Name:Vo Hoang Phuc _SE130239
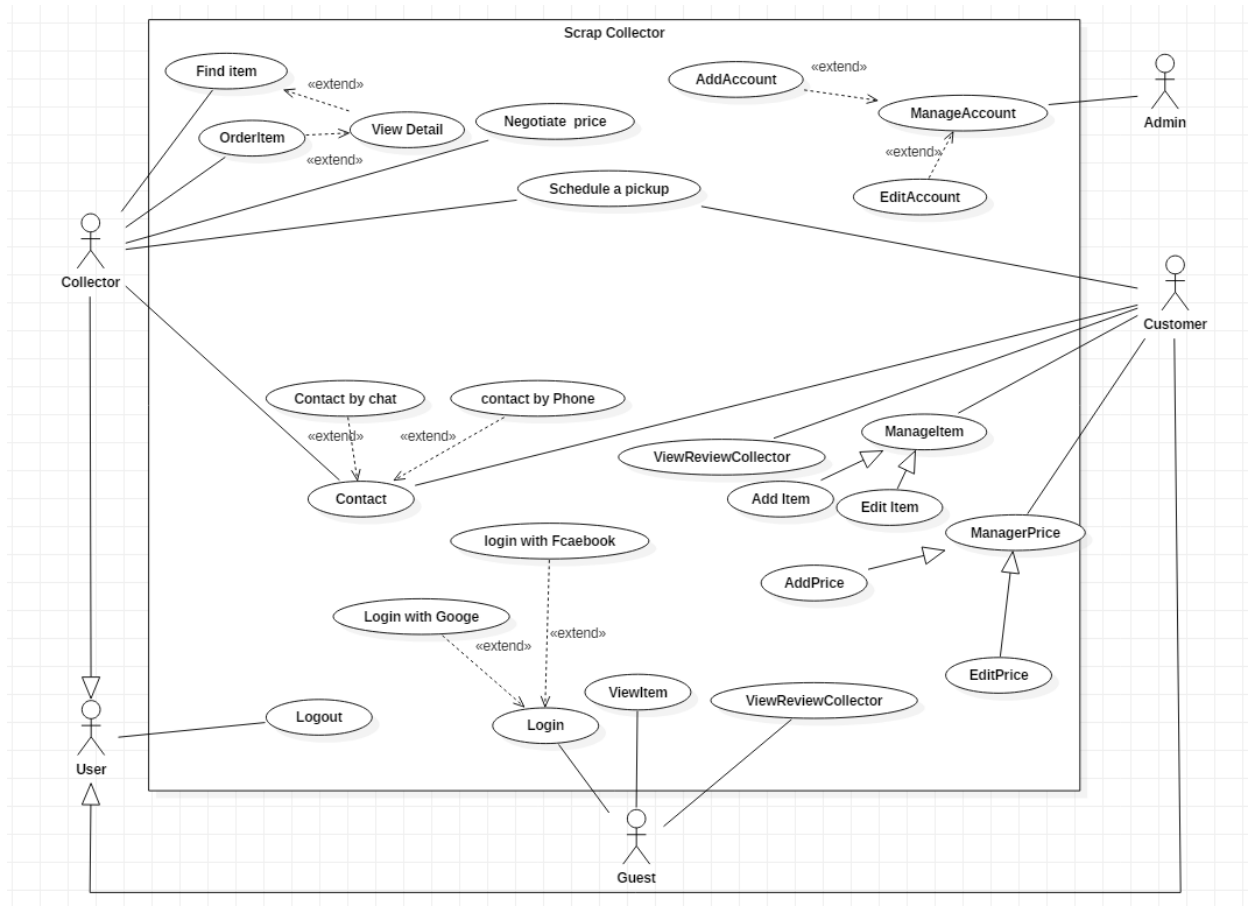
ASSIGNMENT 2

Project Description: <u>Scrap Collector</u>

+ Usecase diagram

+ Overal Usecase diagram, 2 Usecase details

<Use Case Name 1>

User Case ID	UC_1.1
Name	Use Case Name 1
Goal	Add Item
Actors	Customer
Pre-conditions	User must log in with role "Customer"
Post-conditions	-Success: Show the message "Add Item Successfully" -Fail: Show the messages "Error"
Main Flow	1. Click button "Add Item"
	2. Display "Add Item" sreen and request to enter information: -ItemID -ItemName -ItemCategoryID -ItemCategoryName -ItemPrice -Quantity
	3. Input information
	4. Click button "Confirm"
	5. Validate Item information. Display "Complete!" message.

