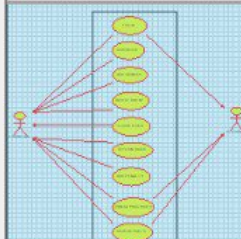
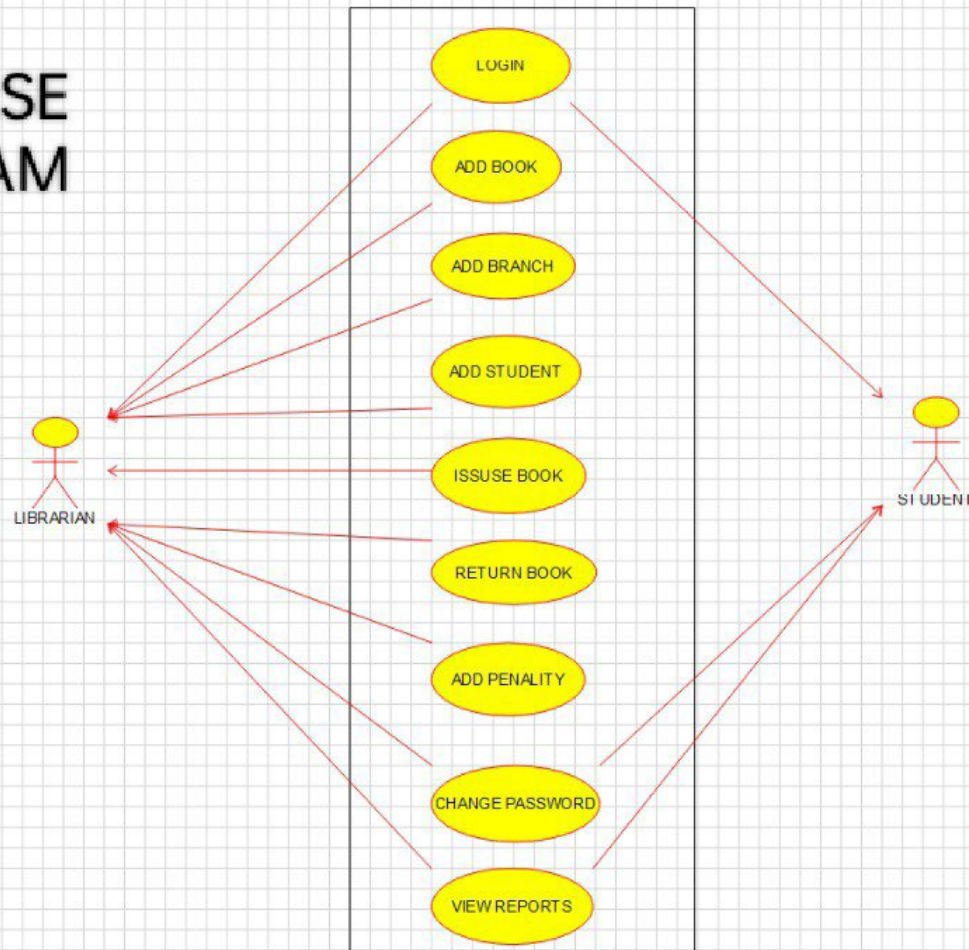


USE CASE DIAGRAM



```

classDiagram
    class BOOK {
        +booki
        +auth
        +nam
        +racki
        +stat
        +editi
        +dateofpurc
        +displaybodyc
        +update
    }
    class LIBRARIAN {
        +nam
        +passwc
        +searchbc
        +verifymem
        +issuebo
        +calculate
        +create
        +returnbc
    }
    class transaction {
        -transi
        +membe
        +book
        +dateofis
        -dueda
        +createtrans
        +deletetrans
        +retrievetrans
    }
    class bill {
        -billn
        -dat
        +membe
        -amou
        +billcre
        +billupd
    }
    class MEMBERRECORD {
        +Membe
        +typ
        +dateofmembe
        +nobookiss
        +maxbookl
        +nam
        +addre
        +phone
        +retrieveMer
        +increasebook
        +decreasebook
        +payb
    }
    class Journal
    class Magazine
    class studybook
    class student
    class faculty

    BOOK --> LIBRARIAN : issue
    LIBRARIAN --> transaction : create
    transaction --> bill : refer
    bill --> MEMBERRECORD : pay
    MEMBERRECORD --> BOOK : request
    MEMBERRECORD --|> student
    MEMBERRECORD --|> faculty
    MEMBERRECORD --> bill : create
  
```

```

classDiagram
    class User {
        +id
        +name
        +password
        +email
        +phone
    }
    class Admin {
        +id
        +name
        +password
        +email
        +phone
    }
    class Manager {
        +id
        +name
        +password
        +email
        +phone
    }
    class Employee {
        +id
        +name
        +password
        +email
        +phone
    }
    class Customer {
        +id
        +name
        +password
        +email
        +phone
    }
    User "1" -- "*" Admin
    User "1" -- "*" Manager
    User "1" -- "*" Employee
    User "1" -- "*" Customer
    Admin "1" -- "*" Manager
    Manager "1" -- "*" Employee
    Employee "1" -- "*" Customer
    Admin --> Admin
    Manager --> Manager
    Employee --> Employee
  
```


- sequence diagram
- state diagram_1
- Student
- studybooks
- transaction
 - +bookid :
 - +dateofissue :
 - +memberid :

SEQUENCE DIAGRAM

