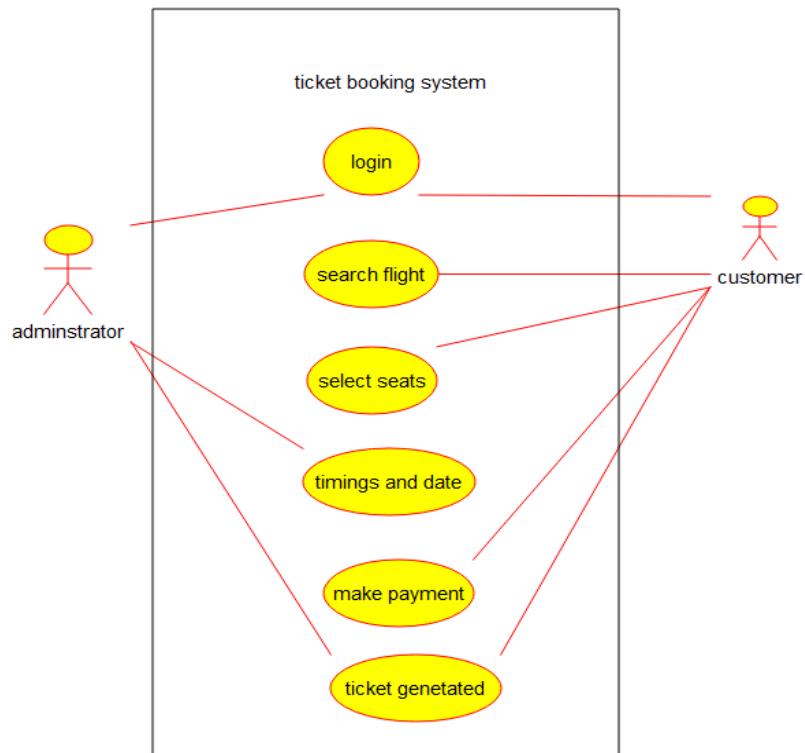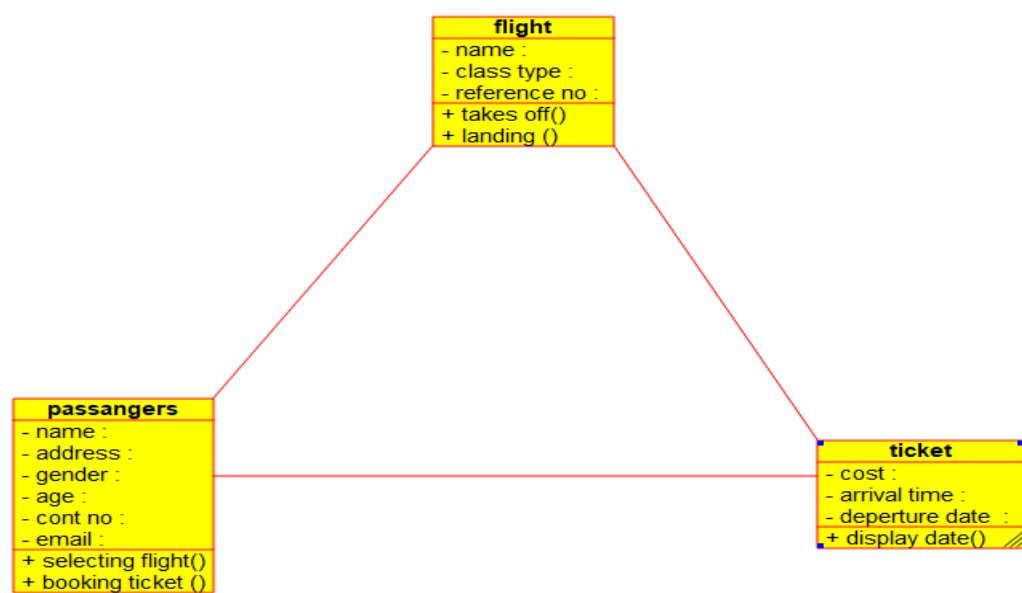Ticket booking system :
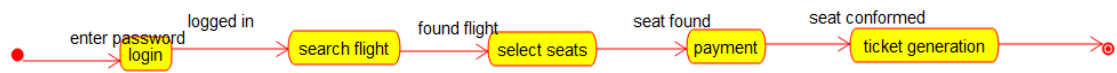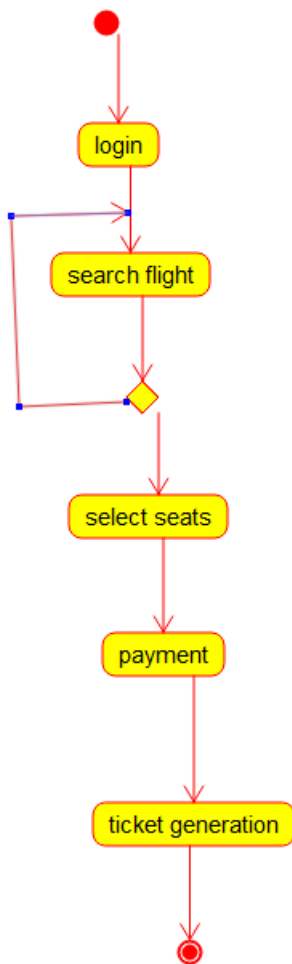
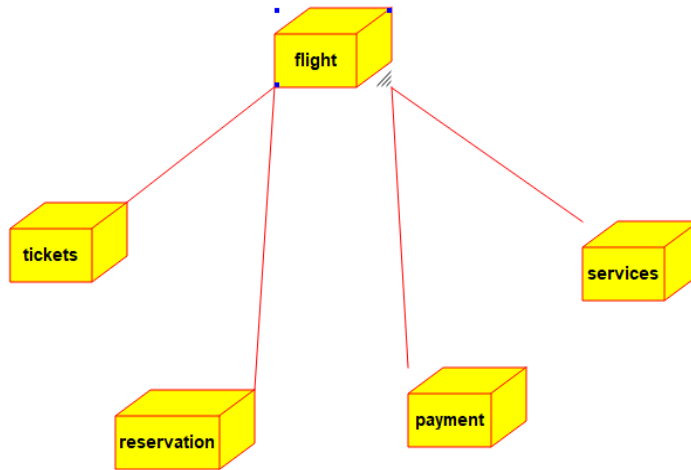Use case diagram :

