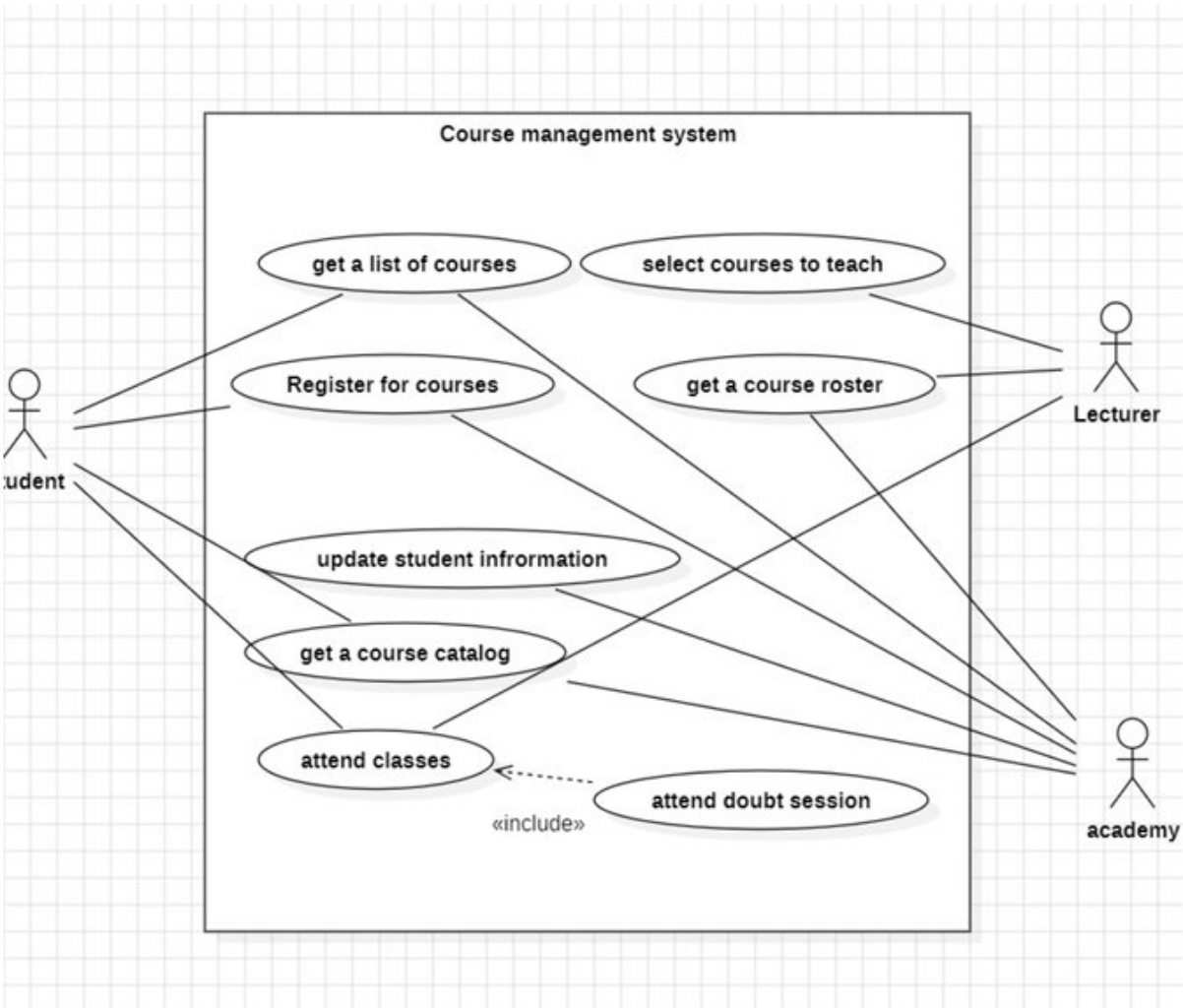
