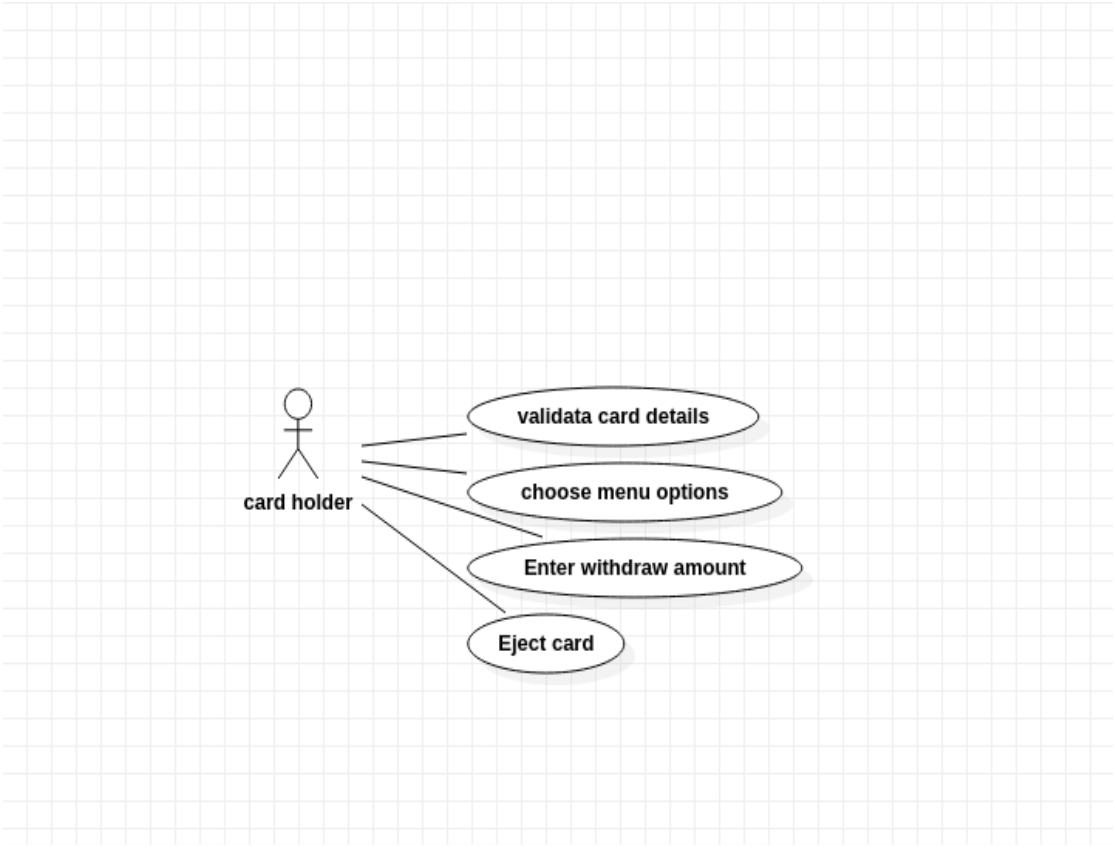
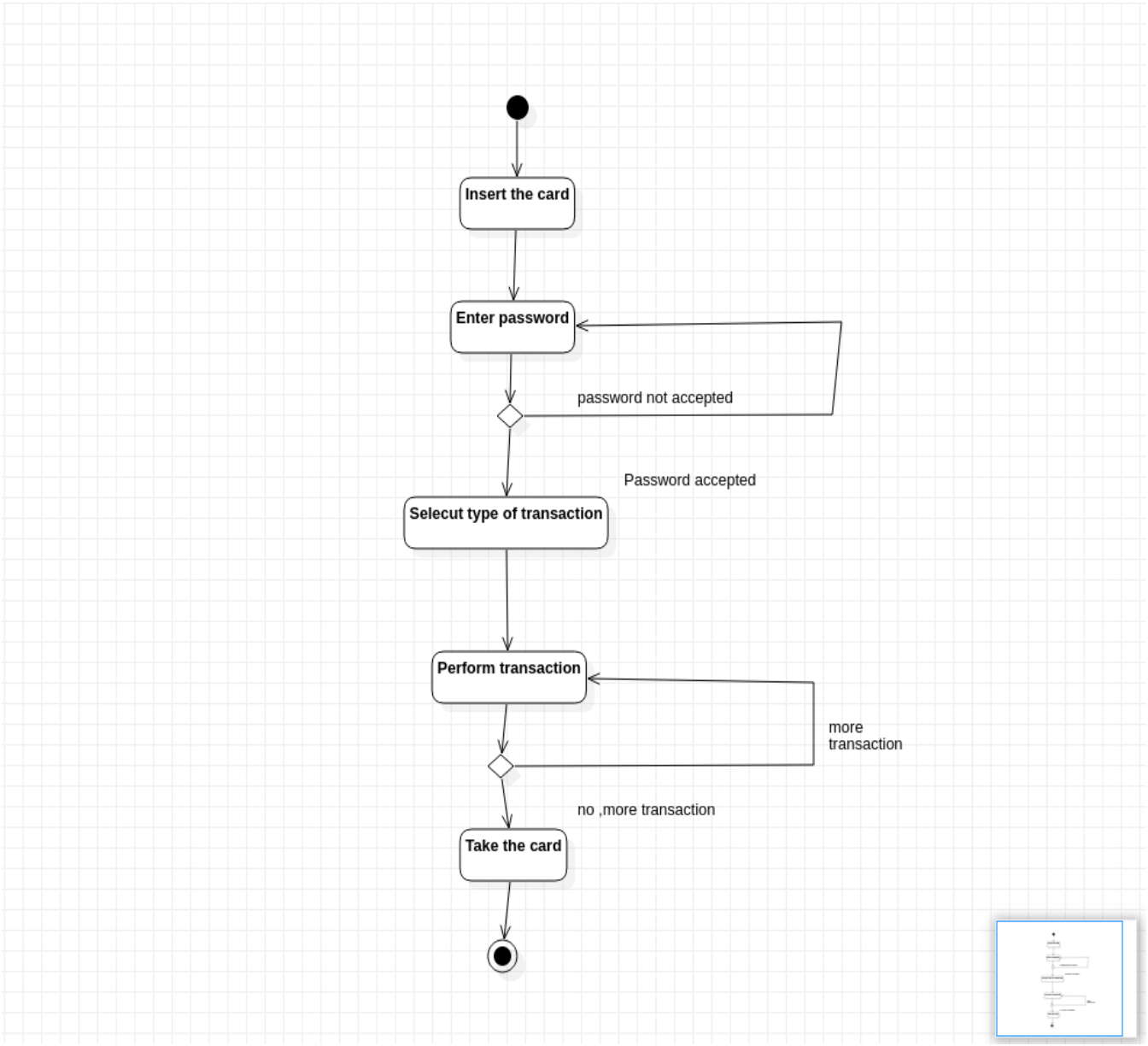
Project 1:

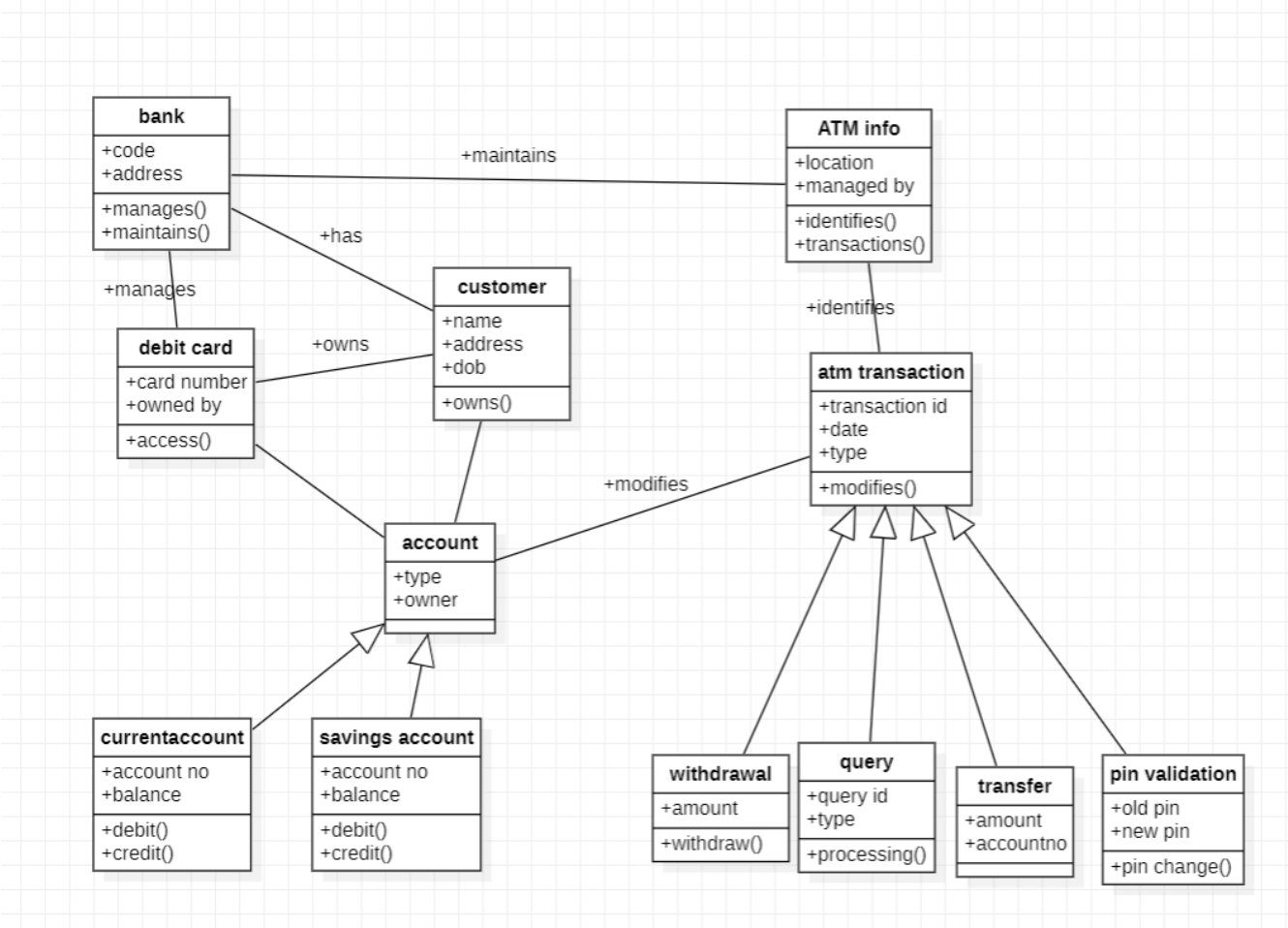
Atm Transaction:



