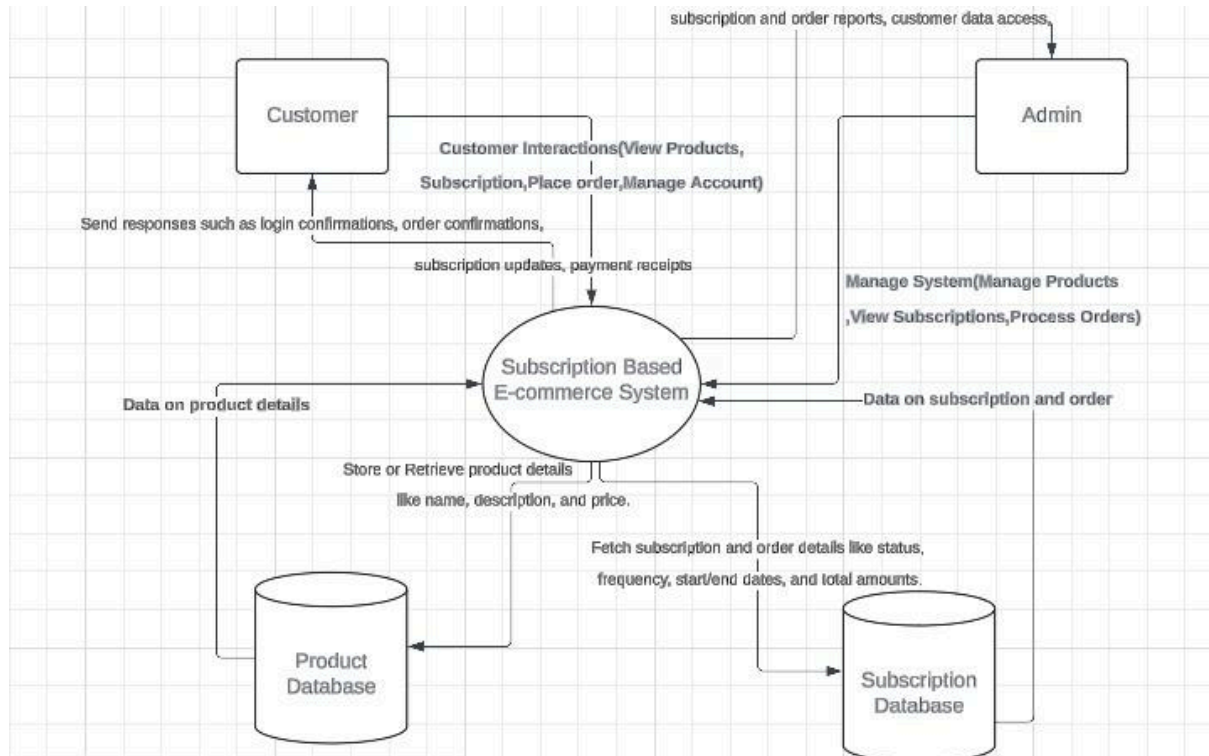

Fig 1: DFD Level 0
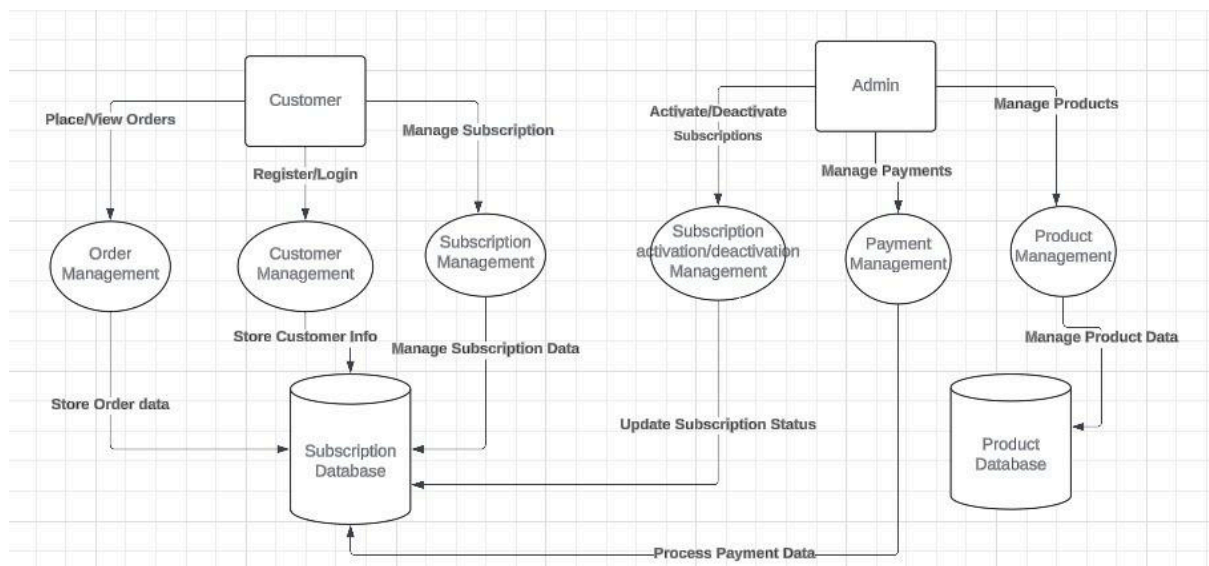

Fig 2: DFD Level 1

Use Case Diagram
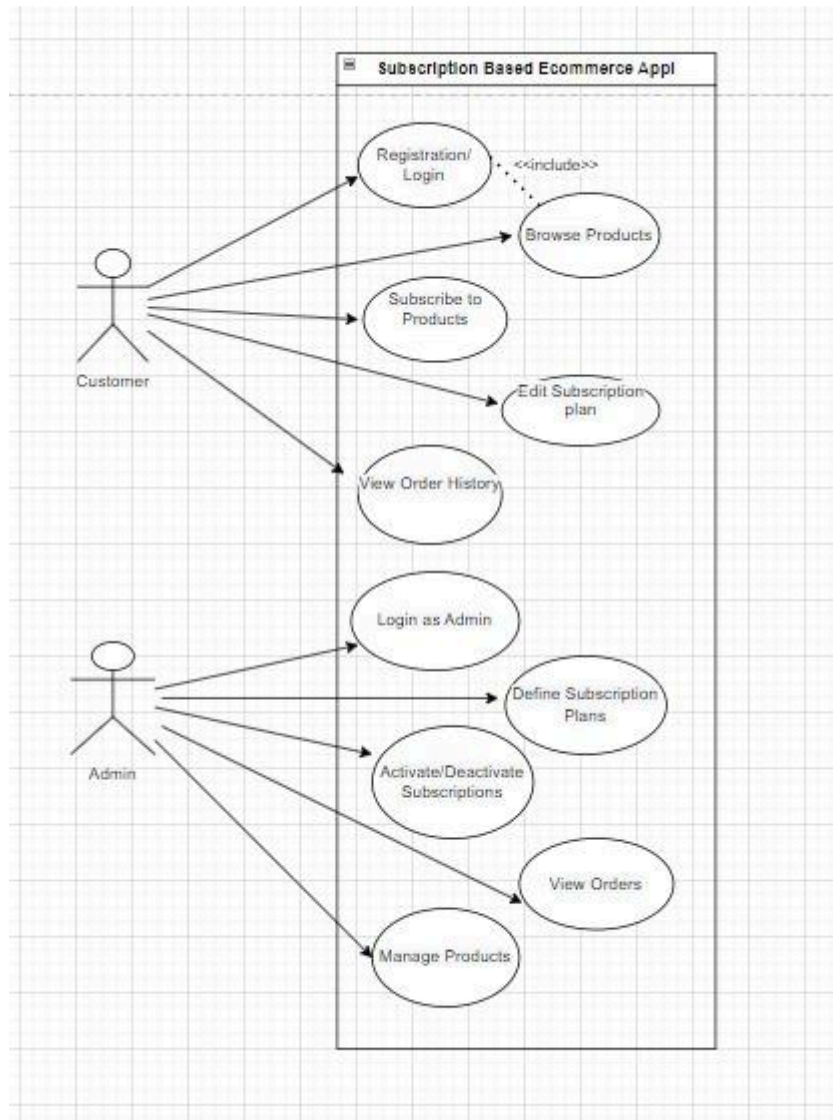

Fig 3: Use Case Diagram

Class Diagram

Admin

admin_id : int

name: String

email: String

password: String

addProduct()

updateProduct()

cancelProduct()

deactivateSubscription()

viewOrderSubscriptions()

cancelSubscription()

can view

can manage

can read

Customer

customer_id:int

name: String

email: String

password: String

wallet_balance: double

register()

login()

updateProfile()

view_subscriptions()

view_products()

