1. **Use Case Diagram :**

**Dispenser**

**GUy**

**User**

**GUy**

**Maintainance Guy**

**GUy**

**2.Sequence Diagram :**

13.get required product

11.Confirm product amount

12.Select Product

10.Check Amount

9.Check Coin deposited

8.Insert Coin

7.Display price of product

6.Check Price

5.Display the product information

4.Confirm product Avaibility of Product

3.Check Availaibility For Product

2.get product details

1.Select Product

Selection

Transaction

Customer

.Control

Product/Item Dispenser

1. **Class Diagram :**

Container

Product

type

totalQuantity

availableQuantity

Controller

type

Price

quantity

Id

checkQuantity()

decreaseQuantity()

resetContainer()

containerStatus()

updateRefillingCounter()

calculateProductCost()

dispenseProduct()

dispenseProduct()

refillContainer()

checkTotalSale()

checkContainerStatus()

resetContainer()

exit()