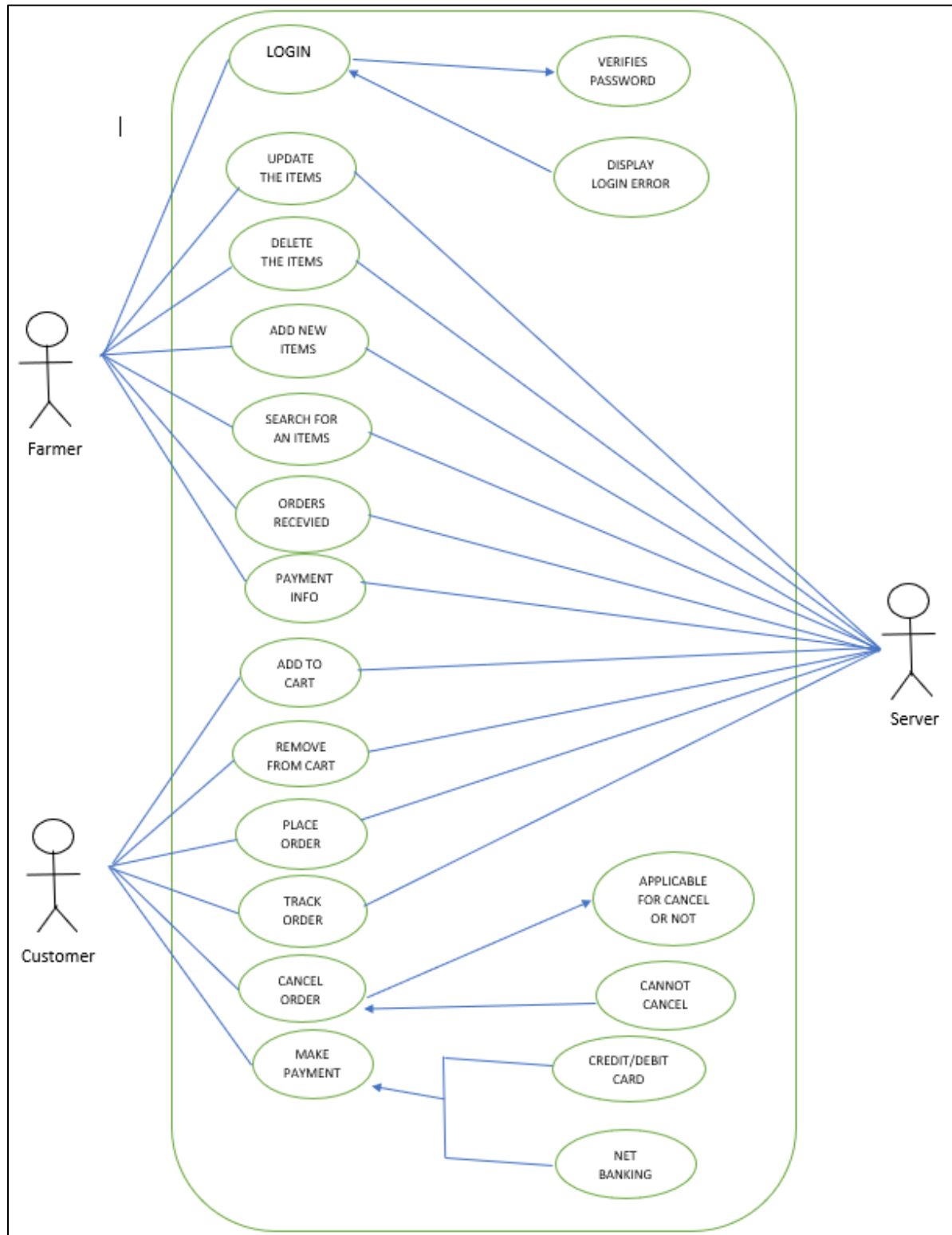# UML DIAGRAMS

1) USE CASE DIAGRAM

2) CLASS DIAGRAM

USERS

-userid: string
-password:string

+Login

CUSTOMER_SIGNUP

-customerName: string
-email: string
-password: string

+create_acc ()
+check_acc () _exstence: bool
+check_email (): bool

FARMER_SIGNUP

-farmerName:string
-mobilenumber: string
-f_password:string

+create_acc()
+check_acc()_existence:bool
+check_email():bool

CUSTOMER_LOGIN

-email: string
-password: string

+check_credentials (): bool

FARMER_LOGIN

-farmernumber: string
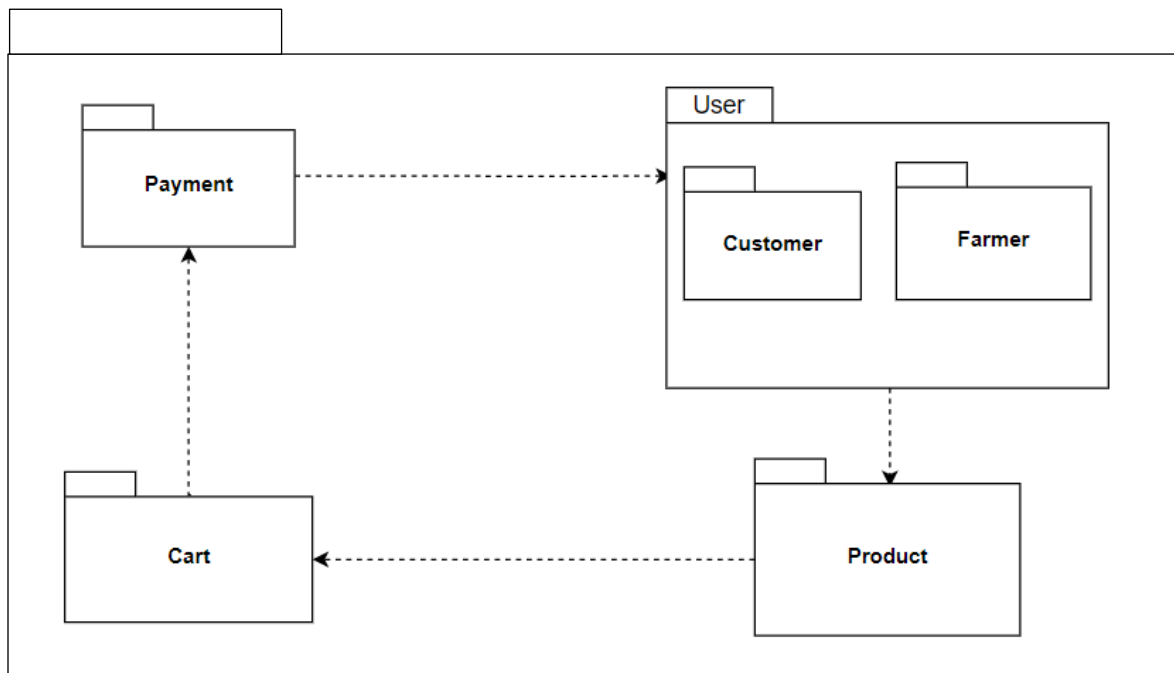-F_password: string

+check_credentials (): bool

1

1

0..*

1..*

1..*

1..*

0

CART

-cartid:int
-productid:int
-quantity:int
-dateadded: date

+update quantity ()
+view cart details ()
+check _out ()
+remove items ()

ADD_ITEMS

-productid:int
-quantity:int
-price:int

+add ()

0

DELETE_ITEMS

-productid: int

+remove ()

PAYMENT DETAILS

-orderid:int
-totalprice:int
-pay_method:String

+view details ()

0

UPDATE_ITEMS

-productid:int
-quantity:int
-price:int

+check_credentials (): bool

MENU

-products: string
-quantityavailable: int []
-price:int []
-orderedquantity:int []

+add ()
+remove ()

0..*

3) OBJECT DIAGRAM

U1: Customer
Email:xyz@gmail.com
Username:X_yz
Password:Xyz@123
PhoneNo.-9123456780
Address:QPet,Guntur

U2:Farmer
Email:abc@gmail.com
Username:A_bc
Password:Abc@204
PhoneNo:9012345678
Address:Rpet,Guntur

P1:Product
ProductID:122klm
ProductName:"Apple"
FarmerName:A_bc
Quantity:1

D1:Debit Card
Card_Number:
10203892389138
ExpDate:12/25
CVV:106

C1:Cart
ProductId:122klm
Price:120
Quantity:1

P1:Payment
PaymentMethod: "Debit card"

O1:Order
OrderID:123PQr
Date:22-11-20
CustomerName:XYZ
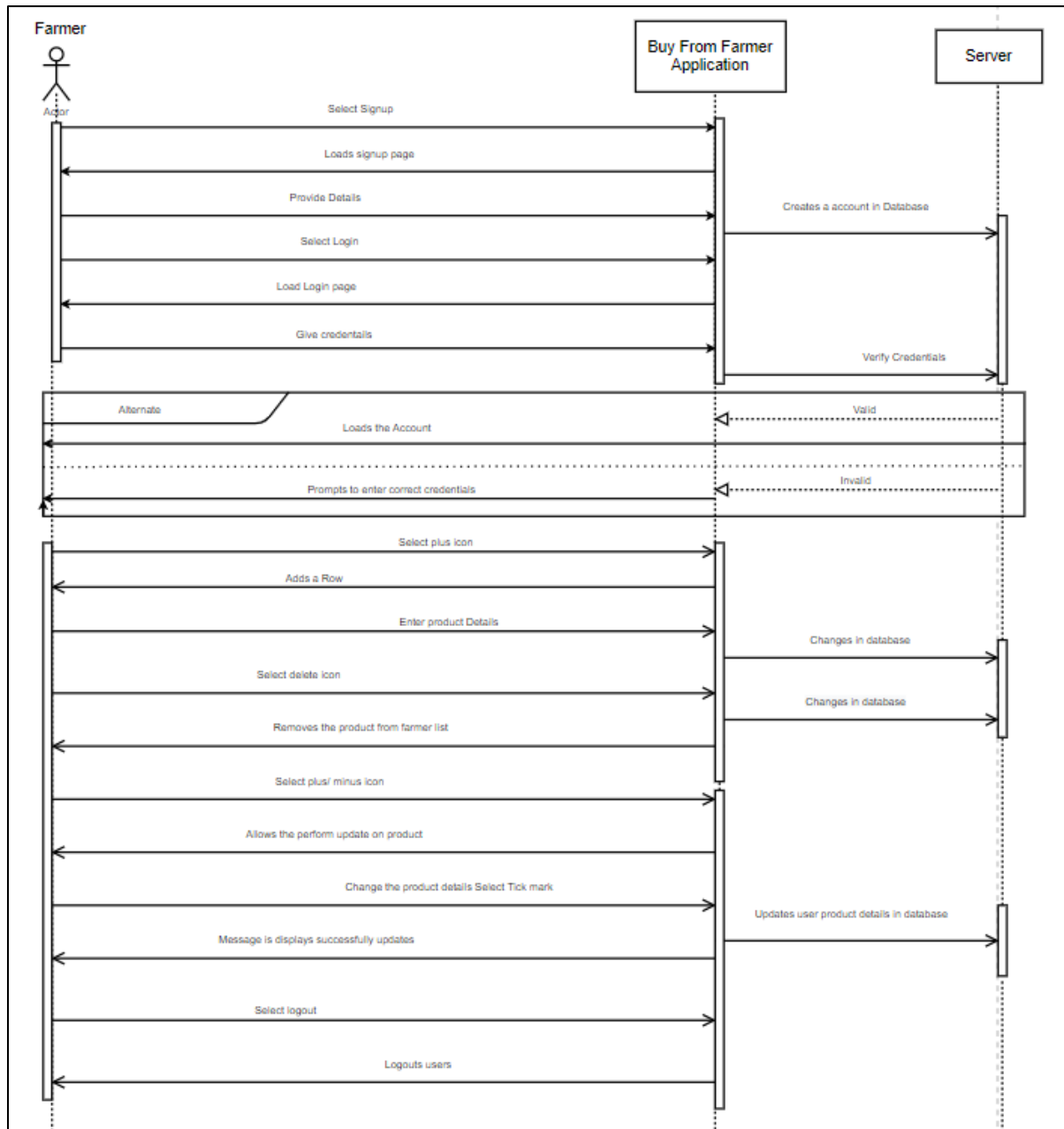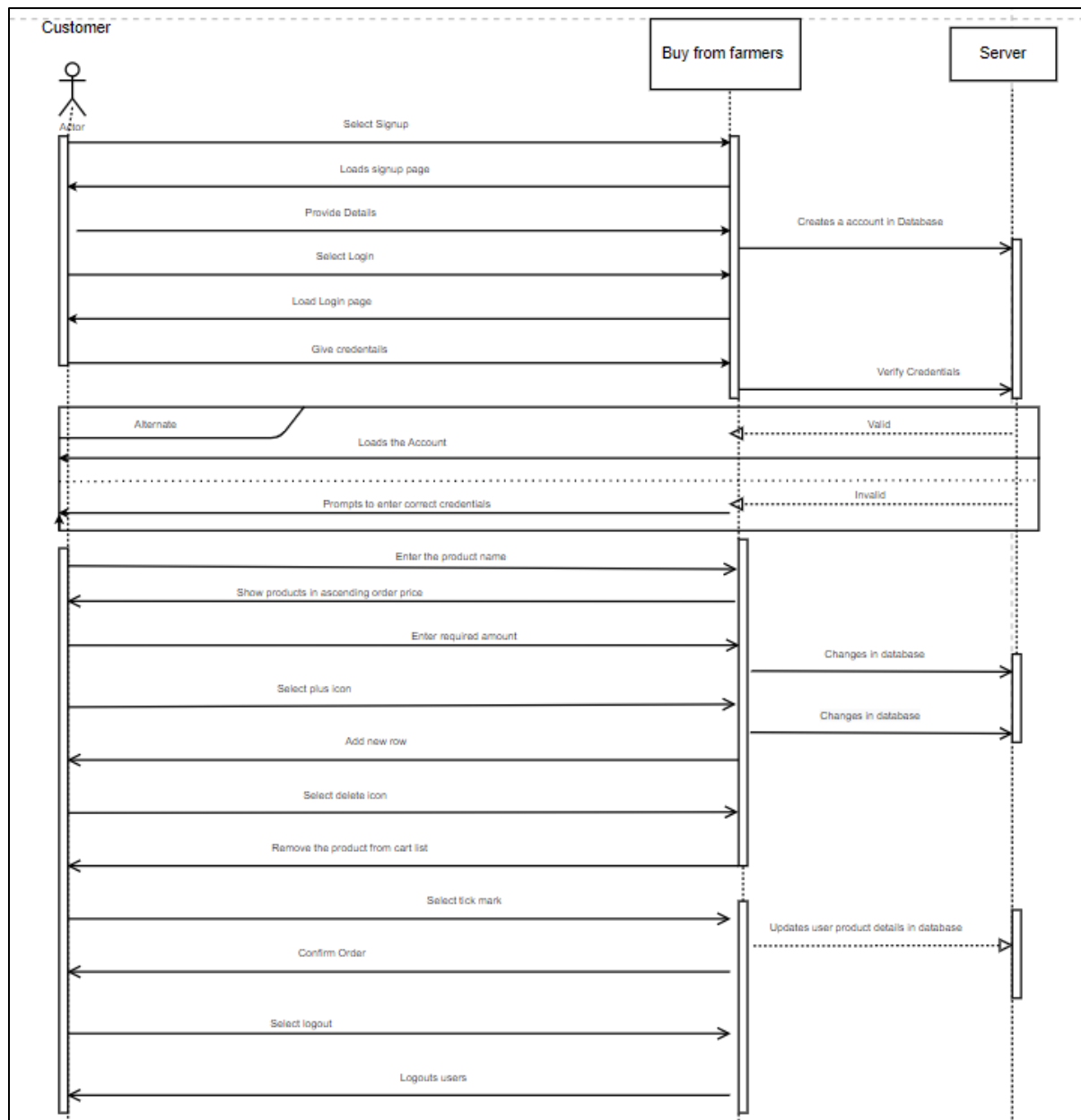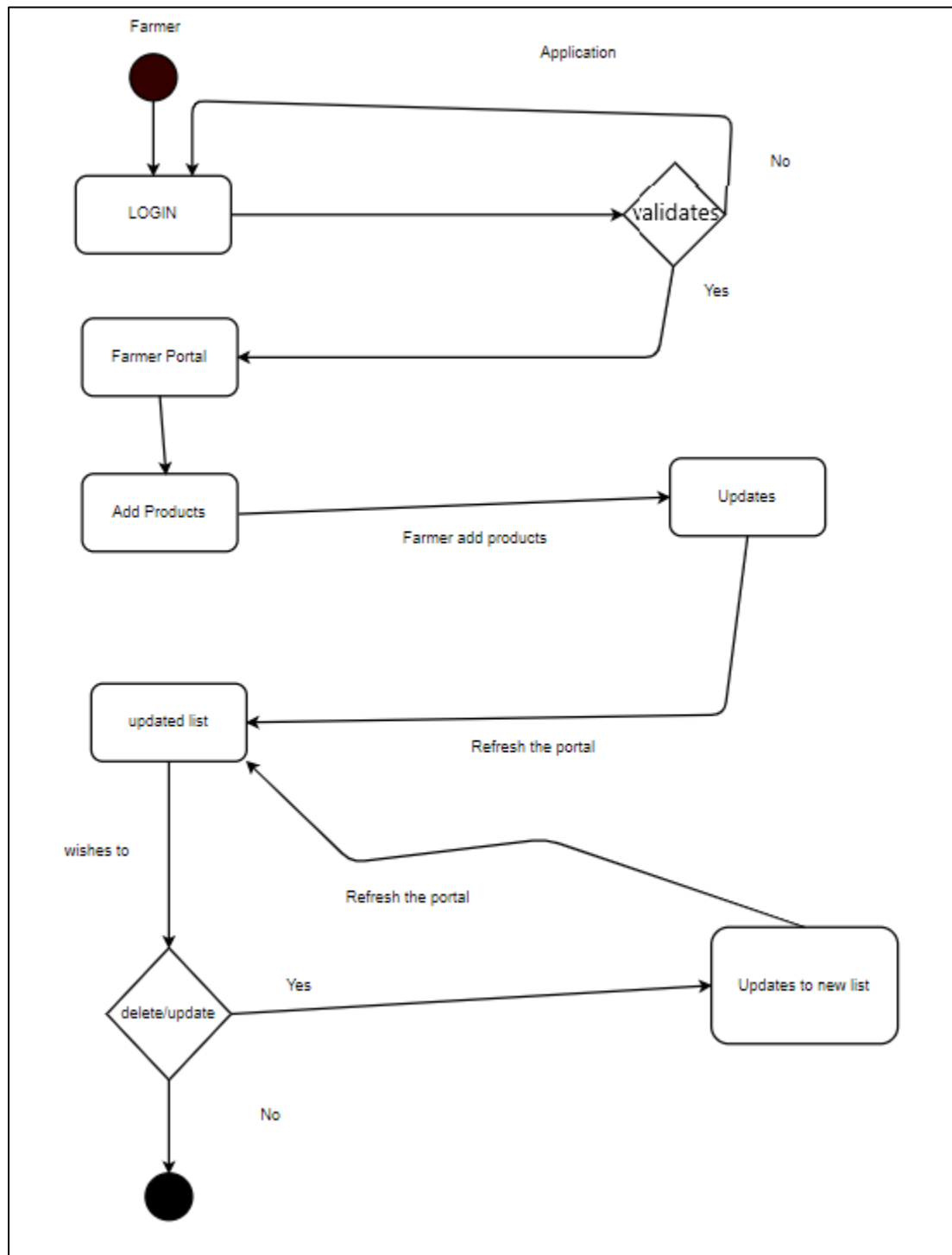Status:"Successful"