Class diagram :

State diagram:
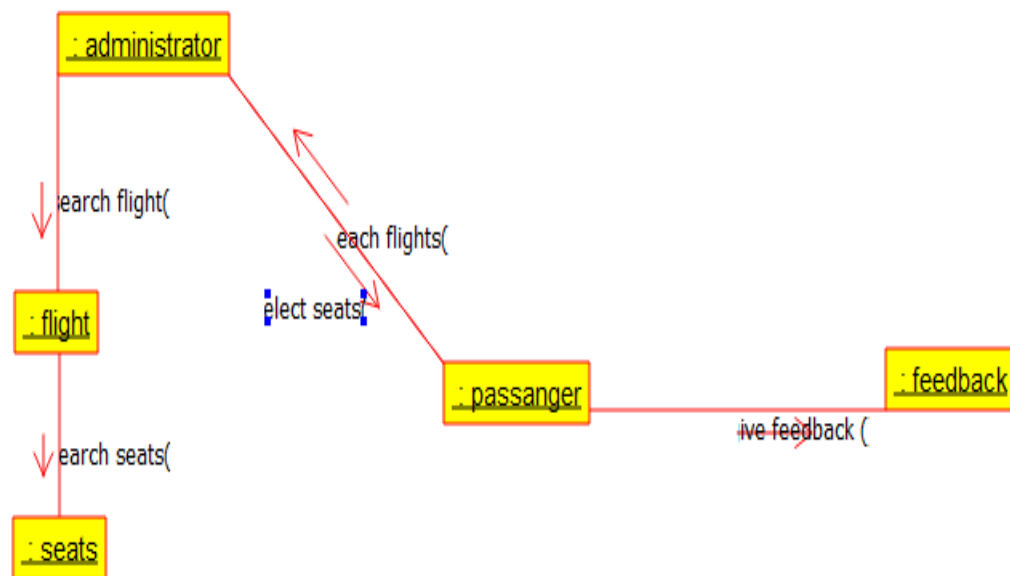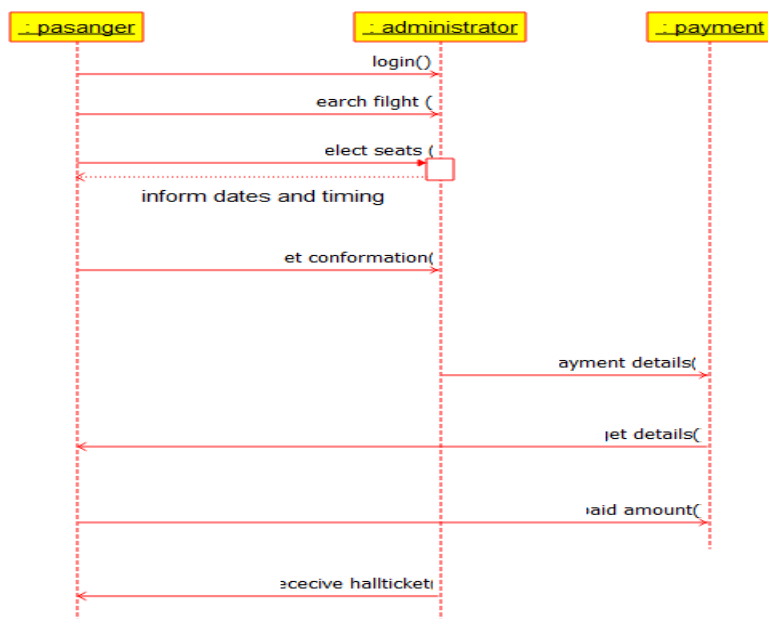