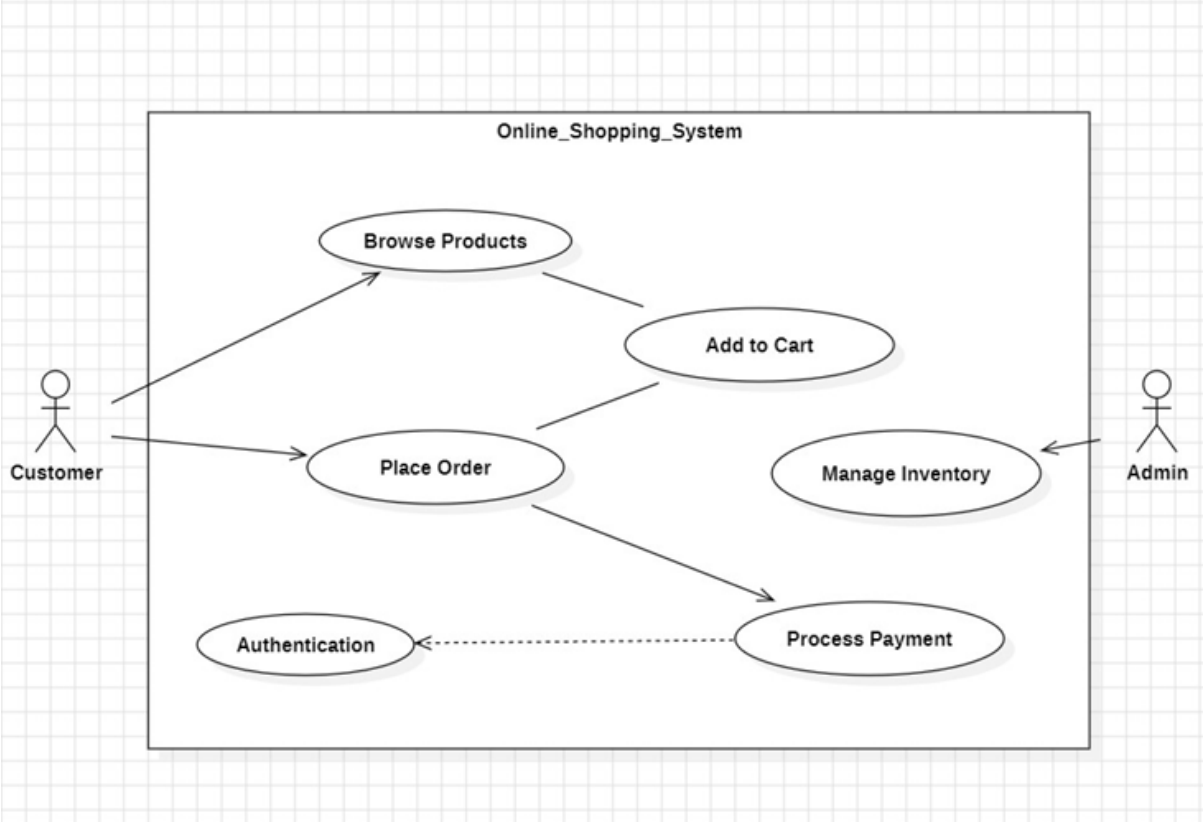
UML DIAGRAMS