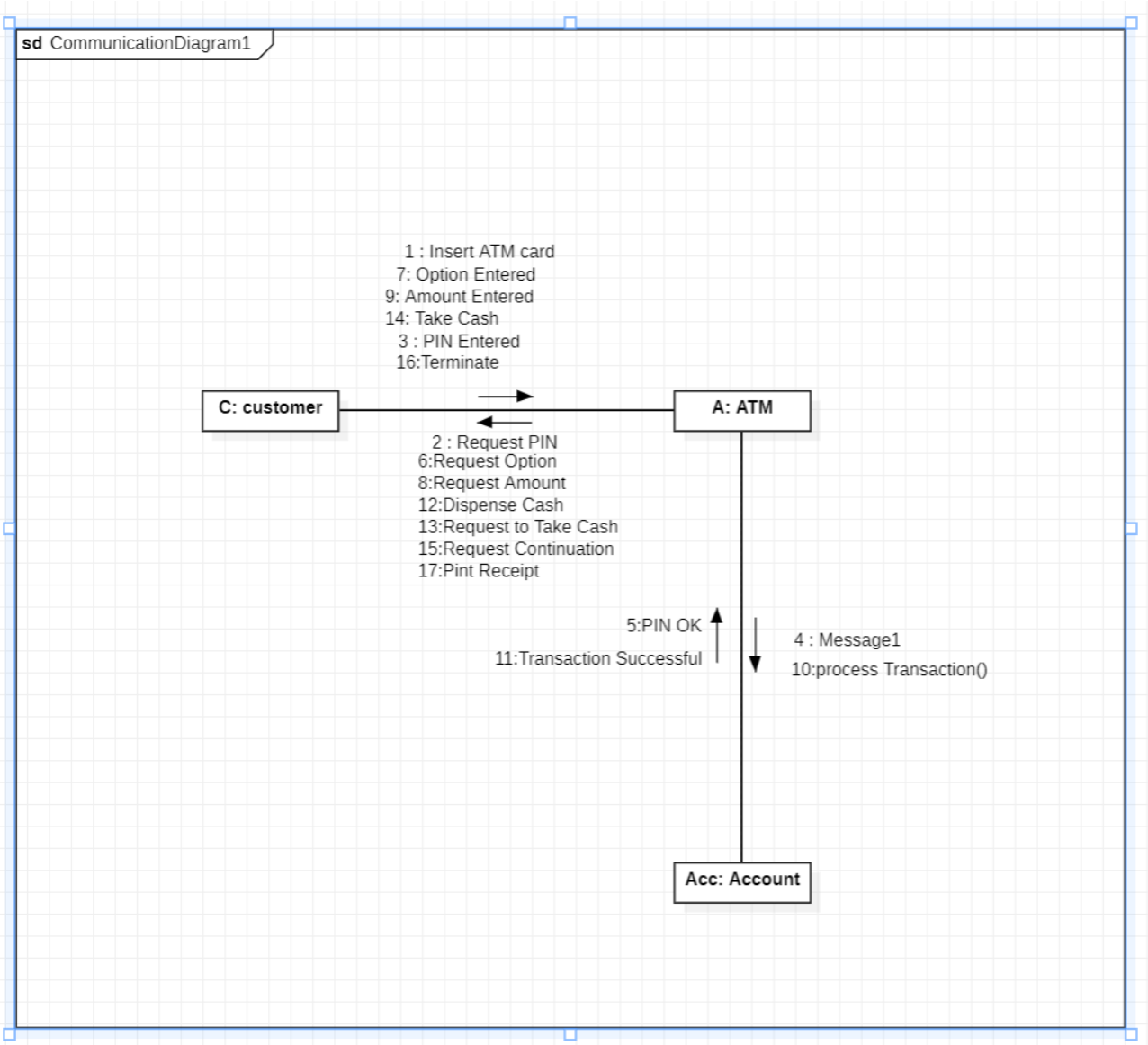
ATM Activity :



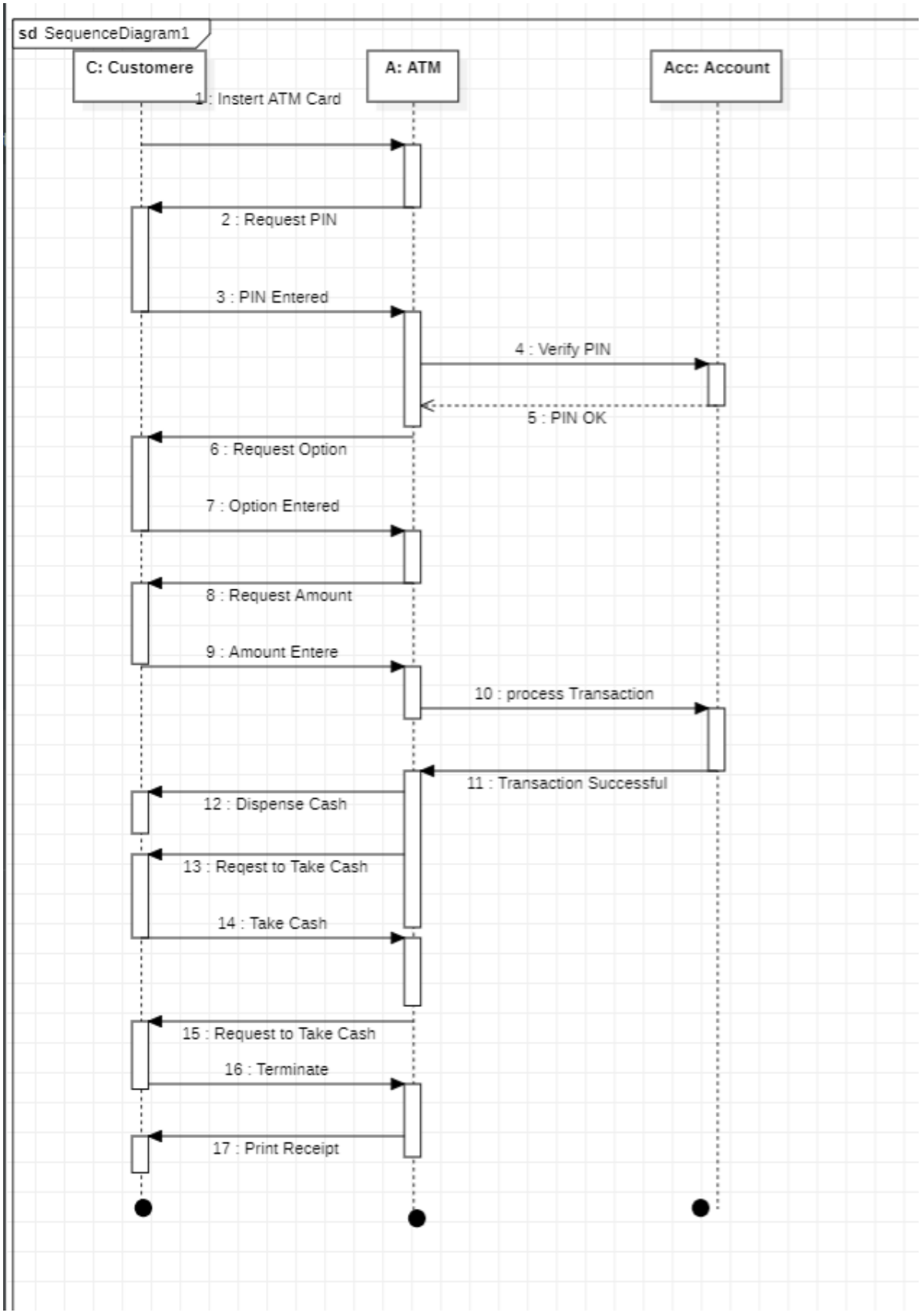
Class :


bank
+code
+address
+manages()
+maintains()
+maintains
ATM info
+location
+managed by
+identifies()
+transactions()
+has
+manages
customer
+name
+address
+dob
+owns()
+identifies
debit card
+card number
+owned by
+access()
+owns
atm transaction
+transaction id
+date
+type
+modifies()
+modifies
account
+type
+owner
currentaccount
+account no
+balance
+debit()
+credit()
savings account
+account no
+balance
+debit()
+credit()
withdrawal
+amount
+withdraw()
query
+query id
+type
+processing()
transfer
+amount
+accountno
pin validation
+old pin
+new pin
+pin change()

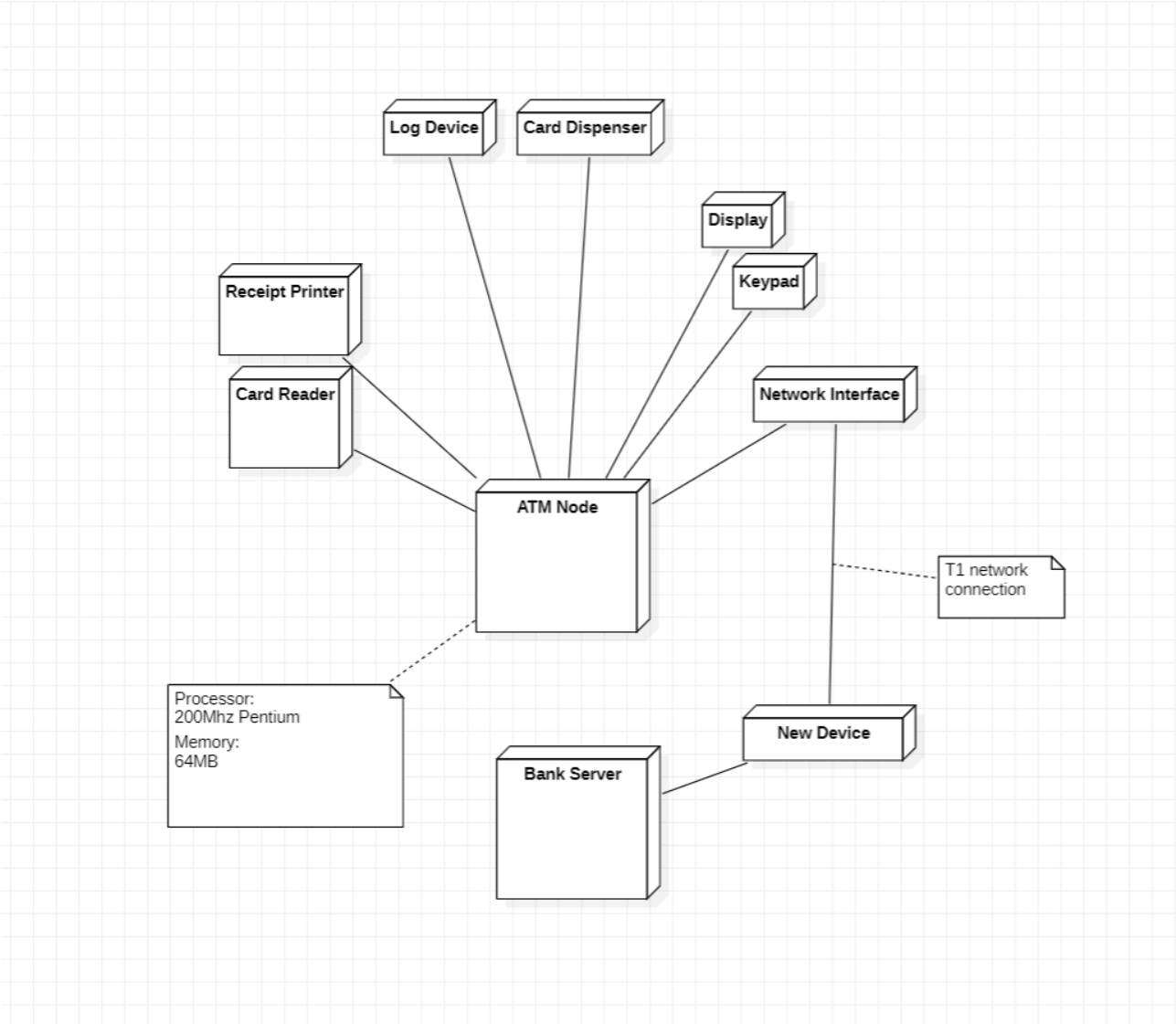
Collaboration (Communitcation Diagram):