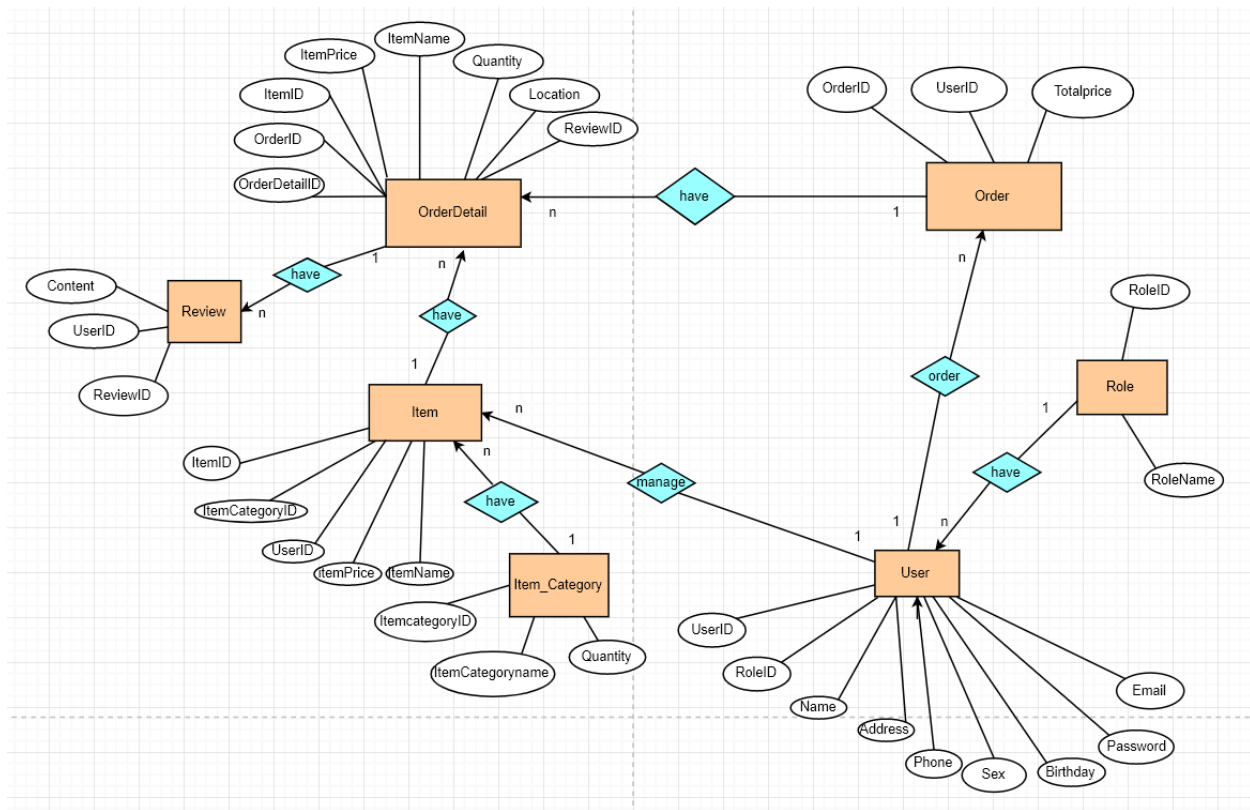|	
Exception	1: if role is not correct, show error message and ask to log in again.
	5: if Item information is not correct, show error message and ask to input again.
Open Issues	N/A

<Use Case Name 2>

User Case ID	UC_1.2
Name	Use Case Name 2
Goal	Find Item
Actors	Collector
Pre-conditions	User must log in with role "Collector"
Post-conditions	-Success: Item displayed on the screen -Fail: Show the messages "Error"
Main Flow	1. Click button "Find Item"	
		2. Display "Find Item" sreen and request to enter information: ItemID
	3. Input information	

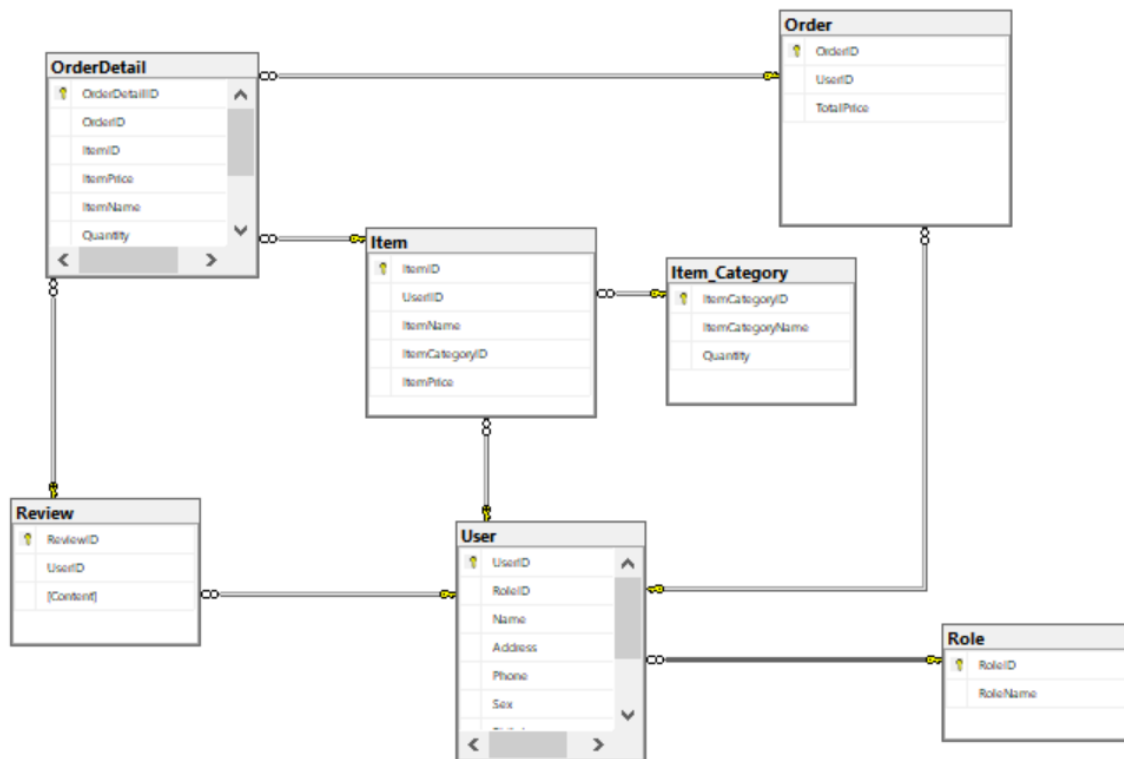|		
	4. Click button "Confirm"	5. Check ID of Item. Display "Complete!" message.
Exception	1: if role is not correct, show error message and ask to log in again. 5: if Item information is not correct, show error message and ask to input again.	
Open Issues	N/A	

+ Non-functional requirement:

-Security requirements

-Accuracy requirements

-Usability requirements

-Speed requirement

-Storage capacity requirements
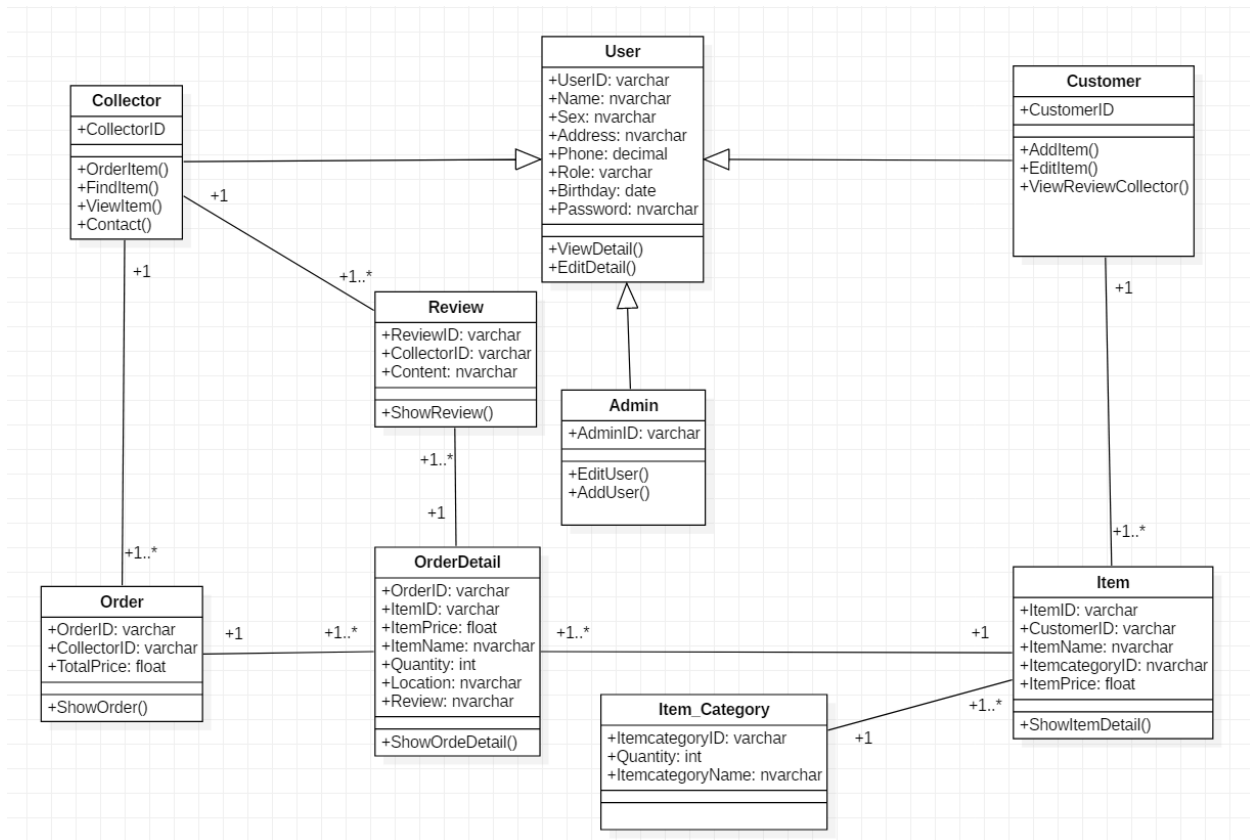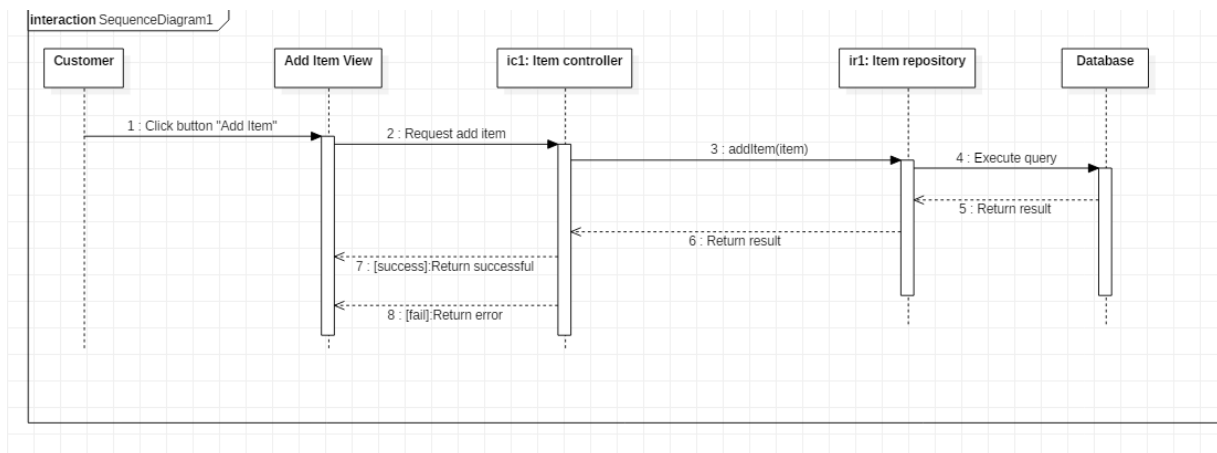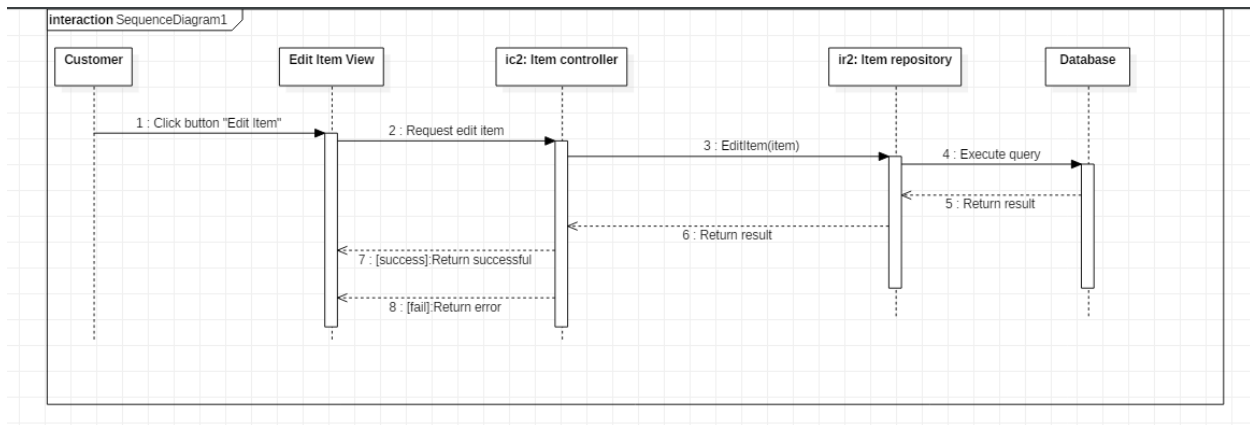
+ER Diagram

+ Database diagram

+ Class diagram

User
+UserID: varchar
+Name: nvarchar
+Sex: nvarchar
+Address: nvarchar
+Phone: decimal
+Role: varchar
+Birthday: date
+Password: nvarchar
___
+ViewDetail()
+EditDetail()

Collector
+CollectorID
___
+OrderItem()
+FindItem()
+ViewItem()
+Contact()

Customer
+CustomerID
___
+AddItem()
+EditItem()
+ViewReviewCollector()

Review
+ReviewID: varchar
+CollectorID: varchar
+Content: nvarchar
___
+ShowReview()

Admin
+AdminID: varchar
___
+EditUser()
+AddUser()

OrderDetail
+OrderID: varchar
+ItemID: varchar
+ItemPrice: float
+ItemName: nvarchar
+Quantity: int
+Location: nvarchar
+Review: nvarchar
___
+ShowOrdeDetail()

Order
+OrderID: varchar
+CollectorID: varchar
+TotalPrice: float
___
+ShowOrder()

Item
+ItemID: varchar
+CustomerID: varchar
+ItemName: nvarchar
+ItemcategoryID: nvarchar
+ItemPrice: float
___
+ShowItemDetail()

Item_Category
+ItemcategoryID: varchar
+Quantity: int
+ItemcategoryName: nvarchar

Relationship multiplicities: +1, +1..*, +1..*, +1, +1, +1..*, +1..*, +1, +1..*, +1

+ Sequence diagram (4 functions)

*Add Item

interaction SequenceDiagram1

Lifelines: Customer | Add Item View | ic1: Item controller | ir1: Item repository | Database

1 : Click button "Add Item"
2 : Request add item
3 : addItem(item)
4 : Execute query
5 : Return result
6 : Return result
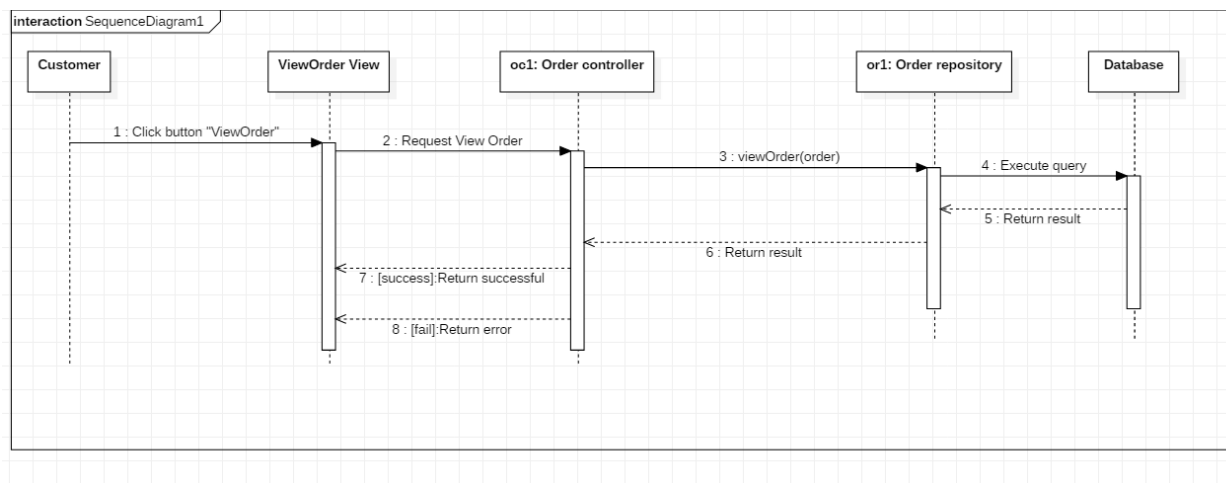7 : [success]:Return successful
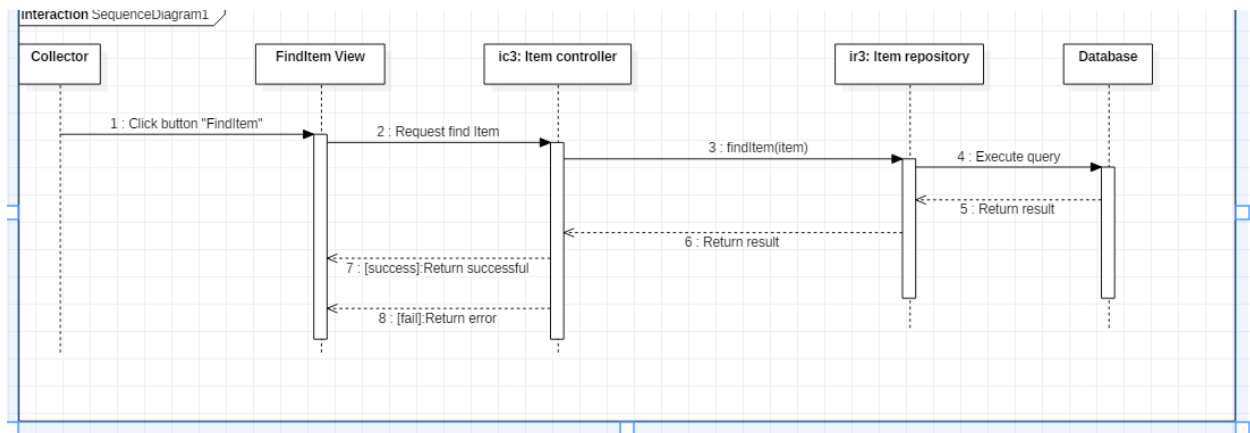8 : [fail]:Return error
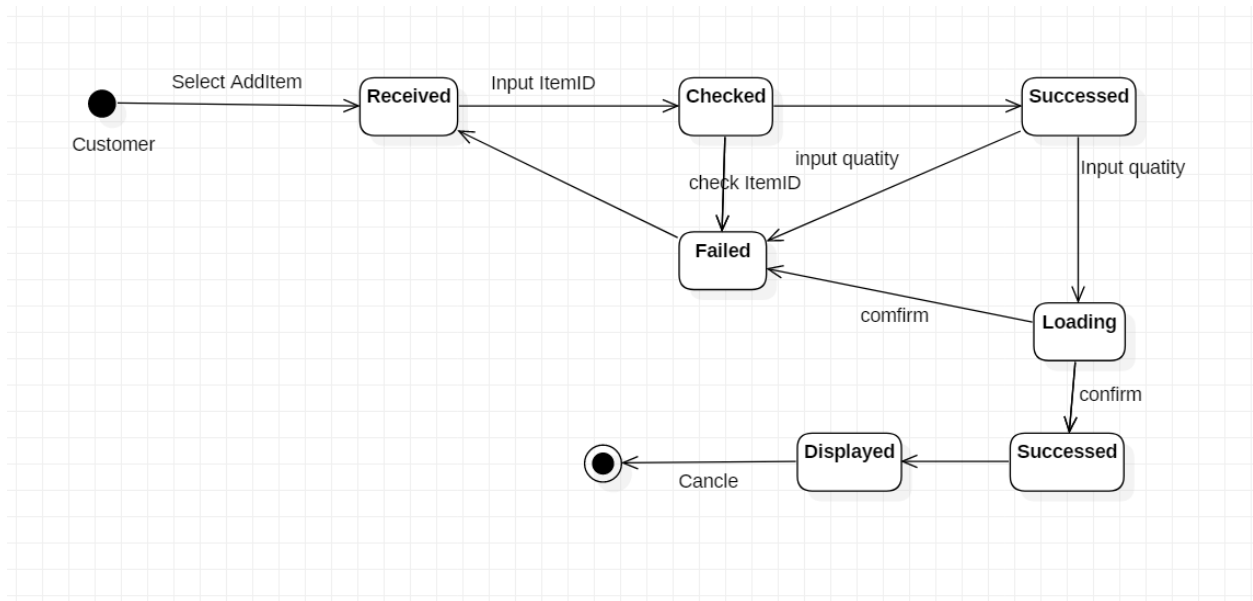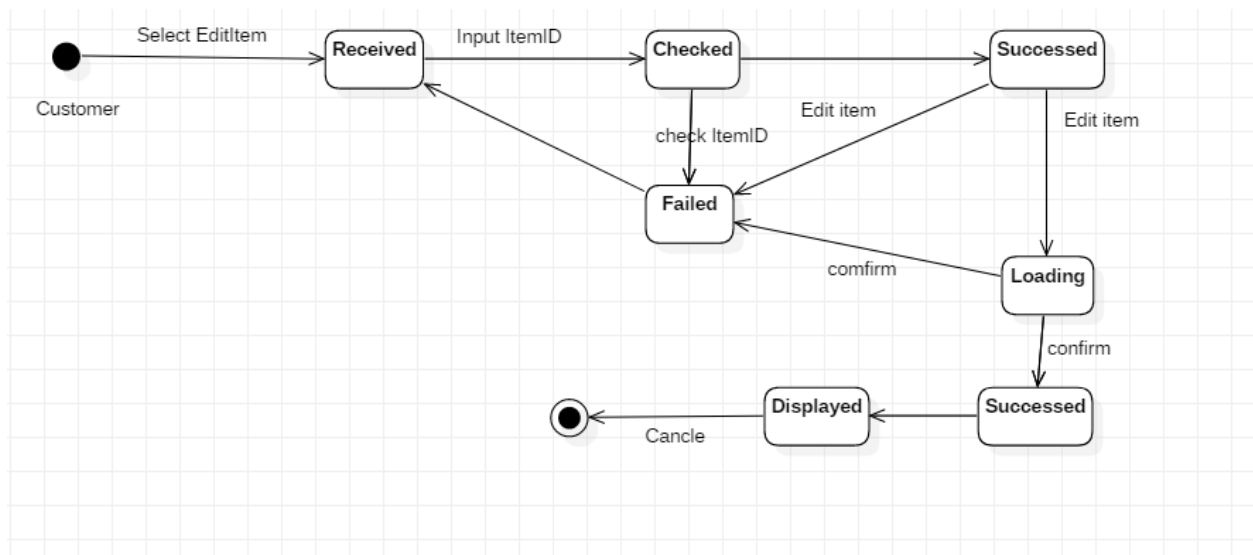
*Edit Item

*View Order

*Find Item

+ Statemachine diagram (3 objects)

*Add Item

*Edit Item

*Find Item

Collector

Select FindItem

Received

Input ItemID

Checked

check ItemID

Failed

Successed

Displayed

Cancle