1)use case diagram

a.

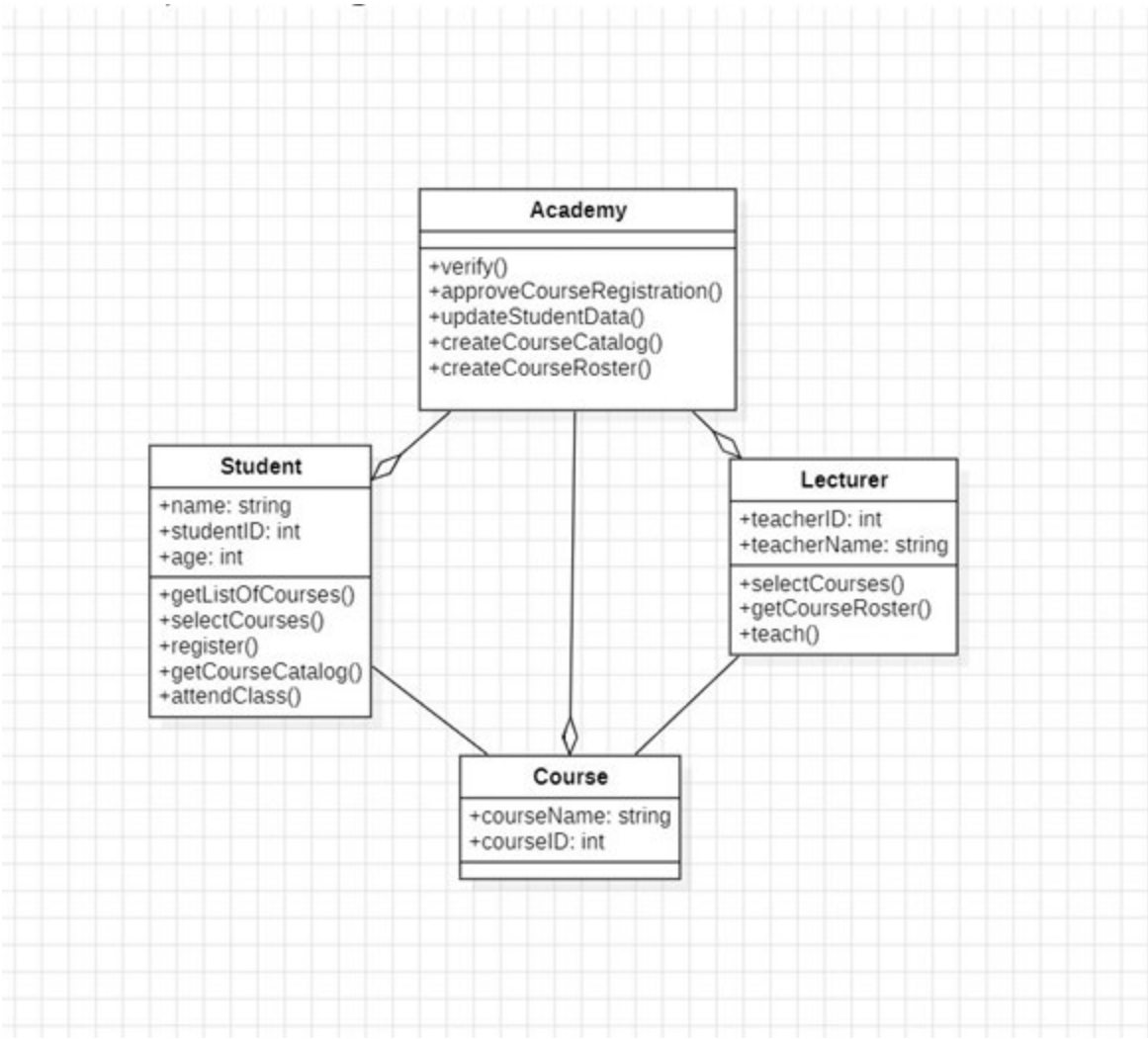


b.

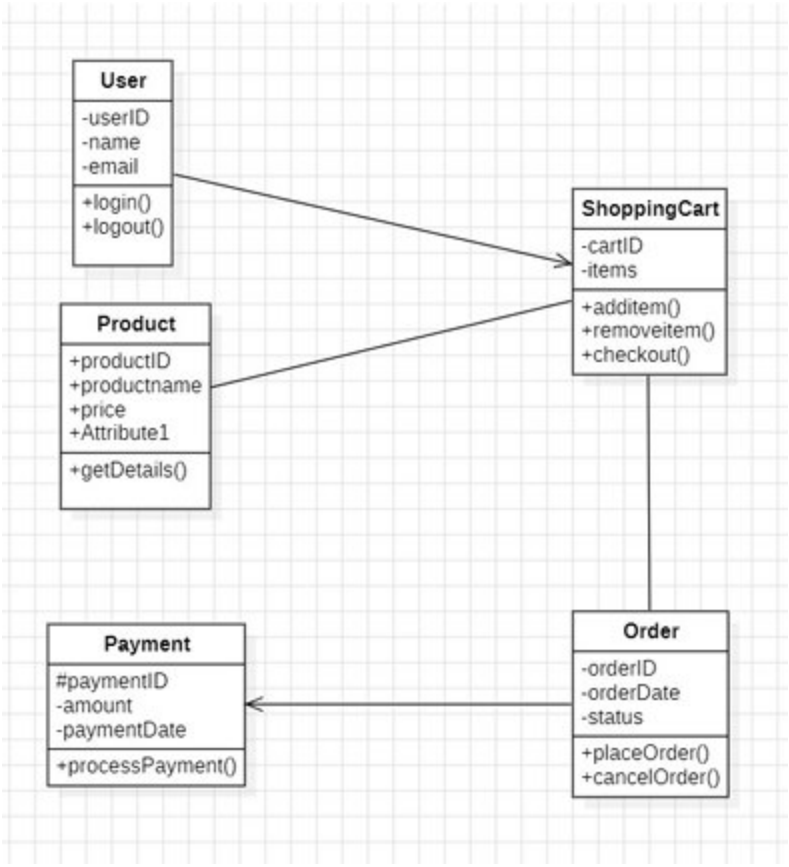


2)class diagram

a.

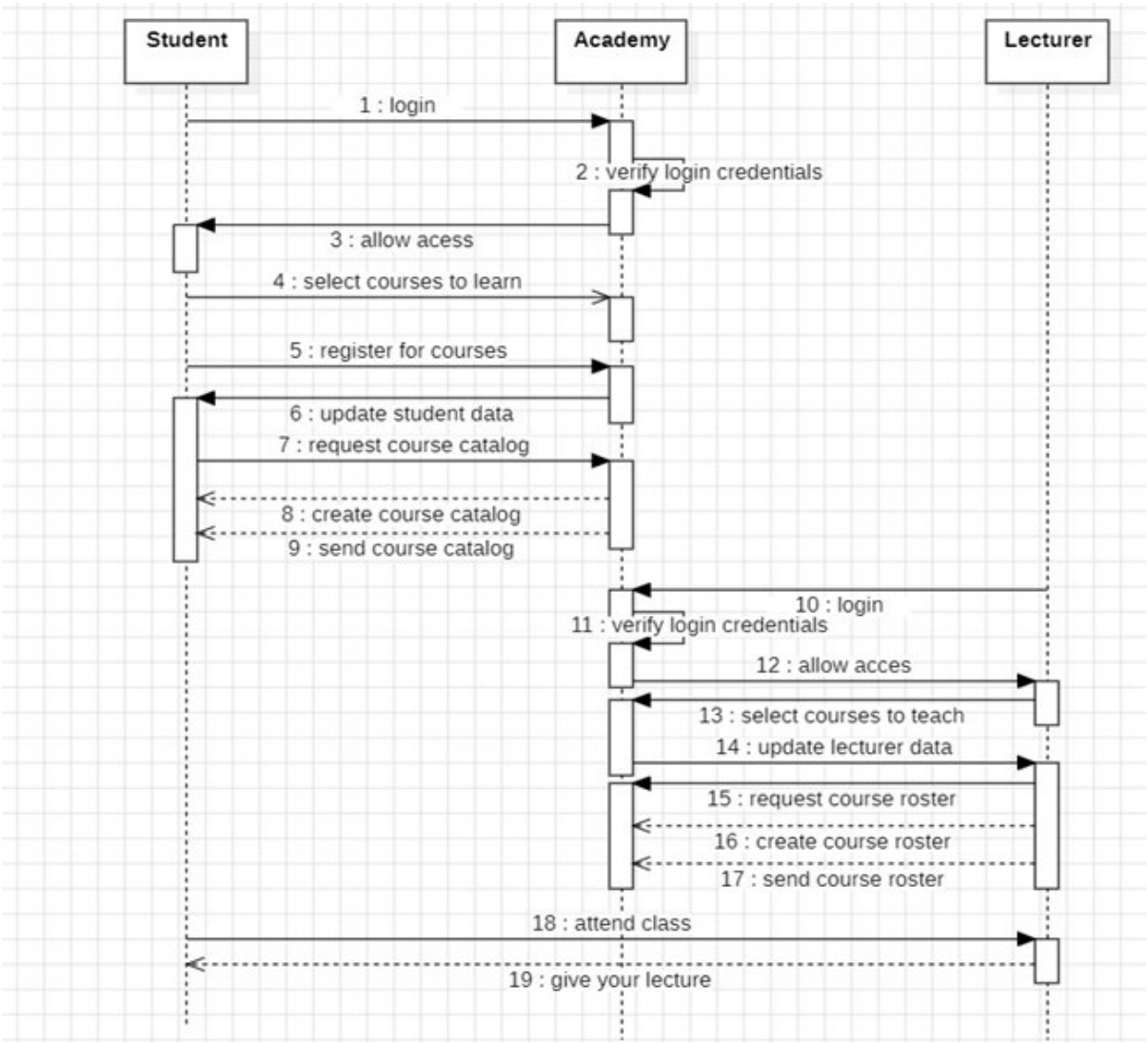

Academy
+verify()
+approveCourseRegistration()
+updateStudentData()
+createCourseCatalog()
+createCourseRoster()
Student
+name: string
+studentID: int
+age: int
+getListOfCourses()
+selectCourses()
+register()
+getCourseCatalog()
+attendClass()
Lecturer
+teacherID: int
+teacherName: string
+selectCourses()
+getCourseRoster()
+teach()
Course
+courseName: string
+courseID: int

b.

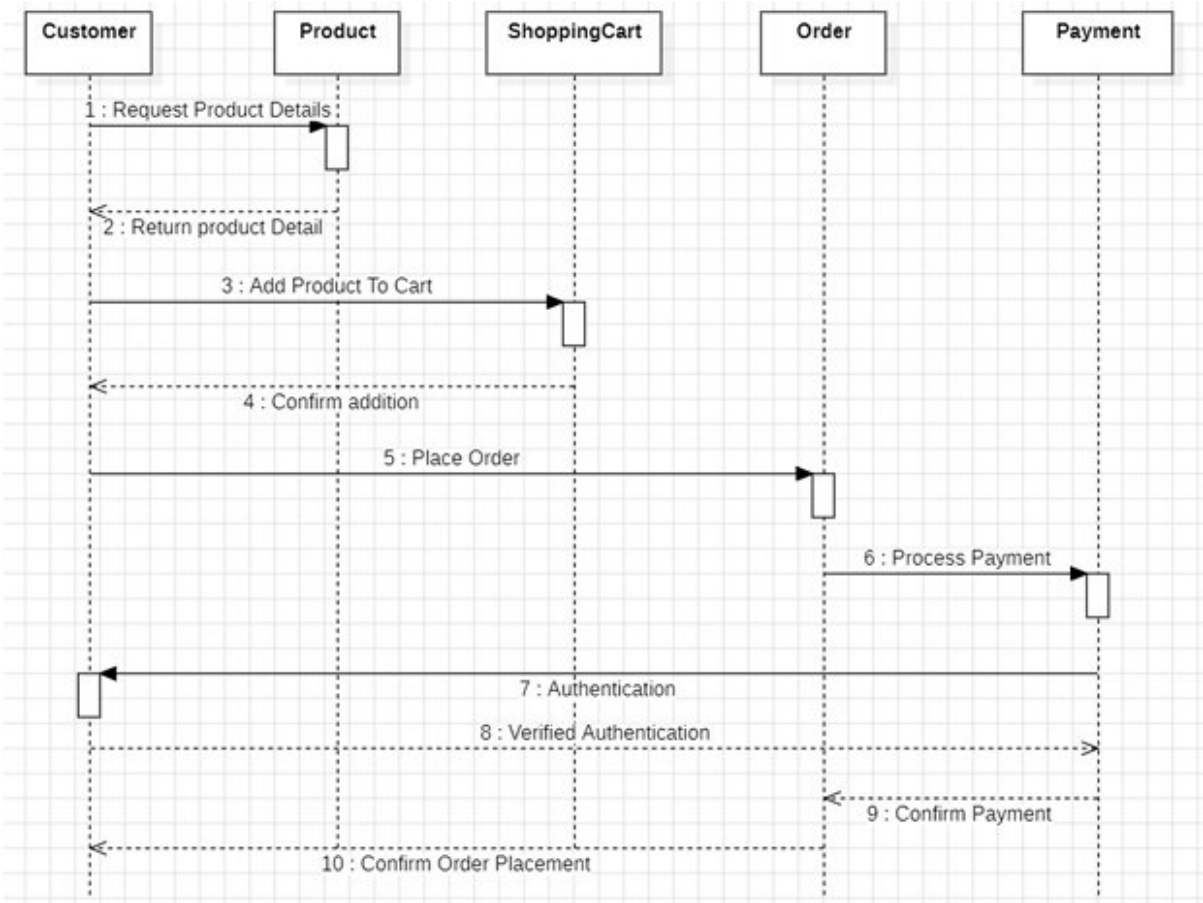


3)sequence diagram

a.