Product

product_id: int

name: String

description: String

price: double

addProduct()

updateProduct

deleteProduct()

getDetails()

has many

has many

refers to one

Subscription

subscription_id: int

customer_id: int

product_id: int

start_date:Date

end_date: Date

frequency: String

status: String

activate()

deactivate()

Order

order_id: int

customer_id: int

product_id: int

order_date: Date

status: String
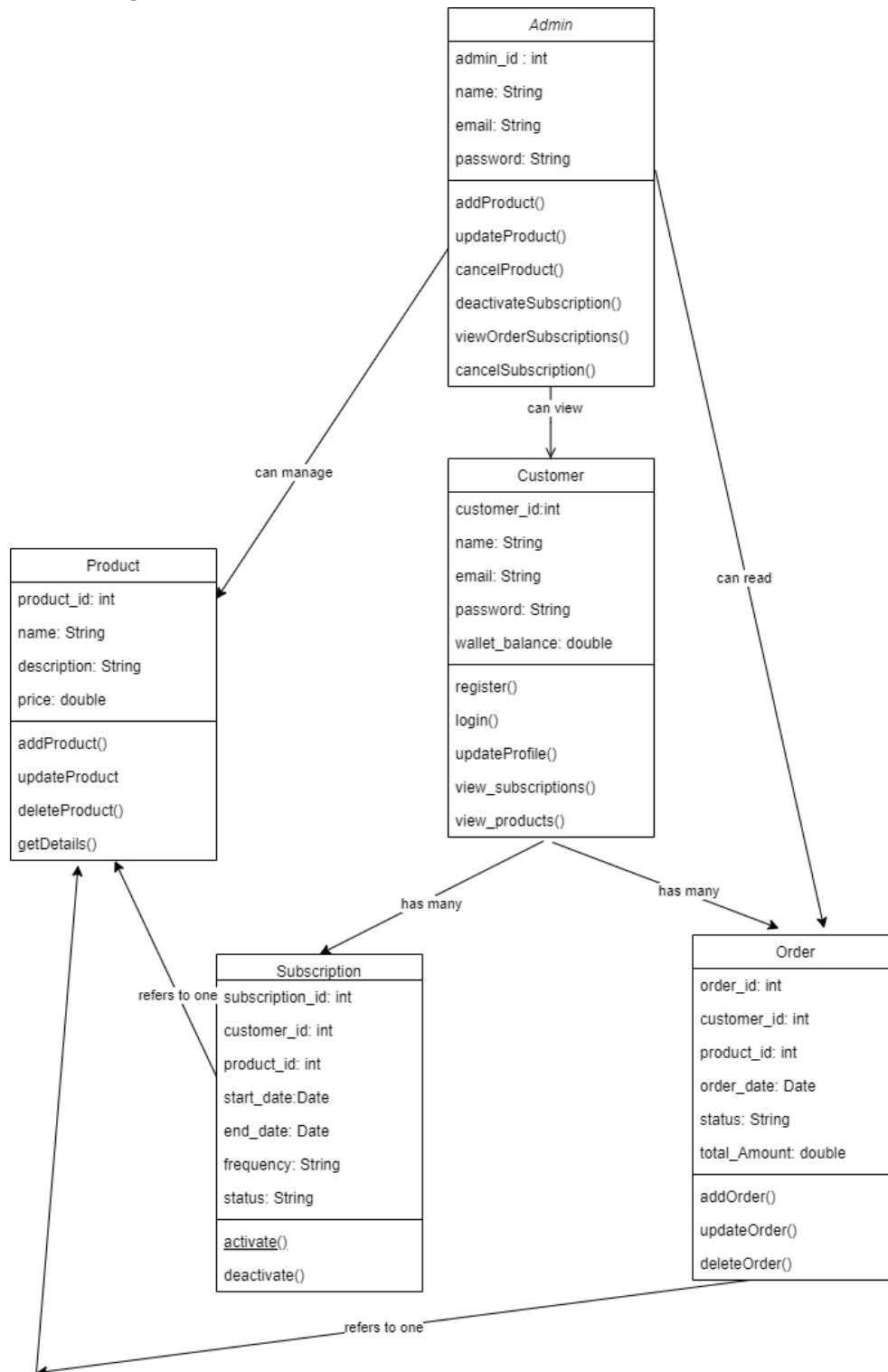
total_Amount: double

addOrder()

updateOrder()

deleteOrder()

refers to one

Fig 4: Class Diagram

ER Diagram

Fig 5: ER Diagram