4) PACKAGE DIAGRAM

5) COLLABORATION DIAGRAM
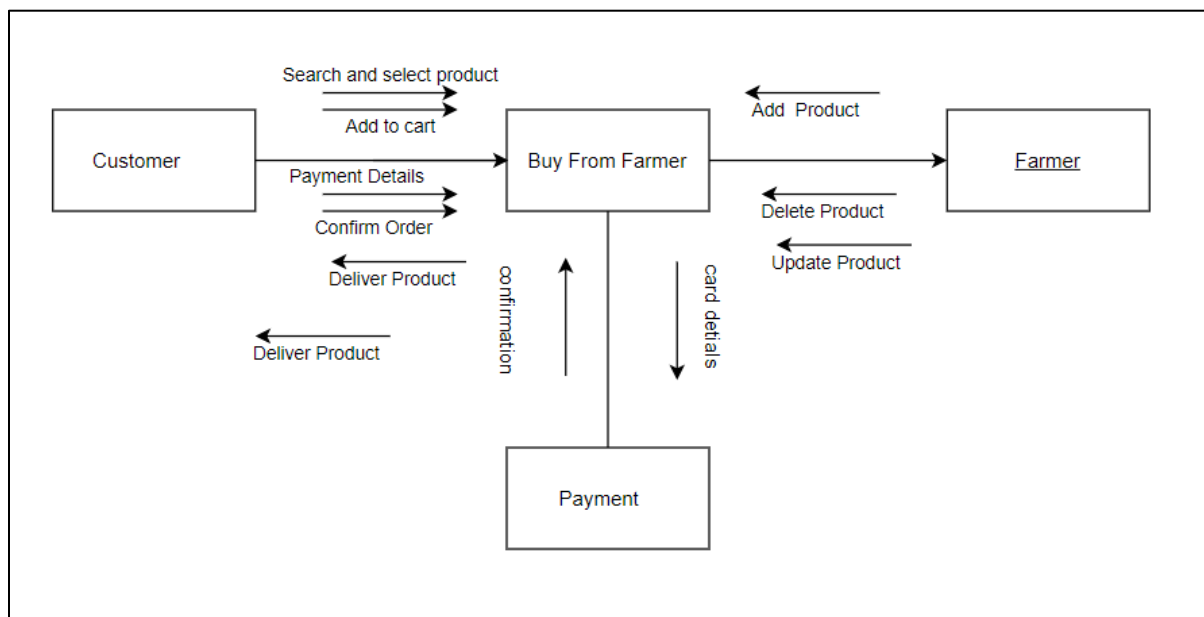
6) A) SEQUENCE DIAGRAM FOR FARMER AND THE APPLICATION

6) B) SEQUENCE DIAGRAM FOR CUSTOMER AND THE APPLICATION

Customer

Buy from farmers

Server

Actor

Select Signup

Loads signup page

Provide Details

Creates a account in Database

Select Login

Load Login page

Give credentails

Verify Credentials

Alternate

Valid

Loads the Account

Invalid

Prompts to enter correct credentials

Enter the product name

Show products in ascending order price

Enter required amount

Changes in database

Select plus icon

Changes in database

Add new row

Select delete icon

Remove the product from cart list

Select tick mark

Updates user product details in database

Confirm Order

Select logout

Logouts users

7) A) ACTIVITY DIAGRAM FOR FARMER AND APPLICATION

7) B) ACTIVITY DIAGRAM FOR CUSTOMER AND APPLICATION

Customers

LOGIN

Validates

No

Yes

Requests for products

Handels request

give's requested product details

Pre-booking

Places order

Add to Cart

Yes

Order cancellation

No

COD

Products Delivery

Logout
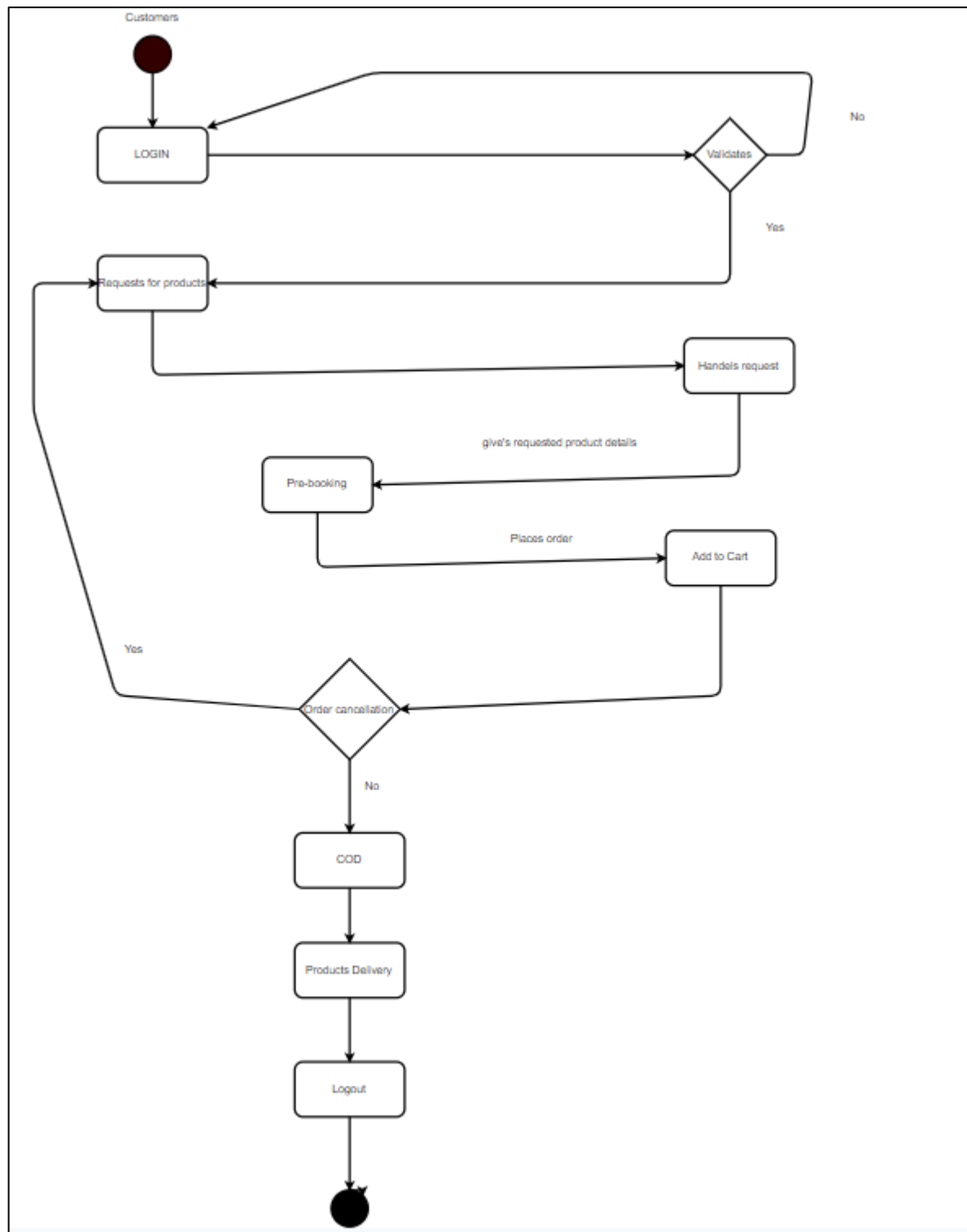
8) A) STATE CHART DIAGRAM FOR CUSTOMER

Customer

Login

Wrong Credentials

successful login

Checks for Products

Handling request

Adds more Products

Gives required product details

Books the product

Adds to cart

Places order

Products delivery

logout
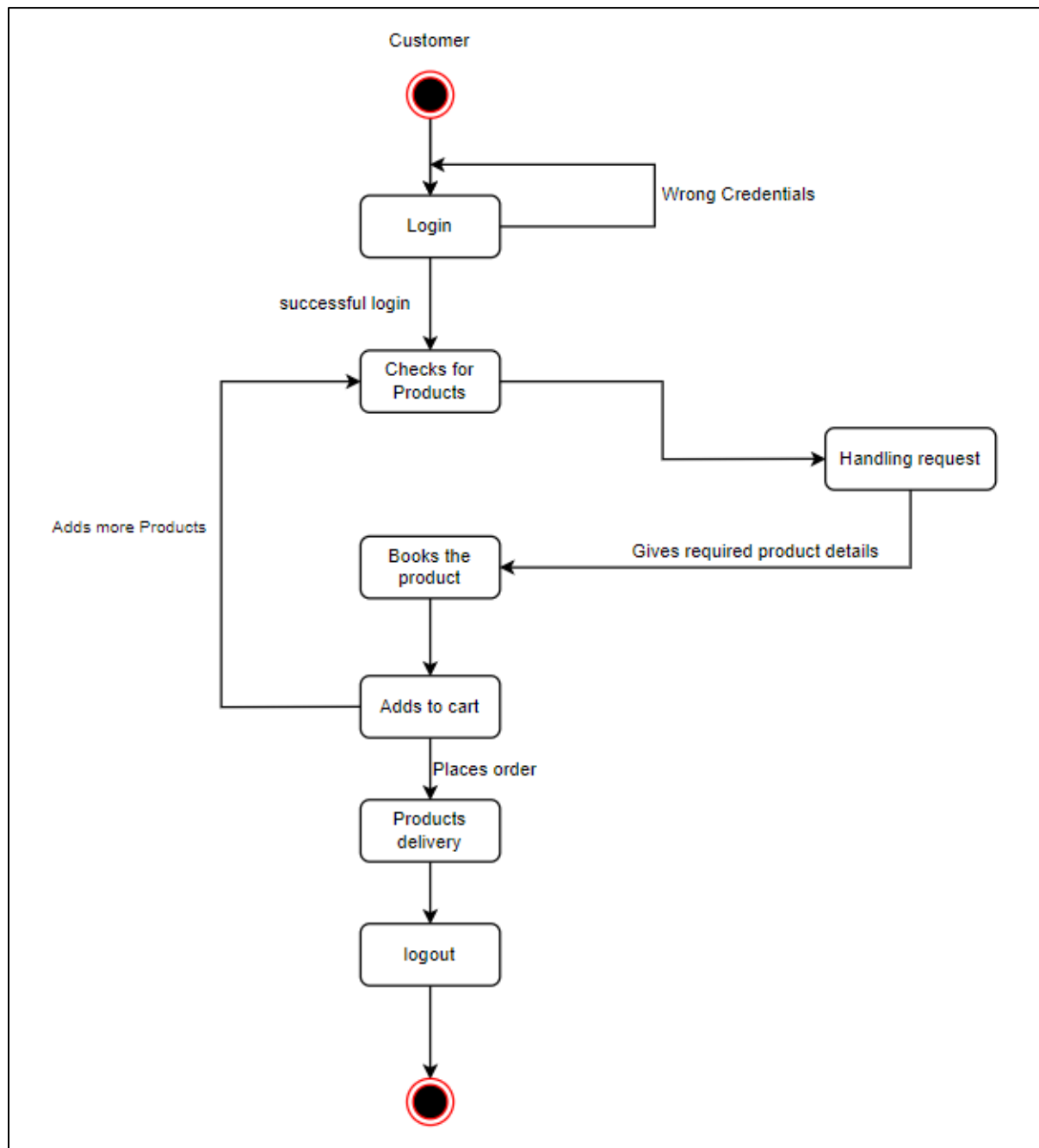
8) B) STATE CHART DIAGRAM FOR FARMER