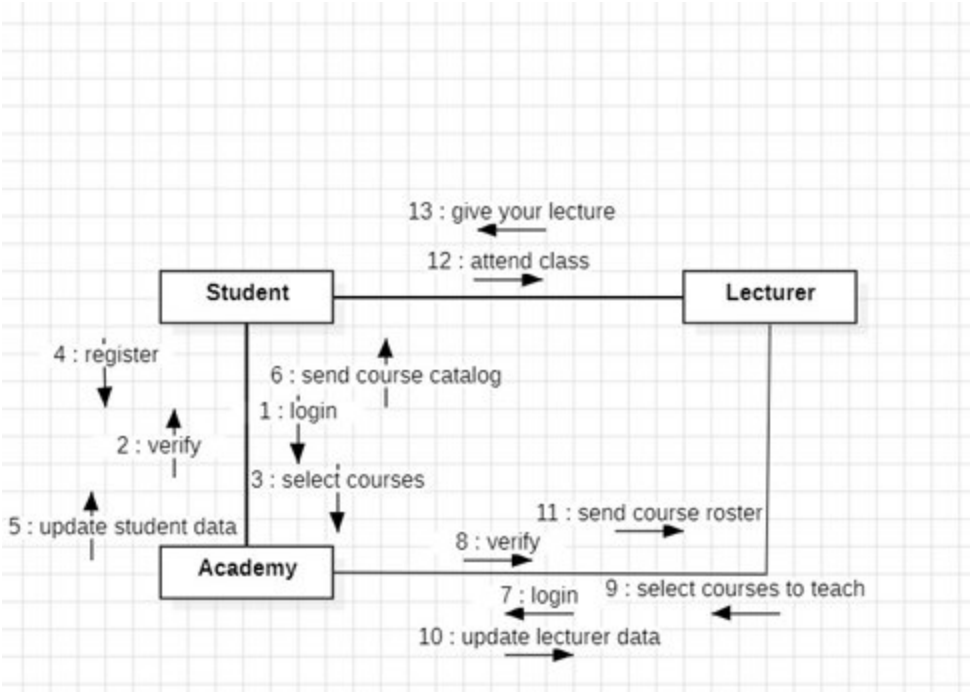

Student
Academy
Lecturer
1 : login
2 : verify login credentials
3 : allow acess
4 : select courses to learn
5 : register for courses
6 : update student data
7 : request course catalog
8 : create course catalog
9 : send course catalog
10 : login
11 : verify login credentials
12 : allow acces
13 : select courses to teach
14 : update lecturer data
15 : request course roster
16 : create course roster
17 : send course roster
18 : attend class
19 : give your lecture

b.

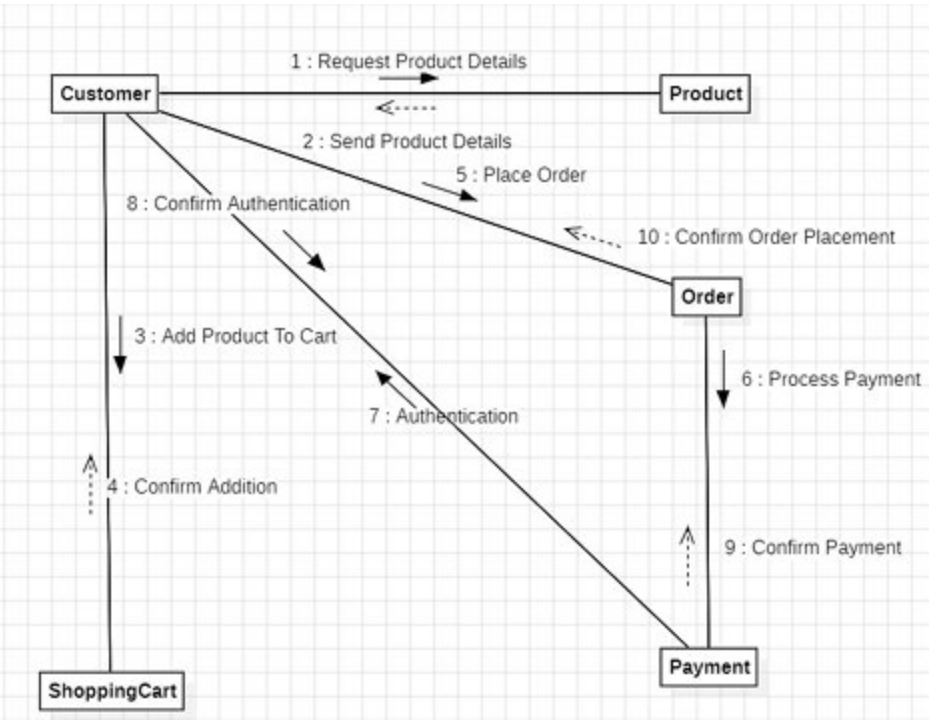


4)commucation Diagram

a.

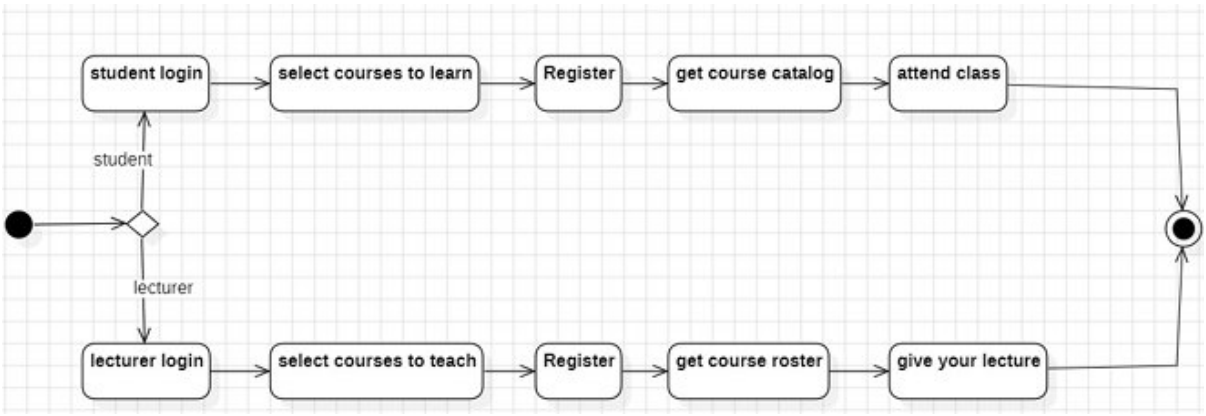

13 : give your lecture
12 : attend class
Student
Lecturer
4 : register
6 : send course catalog
1 : login
2 : verify
3 : select courses
5 : update student data
11 : send course roster
8 : verify
Academy
7 : login
9 : select courses to teach
10 : update lecturer data

b.

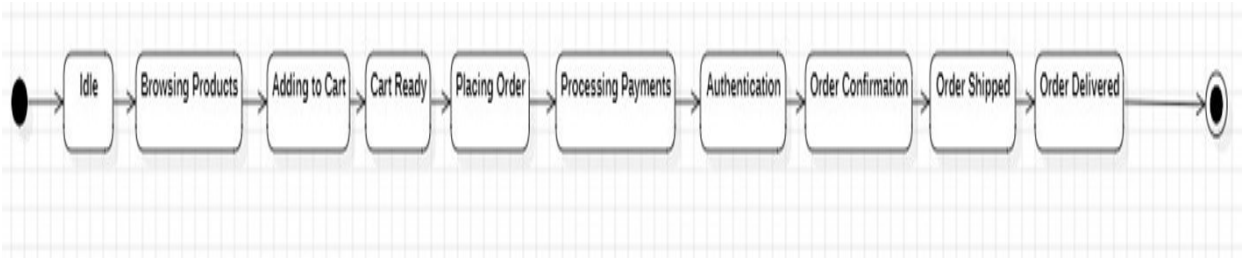

1 : Request Product Details
Customer
Product
2 : Send Product Details
5 : Place Order
8 : Confirm Authentication
10 : Confirm Order Placement
Order
3 : Add Product To Cart
6 : Process Payment
7 : Authentication
4 : Confirm Addition
9 : Confirm Payment
ShoppingCart
Payment

5)

a.


student login
select courses to learn
Register
get course catalog
attend class
student
lecturer
lecturer login
select courses to teach
Register
get course roster
give your lecture

b.


Idle
Browsing Products
Adding to Cart
Cart Ready
Placing Order
Processing Payments
Authentication
Order Confirmation
Order Shipped
Order Delivered