Activity diagram:

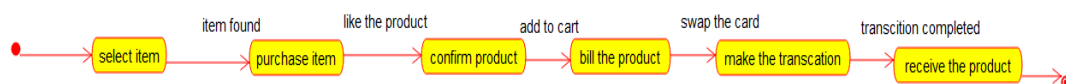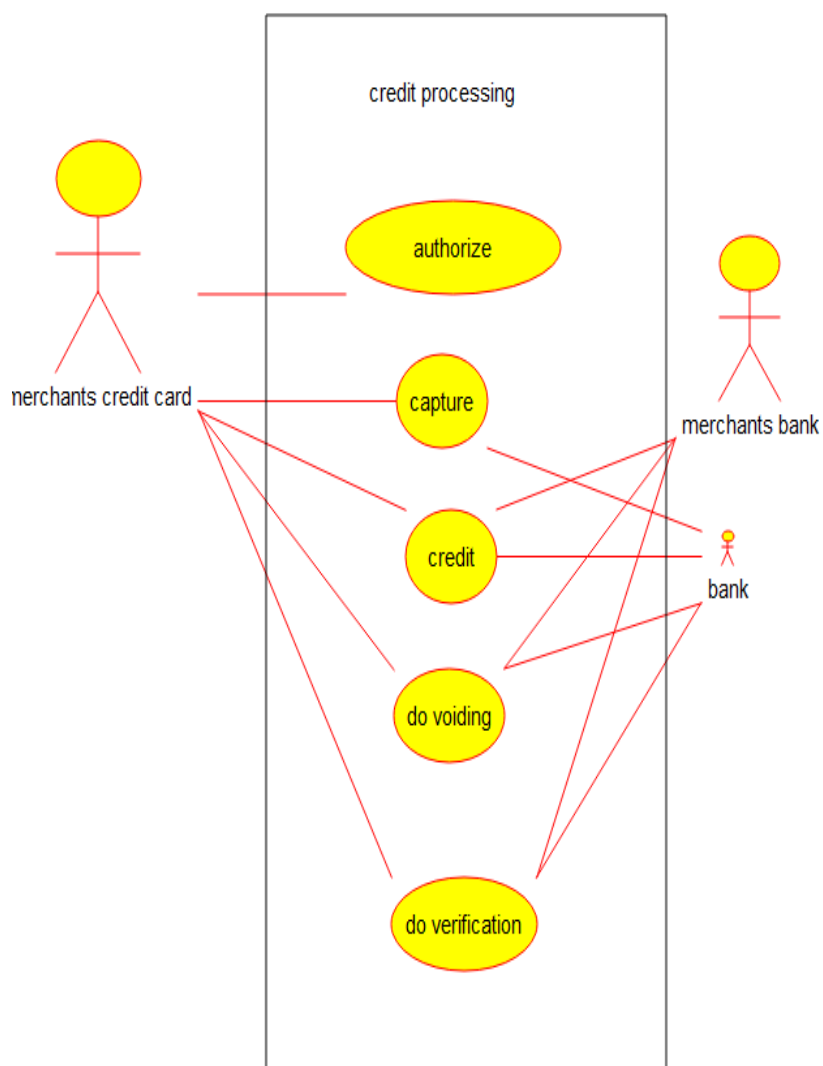Deployment diagram :

Communication diagram:

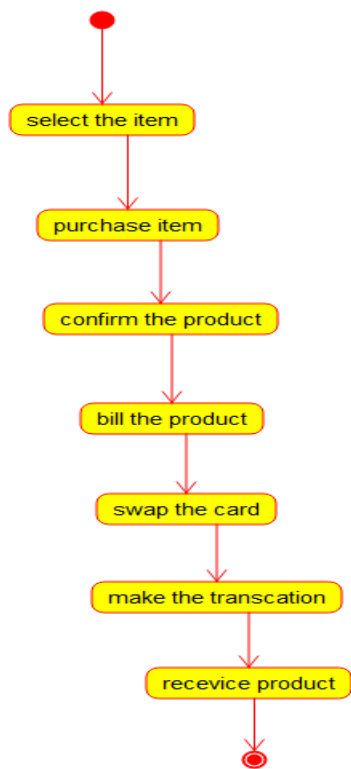Sequence diagram :
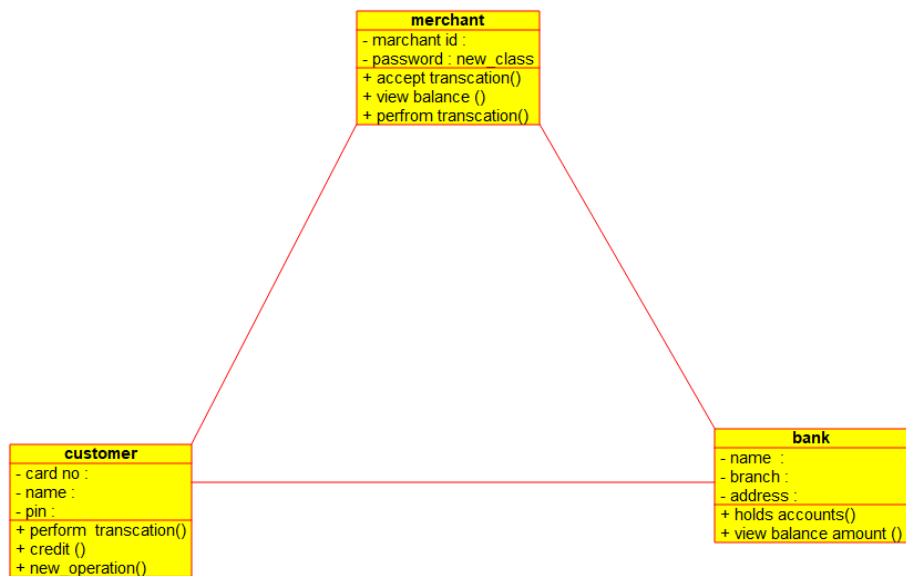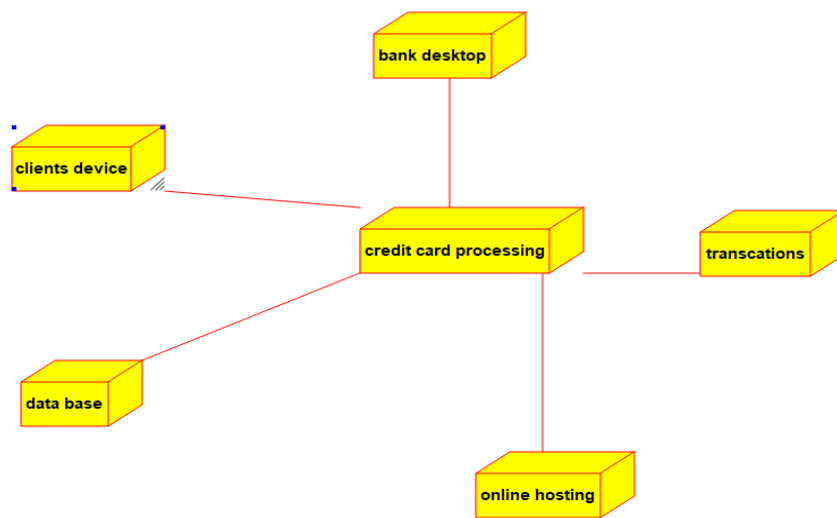

Credit processing system :

State diagram:

Use case diagram

credit processing

authorize

capture

credit

do voiding

do verification

nerchants credit card

merchants bank

bank

Activity diagram :


```
      ●
      │
      ▼
┌─────────────────┐
│ select the item │
└─────────────────┘
      │
      ▼
┌─────────────────┐
│  purchase item  │
└─────────────────┘
      │
      ▼
┌───────────────────┐
│ confirm the product │
└───────────────────┘
      │
      ▼
┌─────────────────┐
│  bill the product │
└─────────────────┘
      │
      ▼
┌─────────────────┐
│  swap the card  │
└─────────────────┘
      │
      ▼
┌─────────────────────┐
│ make the transcation │
└─────────────────────┘
      │
      ▼
┌─────────────────┐
│ recevice product │
└─────────────────┘
      │
      ▼
      ◎
```

Class diagram :

merchant
- marchant id :
- password : new_class
+ accept transcation()
+ view balance ()
+ perfrom transcation()

customer
- card no :
- name :
- pin :
+ perform transcation()
+ credit ()
+ new_operation()

bank
- name :
- branch :
- address :
+ holds accounts()
+ view balance amount ()

Deployment diagram :

Communication diagram :