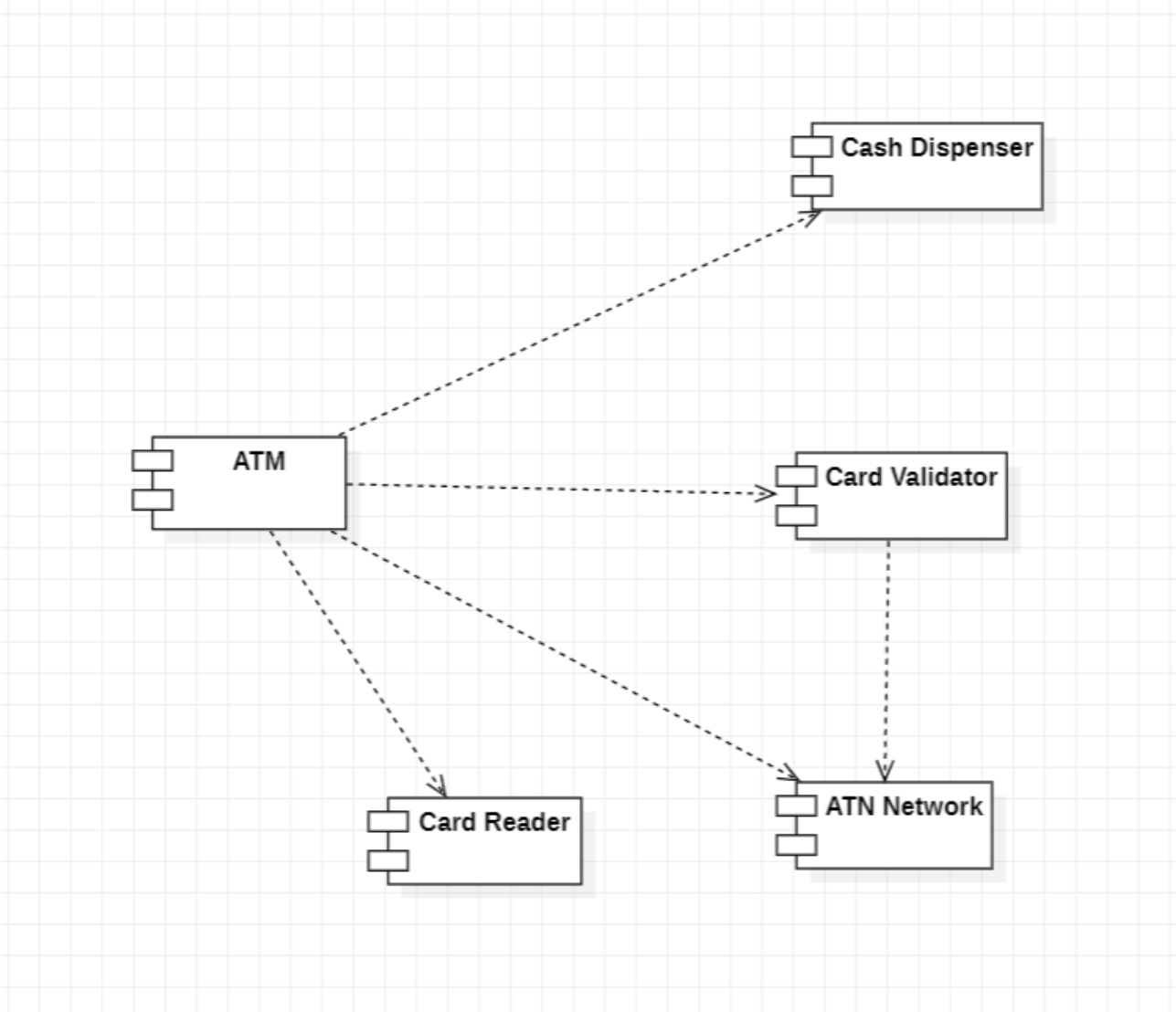
Sequence:


sd SequenceDiagram1
C: Customere
A: ATM
Acc: Account
1 : Instert ATM Card
2 : Request PIN
3 : PIN Entered
4 : Verify PIN
5 : PIN OK
6 : Request Option
7 : Option Entered
8 : Request Amount
9 : Amount Entere
10 : process Transaction
11 : Transaction Successful
12 : Dispense Cash
13 : Reqest to Take Cash
14 : Take Cash
15 : Request to Take Cash
16 : Terminate
17 : Print Receipt

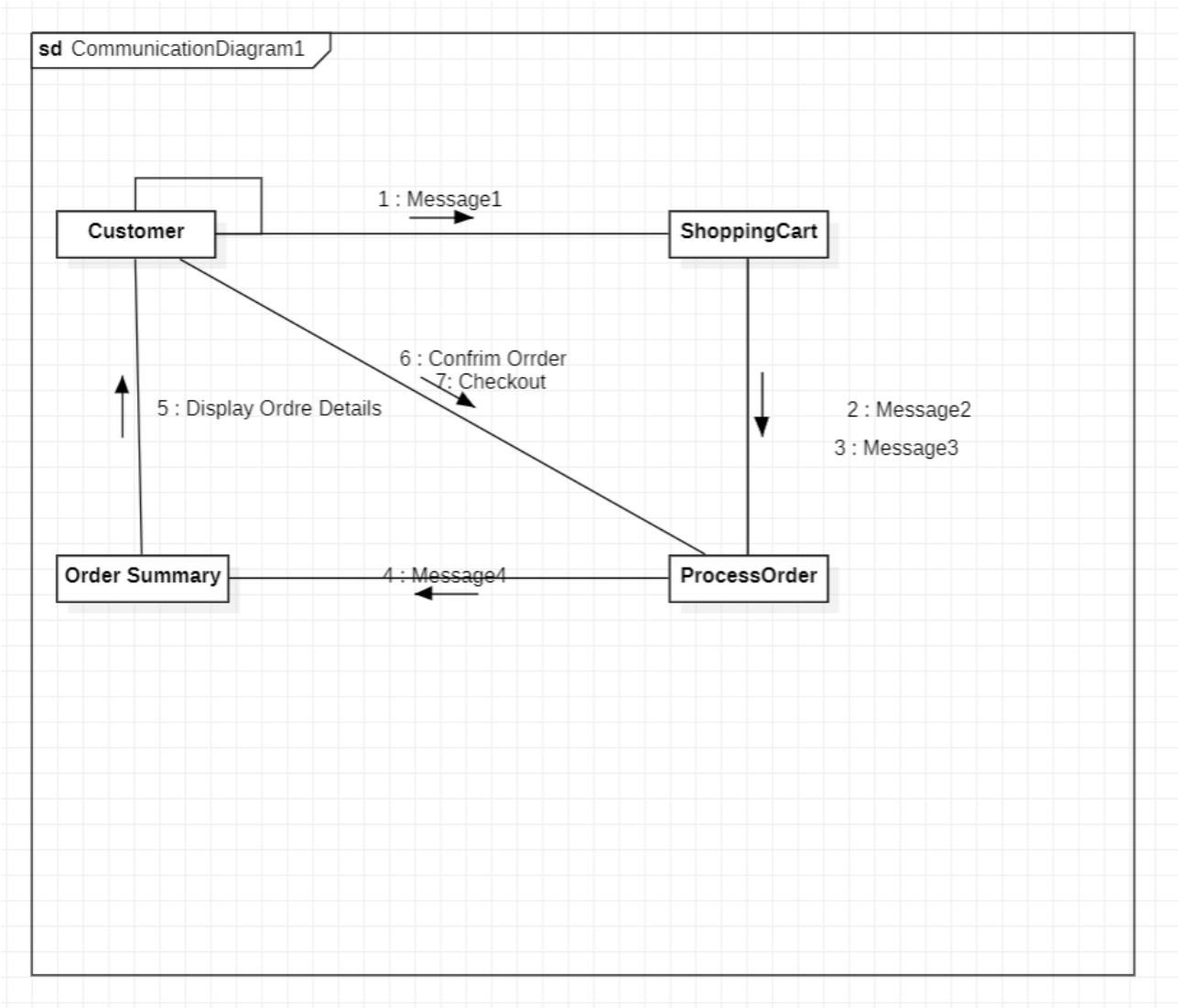
Deployment ATM NODE:



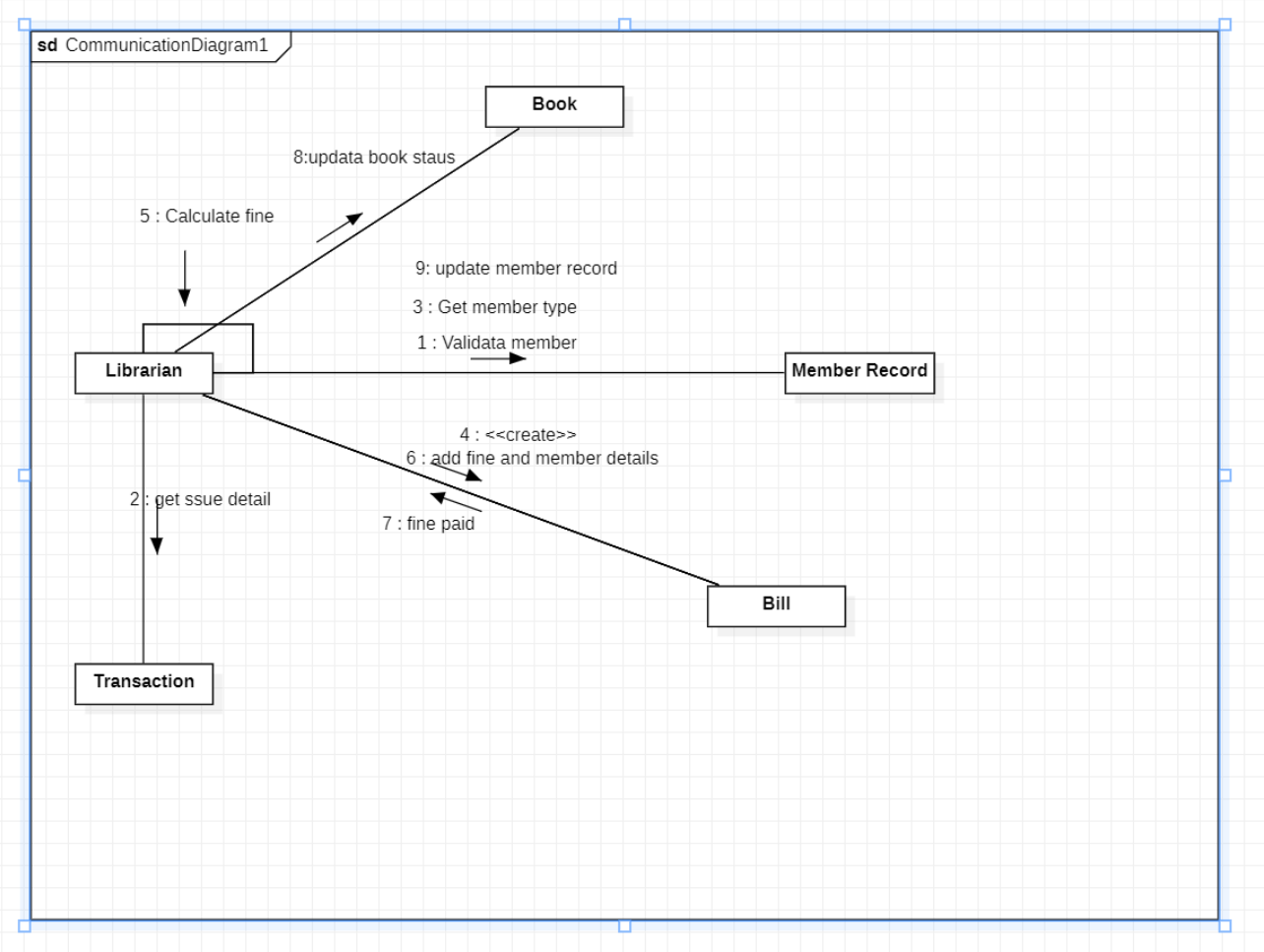
Component of ATM:



Collaboraction Online Customer:

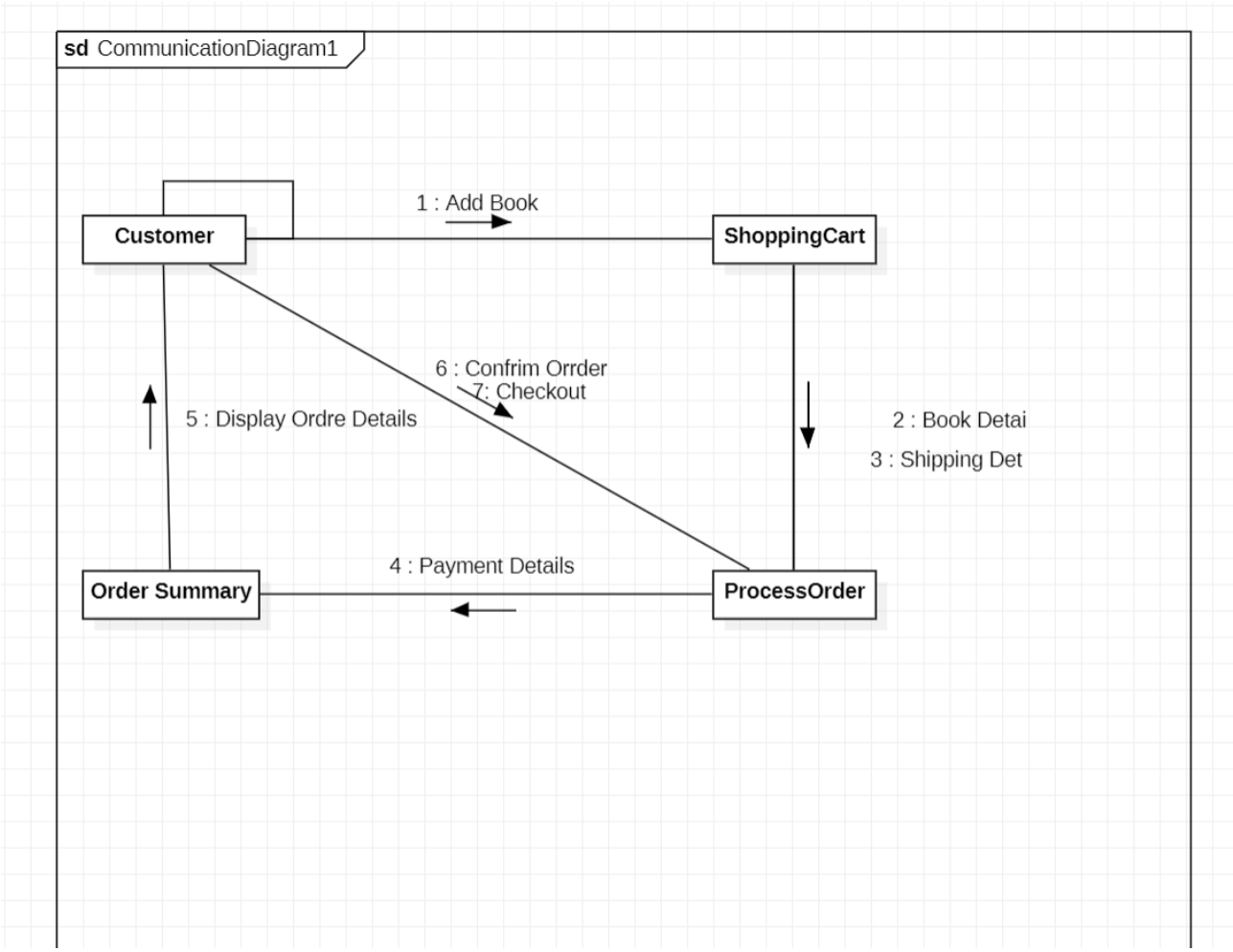


Collaboration Libarian:

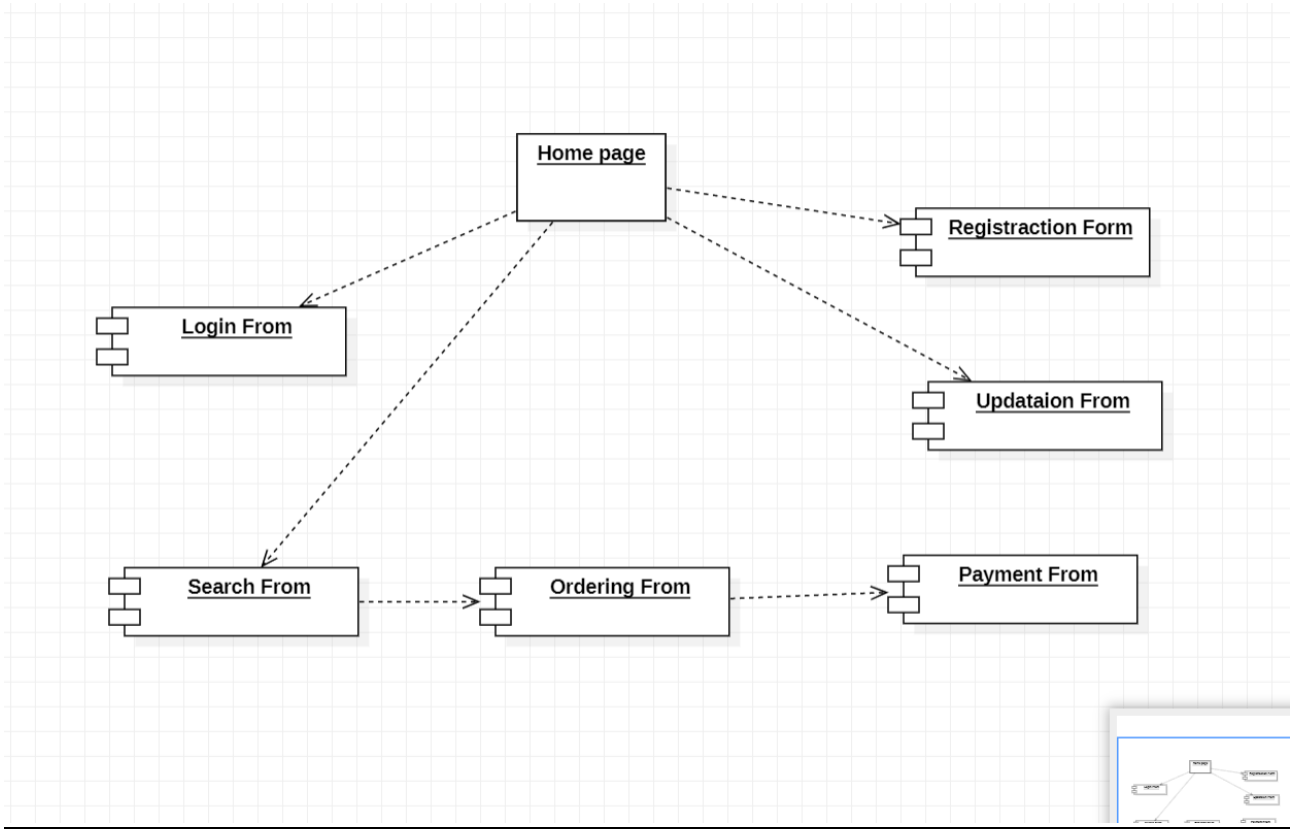


Project 2: Online Shopping

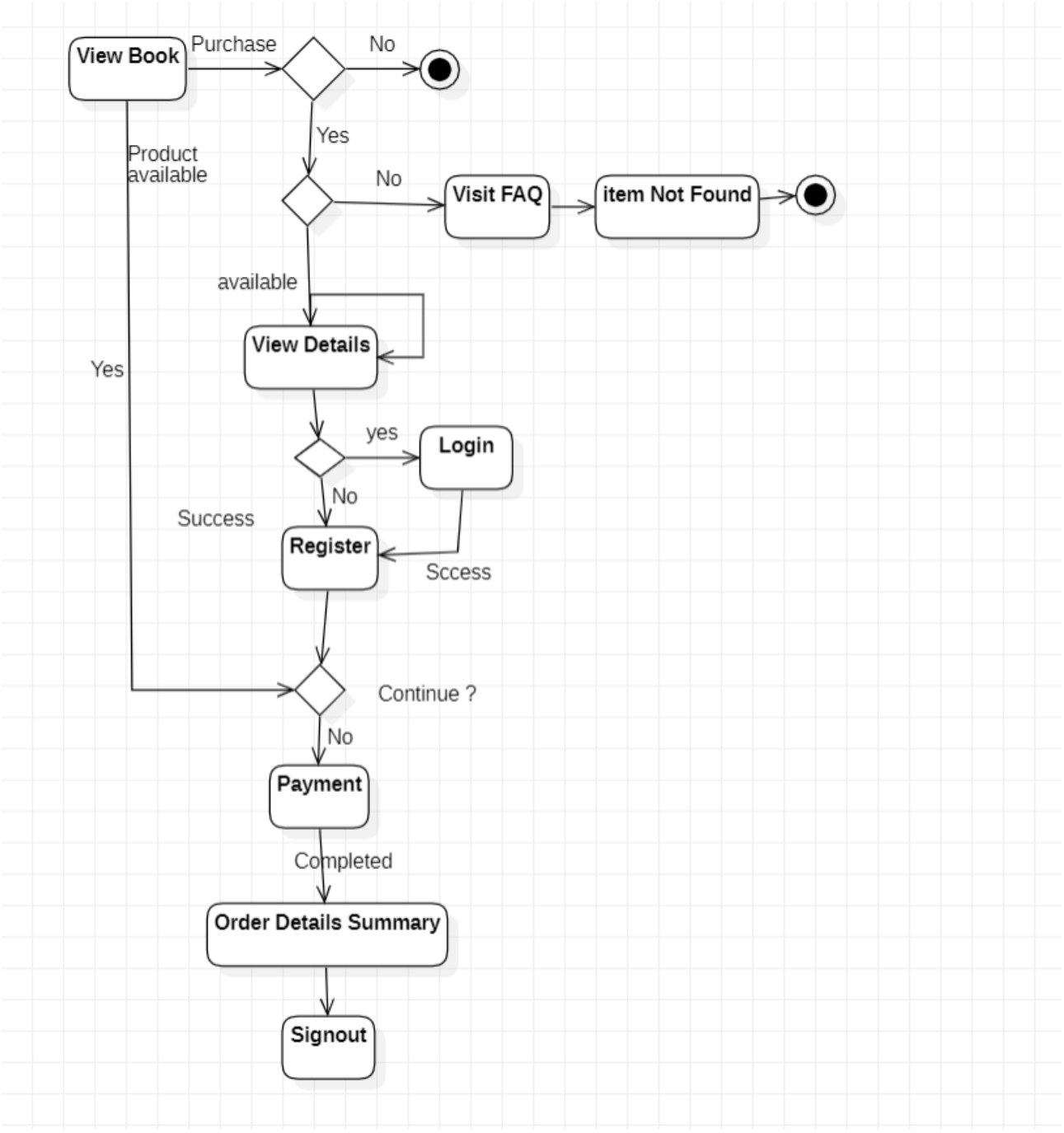
Collabeation Diagram:



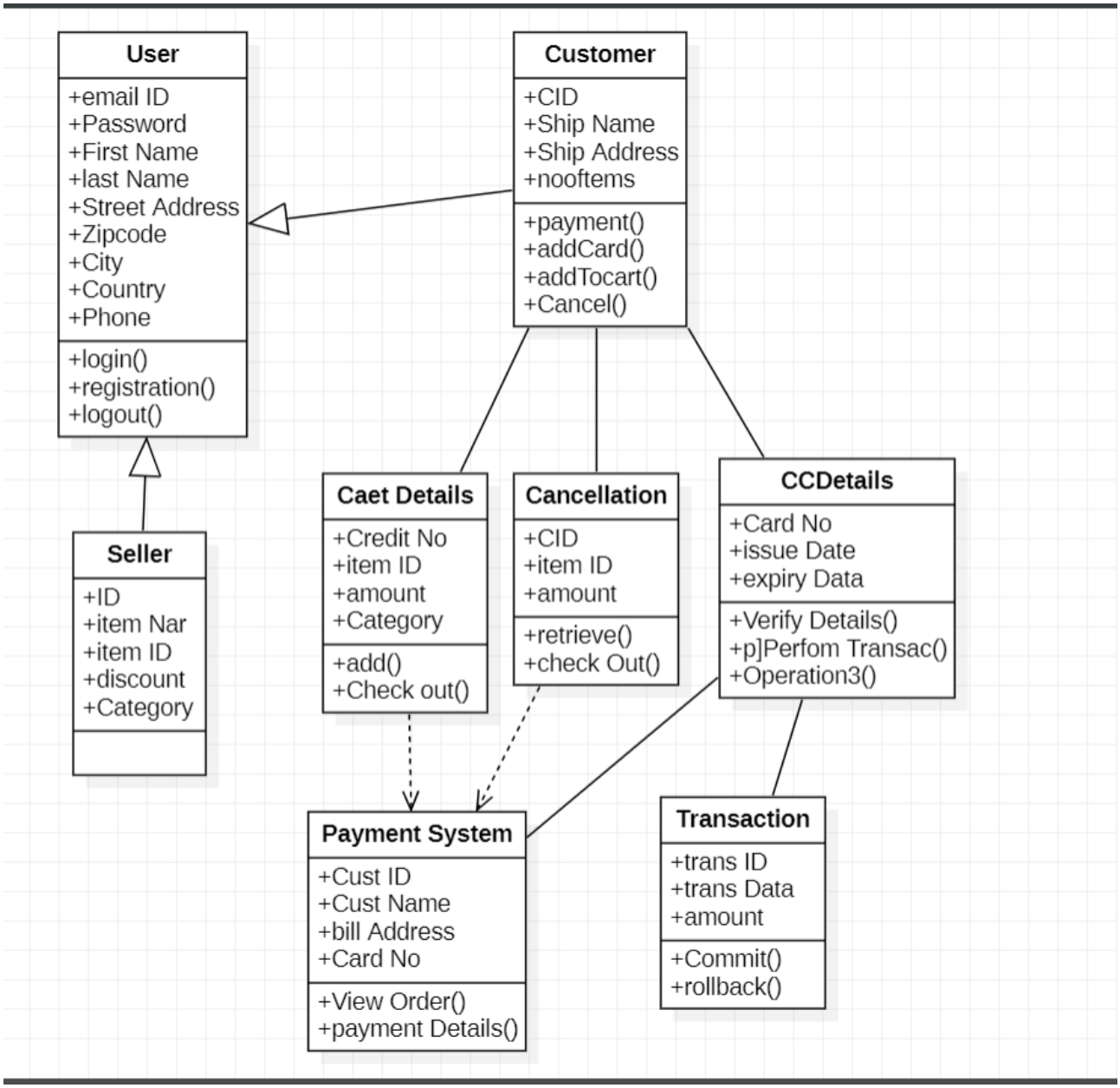
Component Diagram:



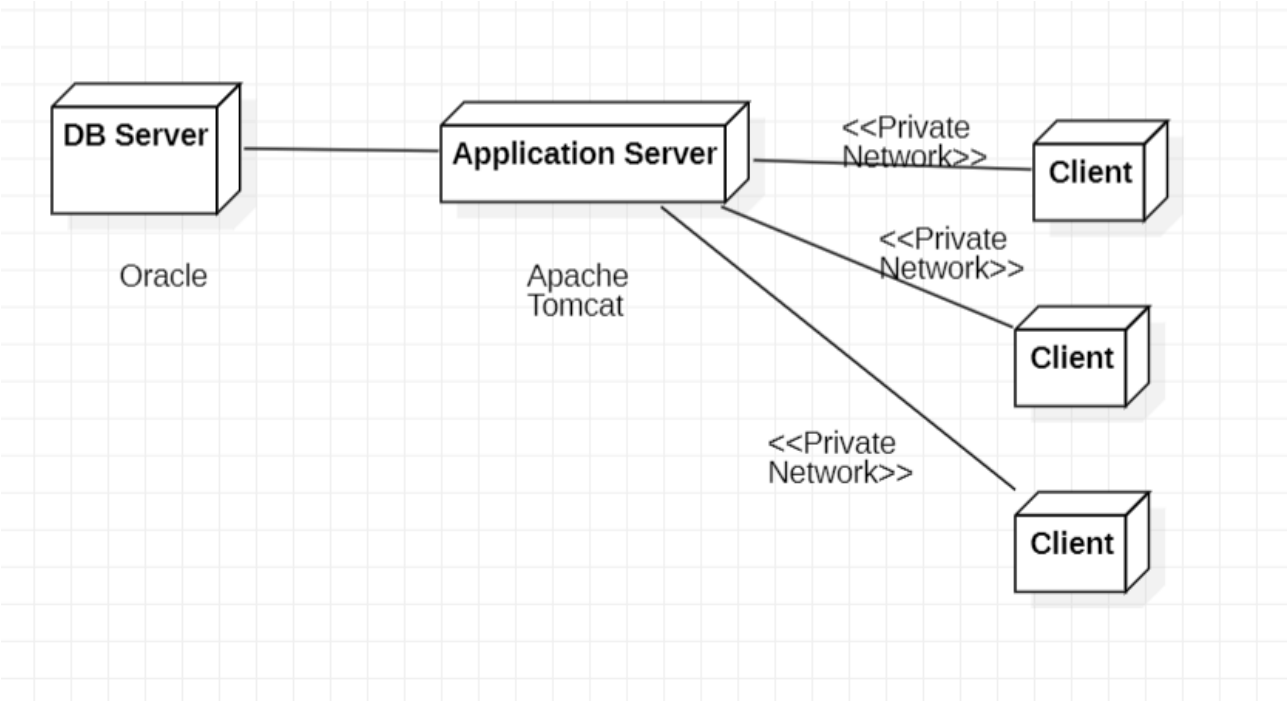
Acitivity Diagram:



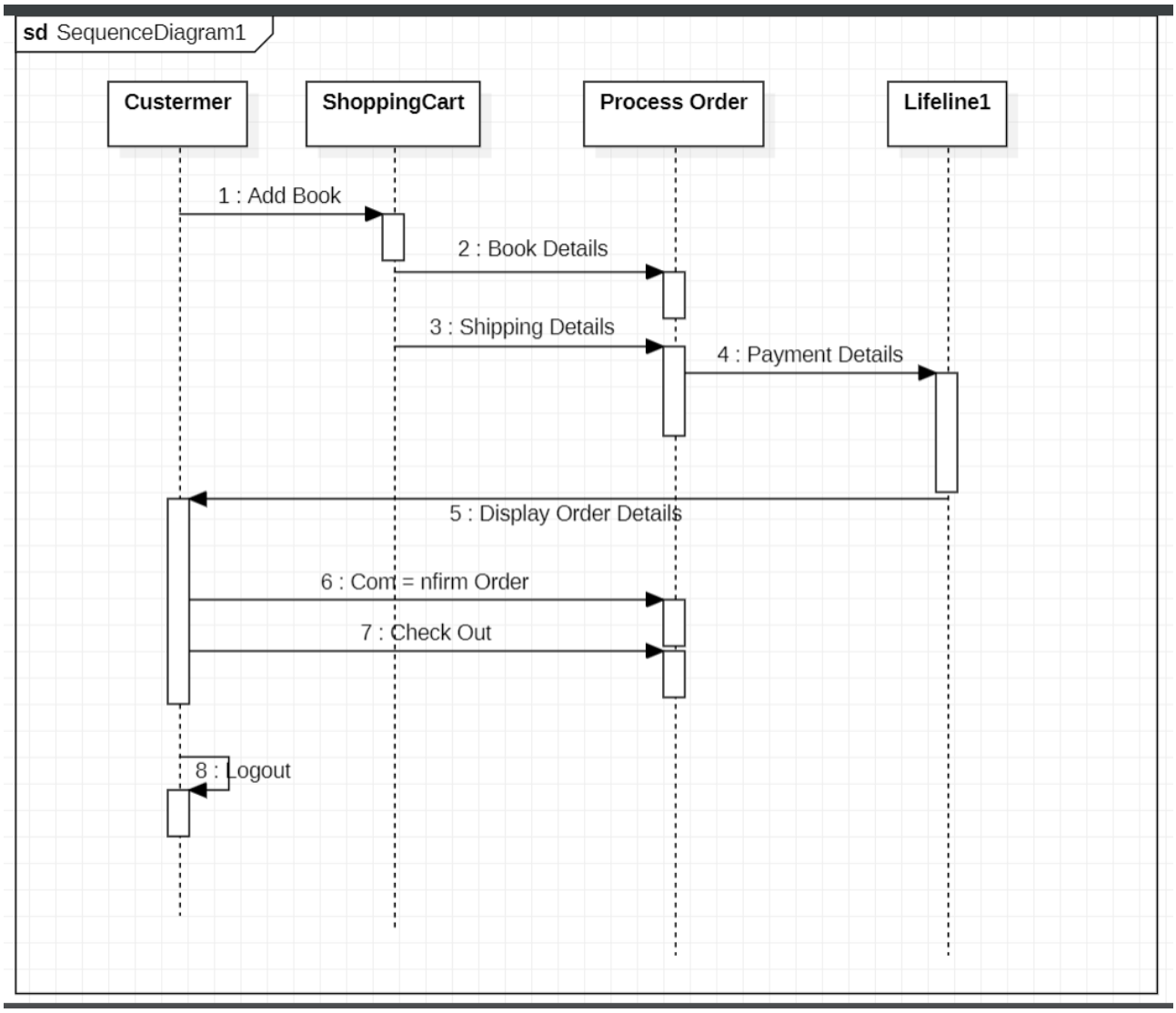
Class Diagram:

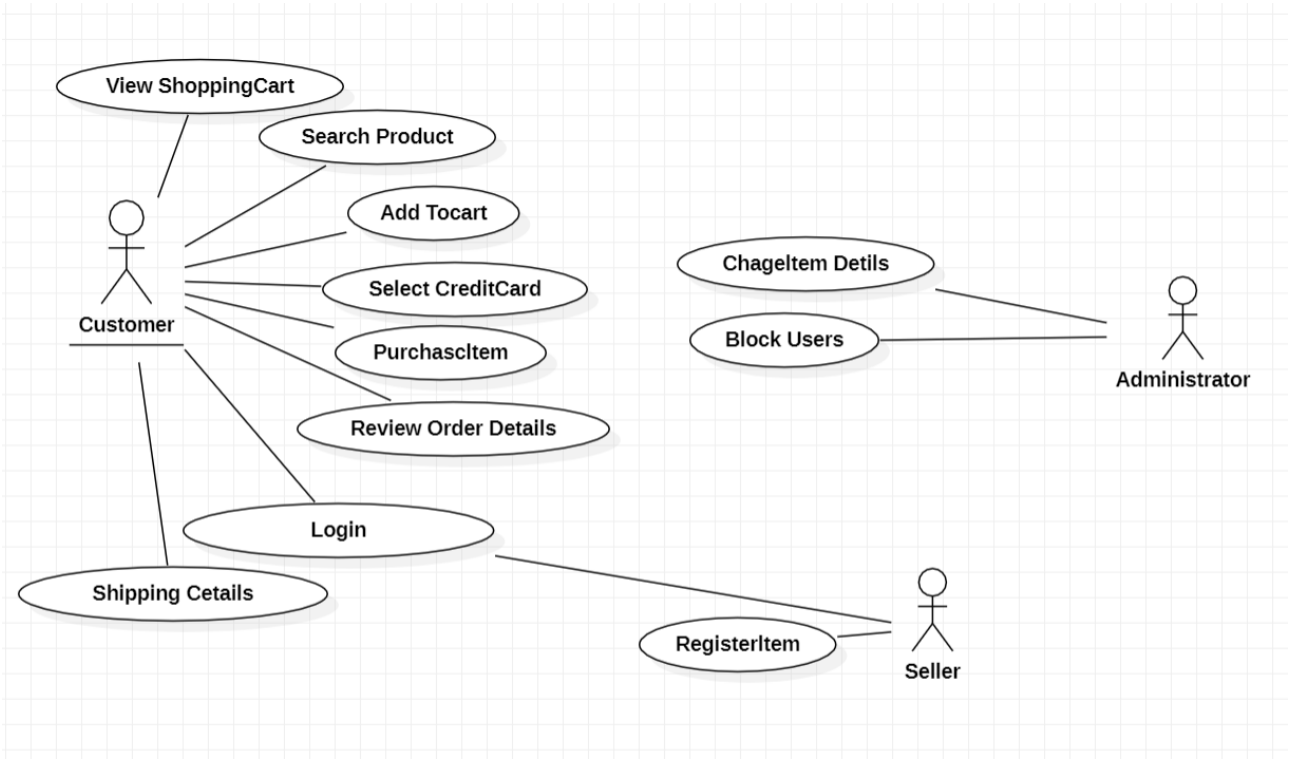


Deployment Diagram:



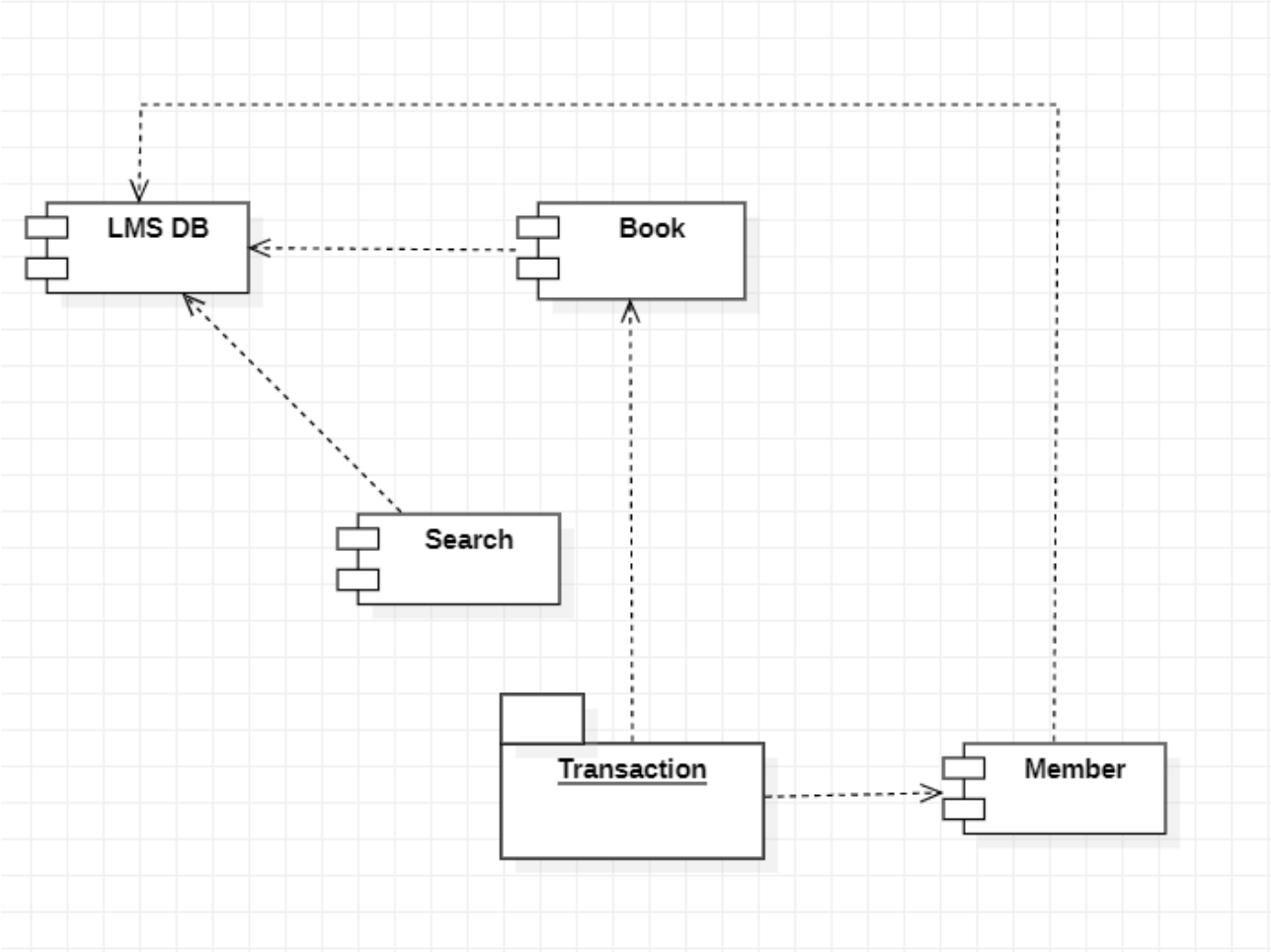
Sequence Diagram:



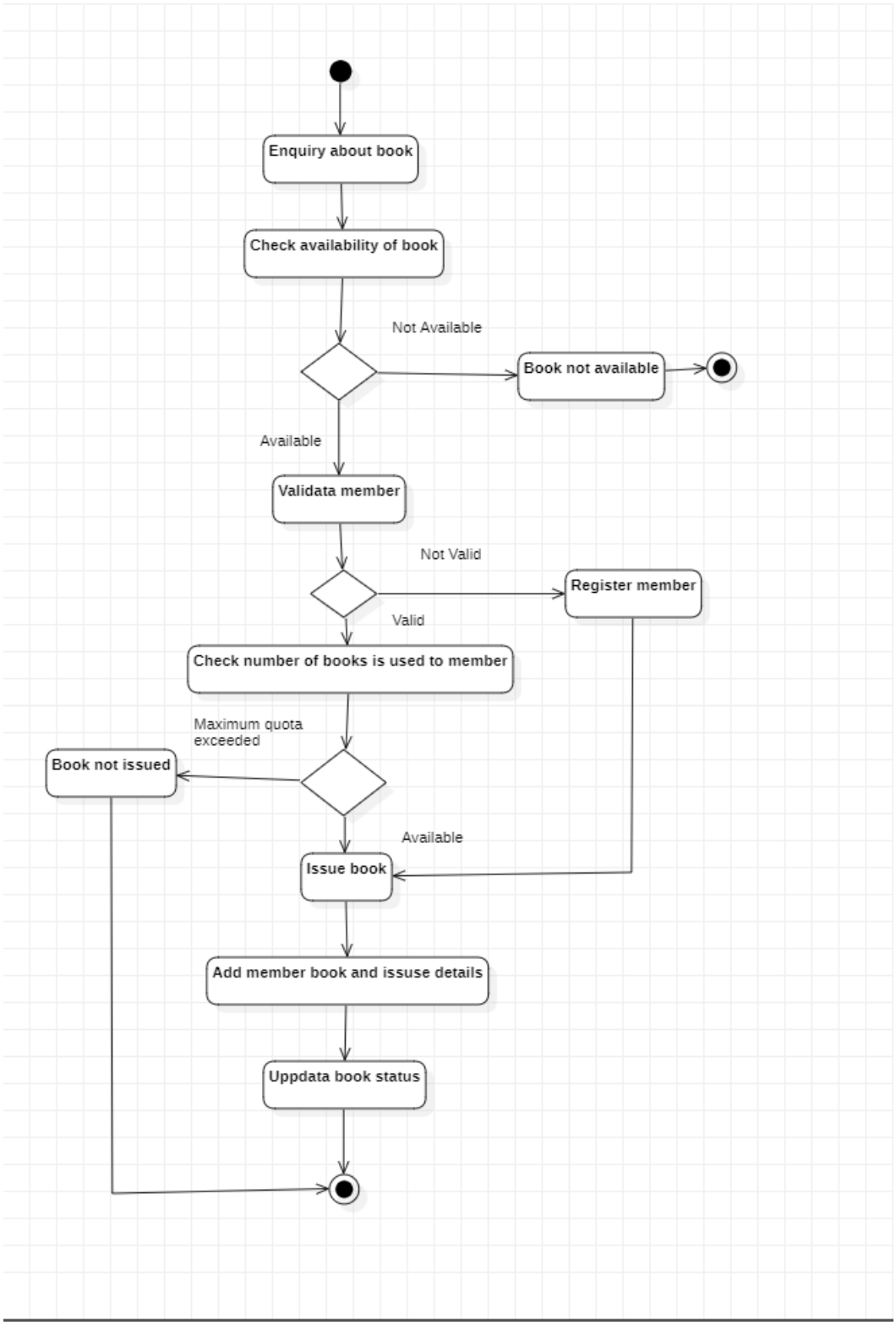

View ShoppingCart
Search Product
Add Tocart
Select CreditCard
PurchascItem
Review Order Details
Customer
Login
Shipping Cetails
ChageItem Detils
Block Users
Administrator
RegisterItem
Seller

Project 3:

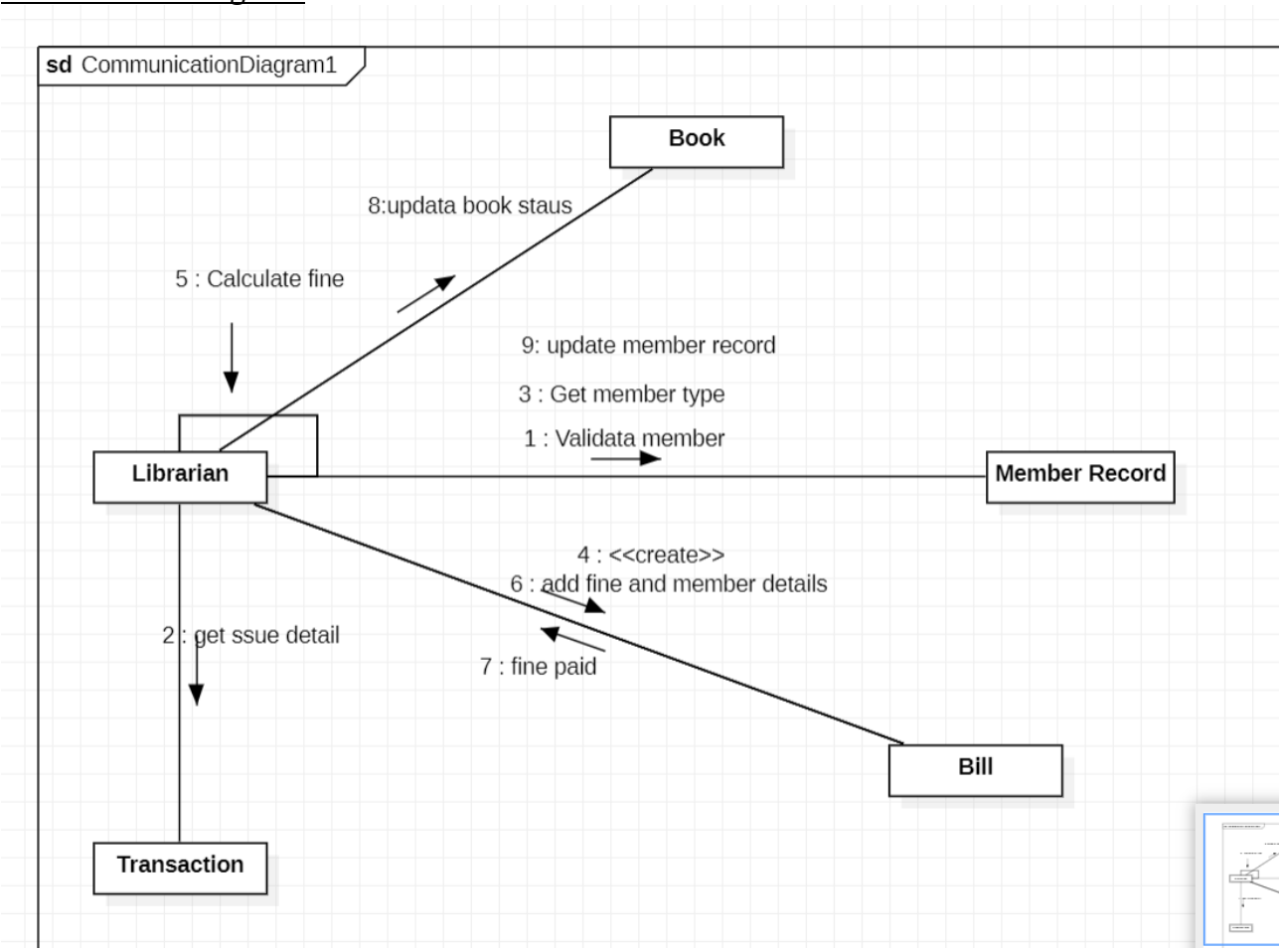
Compnent LMS DB:



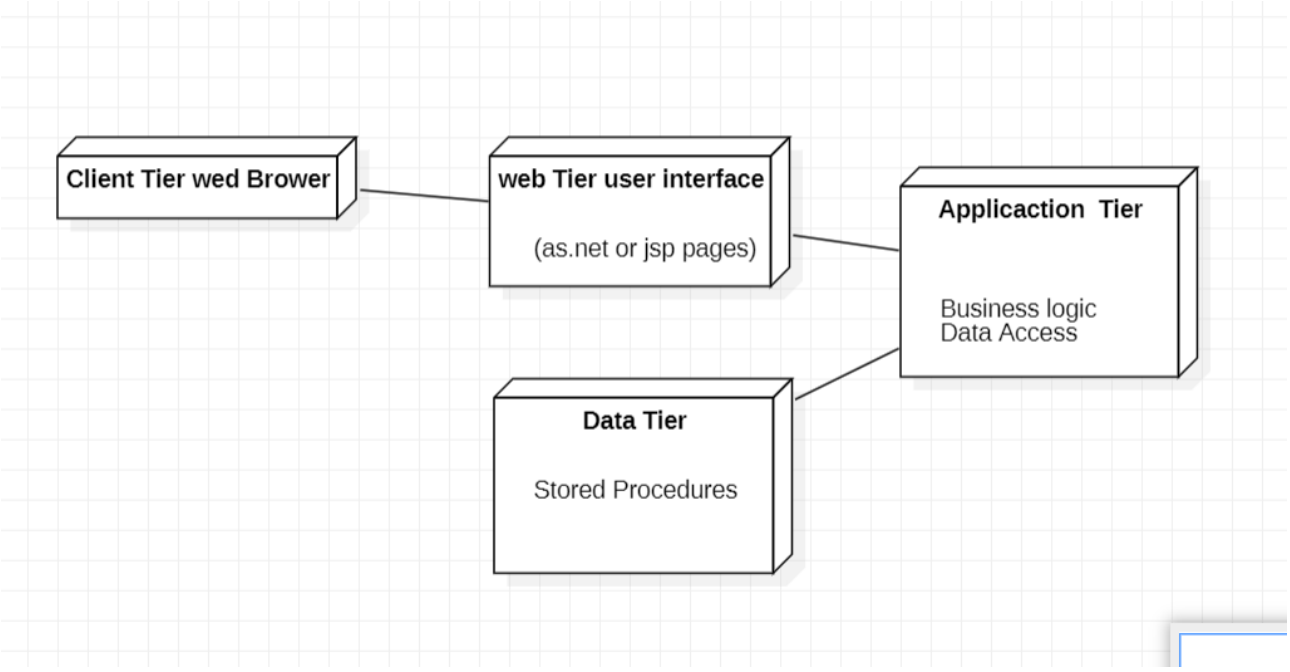
Sequence Diagram:



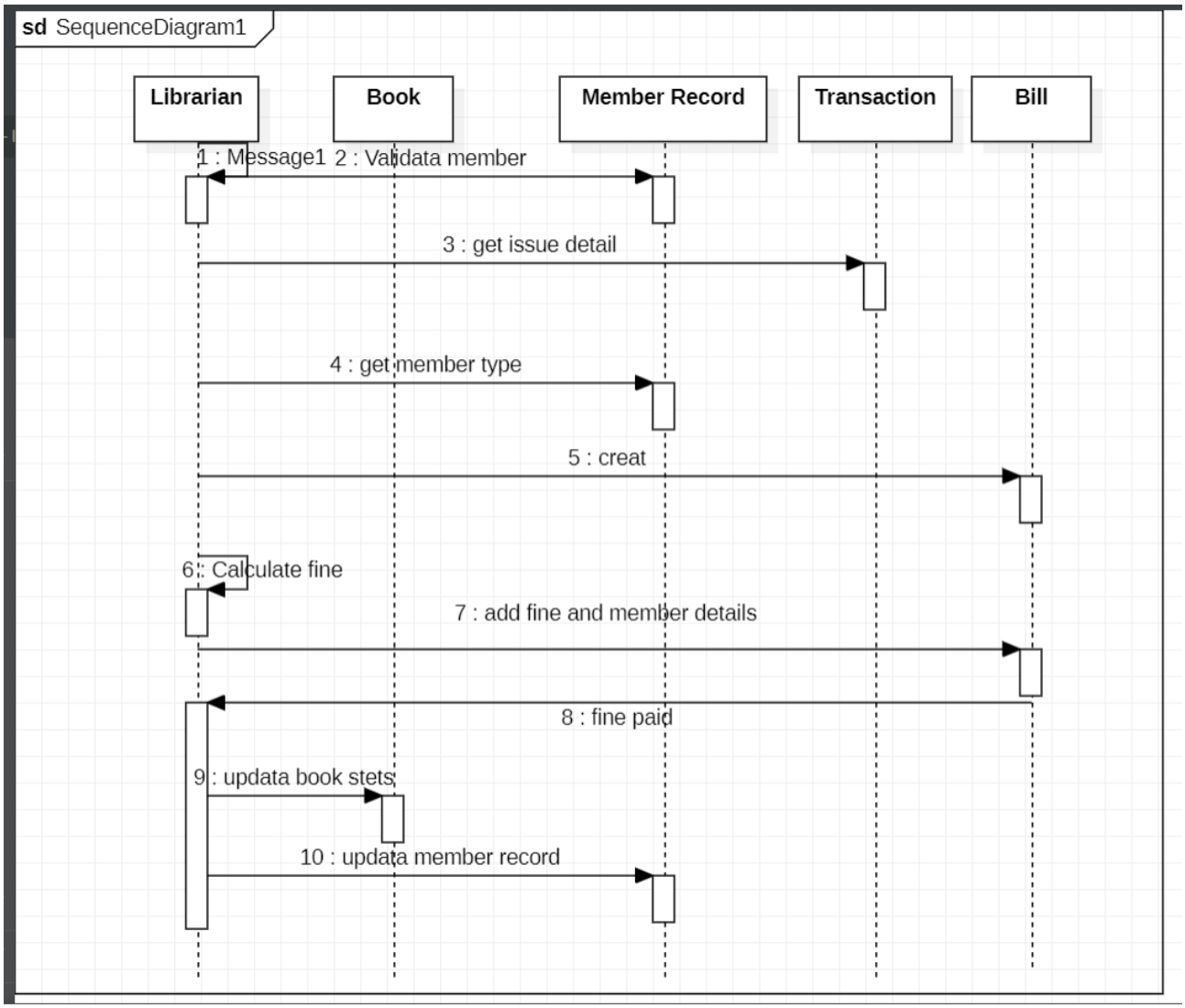
Collaboration Diagram:



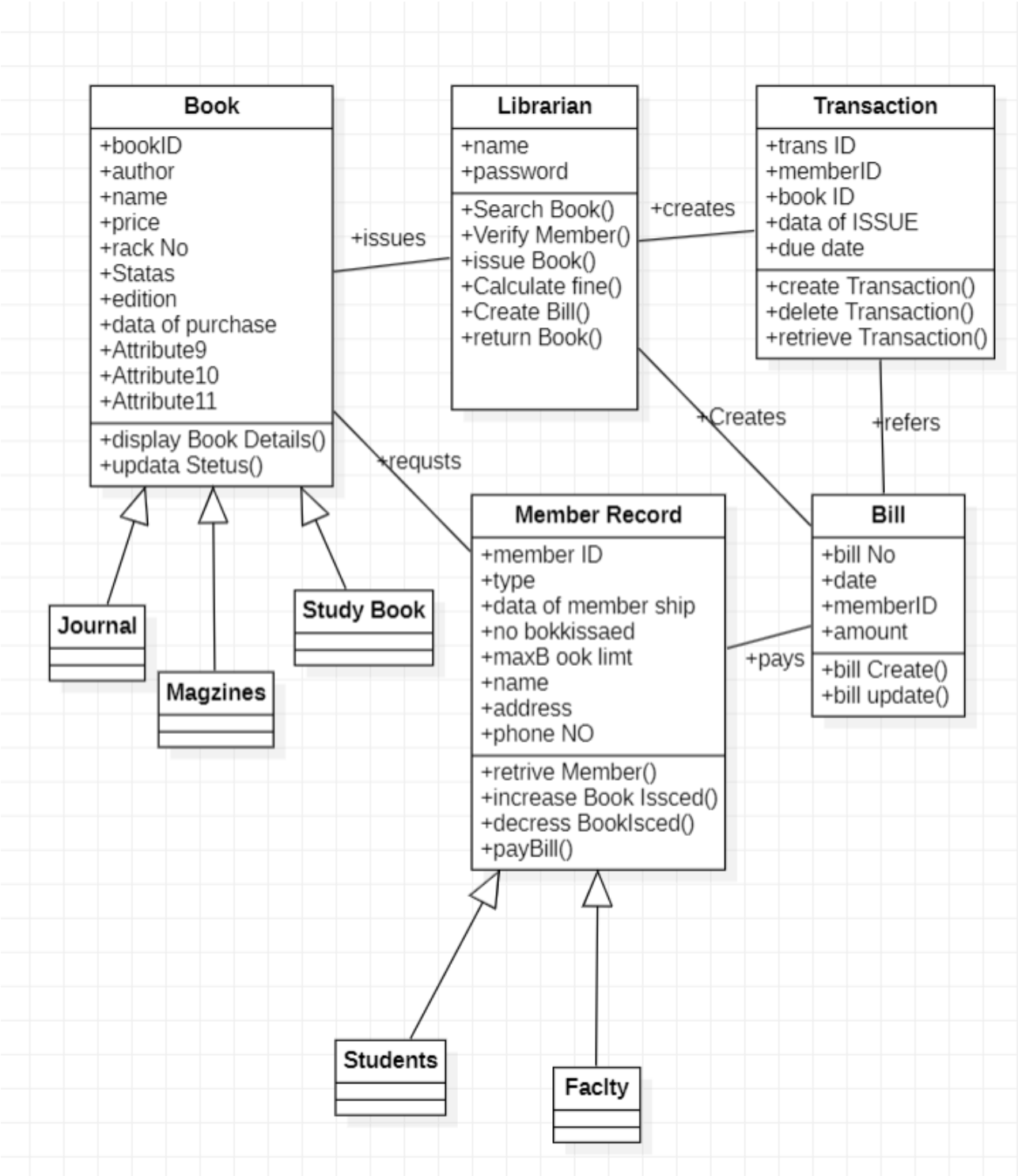
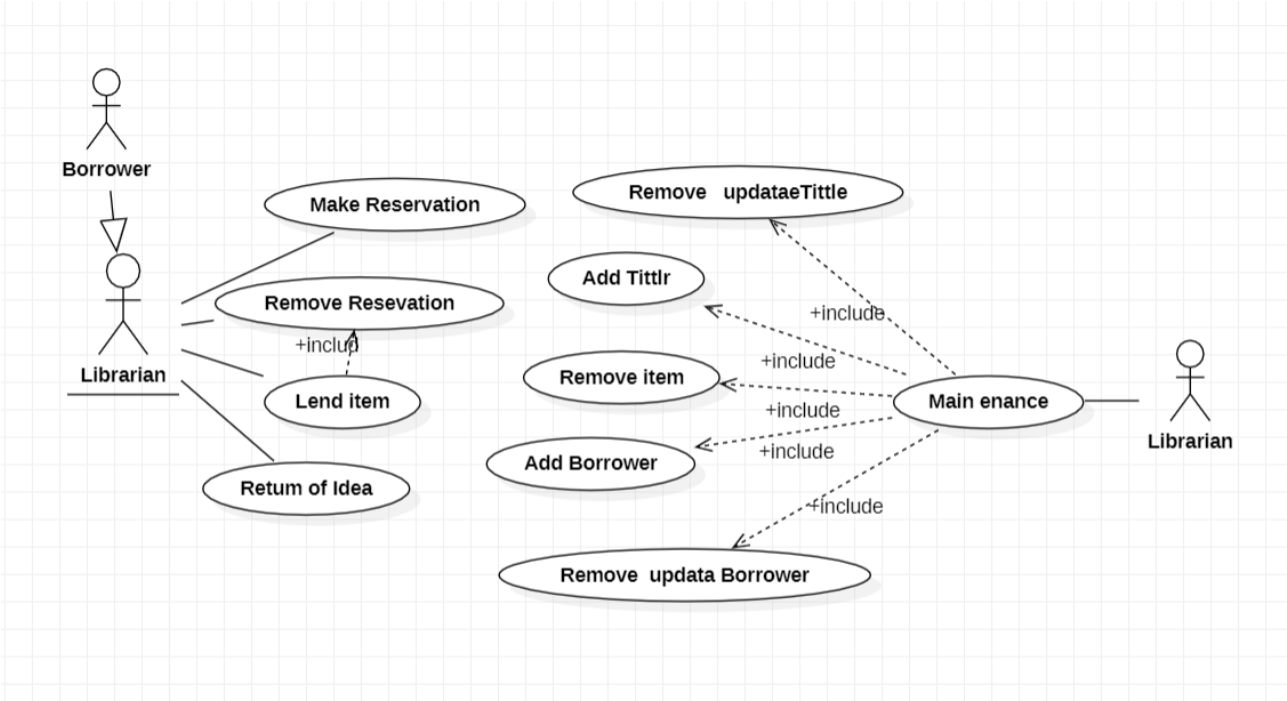
Deployment :



Sequence:


sd SequenceDiagram1
Librarian
Book
Member Record
Transaction
Bill
1 : Message1
2 : Validata member
3 : get issue detail
4 : get member type
5 : creat
6 : Calculate fine
7 : add fine and member details
8 : fine paid
9 : updata book stets
10 : updata member record

Class:


Book
+bookID
+author
+name
+price
+rack No
+Statas
+edition
+data of purchase
+Attribute9
+Attribute10
+Attribute11
+display Book Details()
+updata Stetus()
Librarian
+name
+password
+Search Book()
+Verify Member()
+issue Book()
+Calculate fine()
+Create Bill()
+return Book()
Transaction
+trans ID
+memberID
+book ID
+data of ISSUE
+due date
+create Transaction()
+delete Transaction()
+retrieve Transaction()
+issues
+creates
+Creates
+refers
+requsts
Journal
Magzines
Study Book
Member Record
+member ID
+type
+data of member ship
+no bokkissaed
+maxB ook limt
+name
+address
+phone NO
+retrive Member()
+increase Book Issced()
+decress BookIsced()
+payBill()
Bill
+bill No
+date
+memberID
+amount
+bill Create()
+bill update()
+pays
Students
Faclty

UseCase Diagram for Librarian: