UML DESIGN
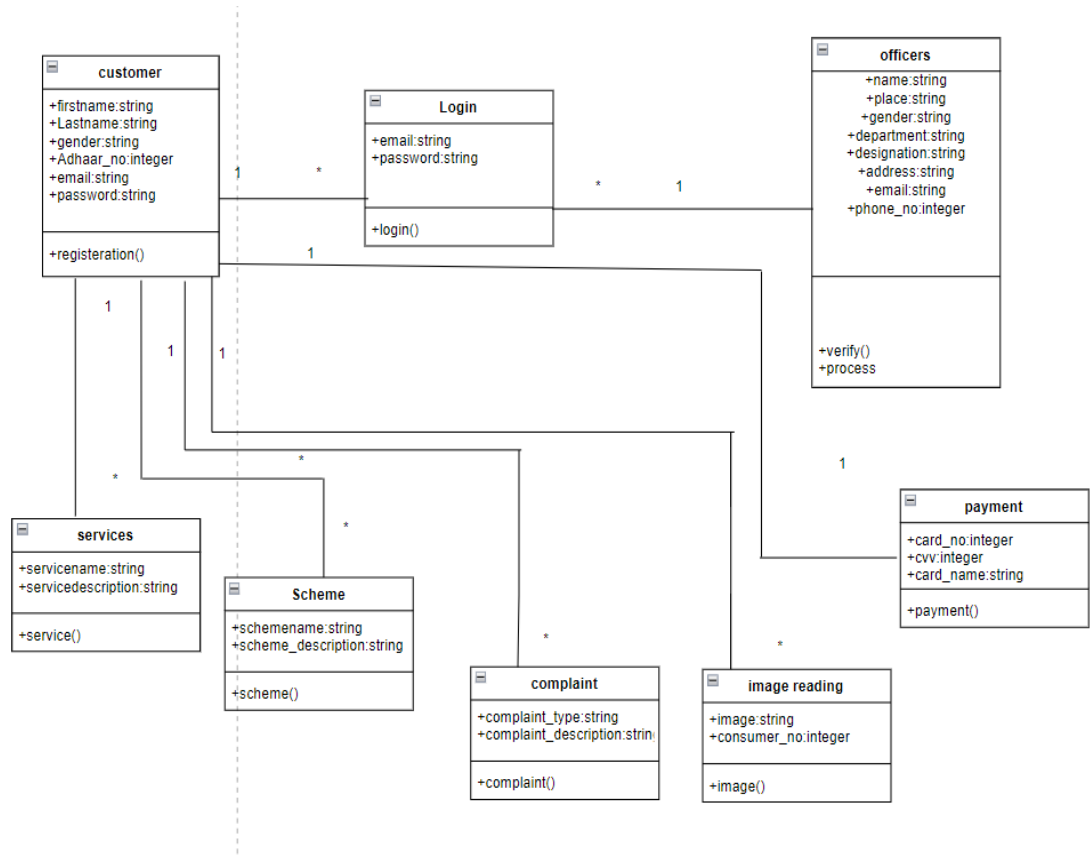
Submitted by:

Jisha Chacko
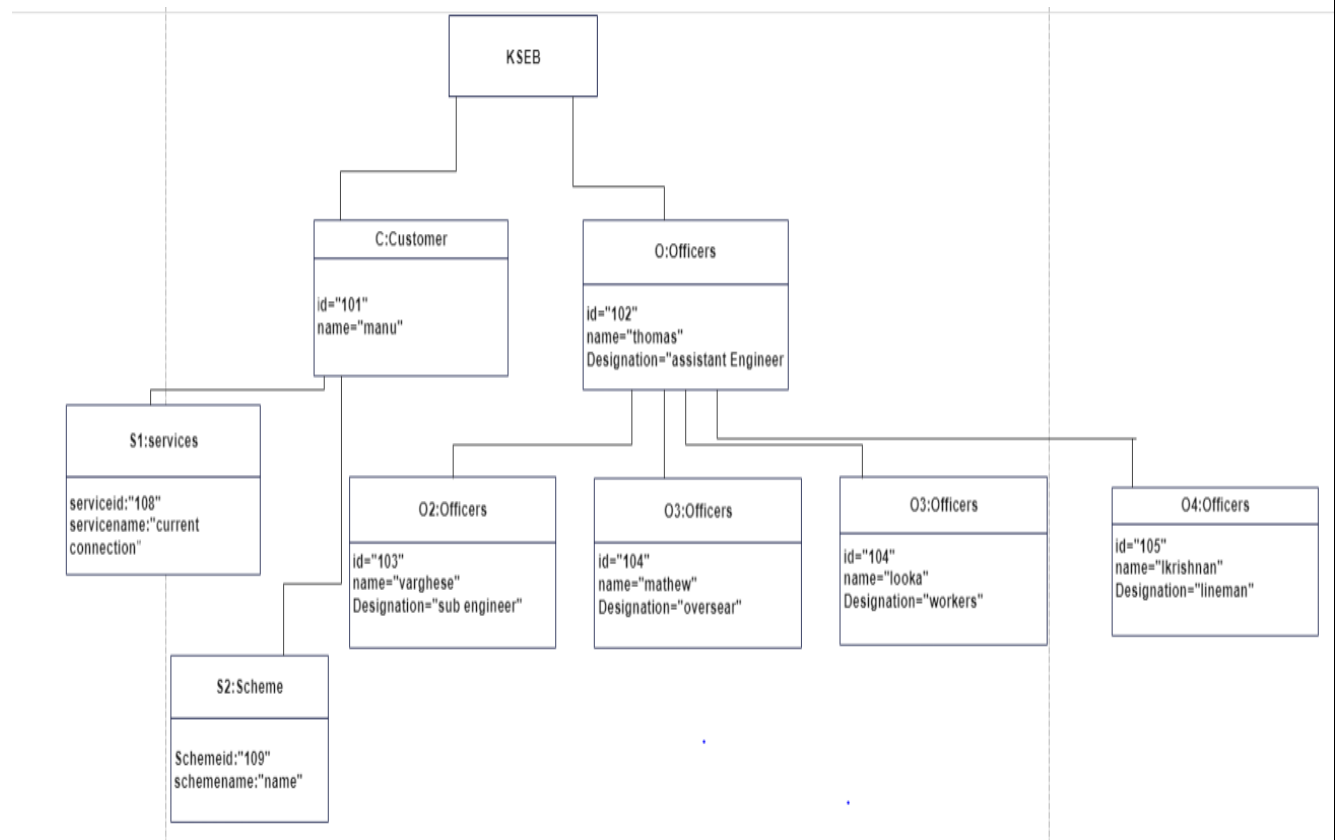
S3RMCA:A

Rollno:44

1.CLASS DIAGRAM

customer
+firstname:string
+Lastname:string
+gender:string
+Adhaar_no:integer
+email:string
+password:string

+registeration()

Login
+email:string
+password:string

+login()

officers
+name:string
+place:string
+gender:string
+department:string
+designation:string
+address:string
+email:string
+phone_no:integer

+verify()
+process

services
+servicename:string
+servicedescription:string

+service()

Scheme
+schemename:string
+scheme_description:string

+scheme()

complaint
+complaint_type:string
+complaint_description:string

+complaint()

image reading
+image:string
+consumer_no:integer

+image()

payment
+card_no:integer
+cvv:integer
+card_name:string

+payment()

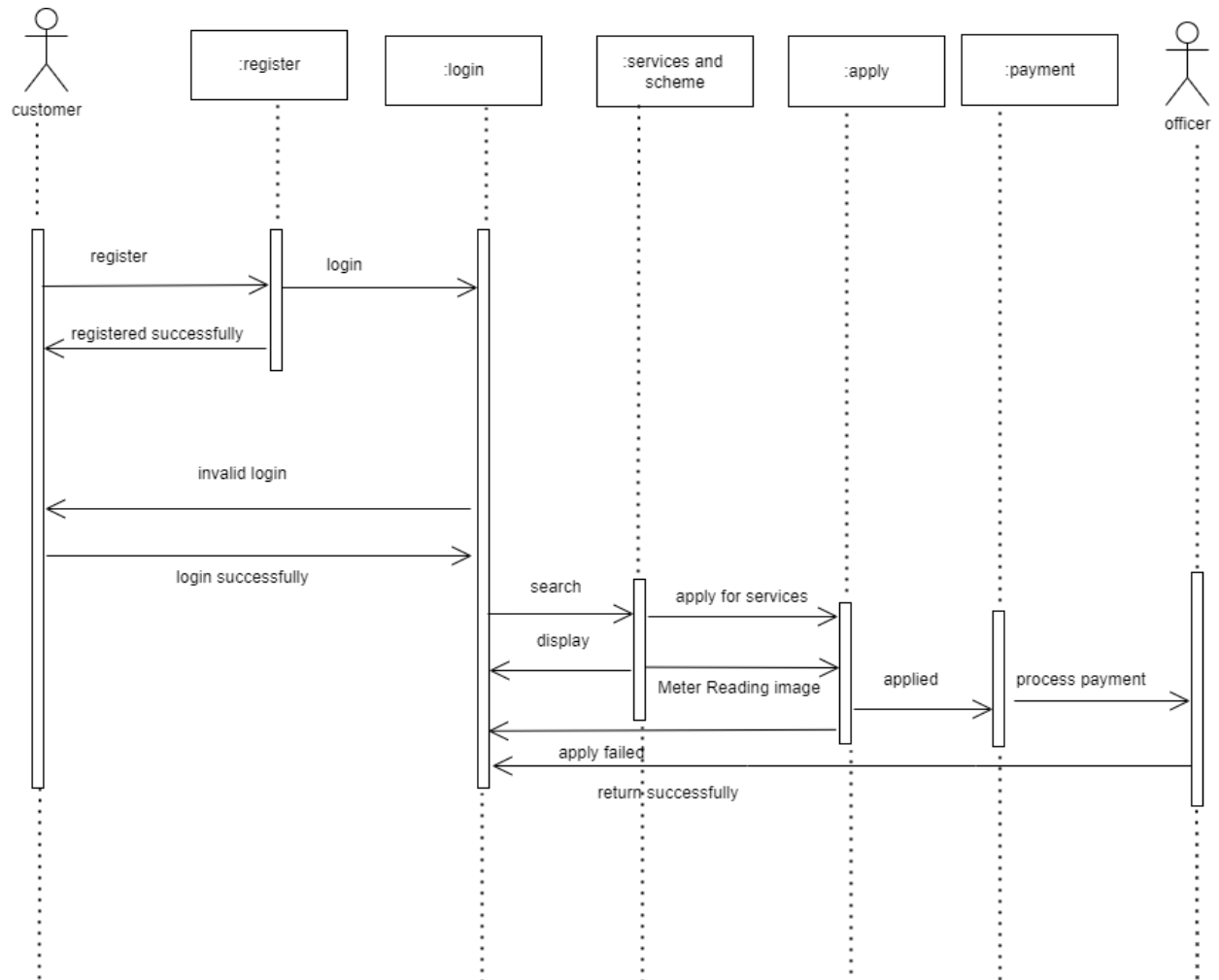## 2.Object Diagram
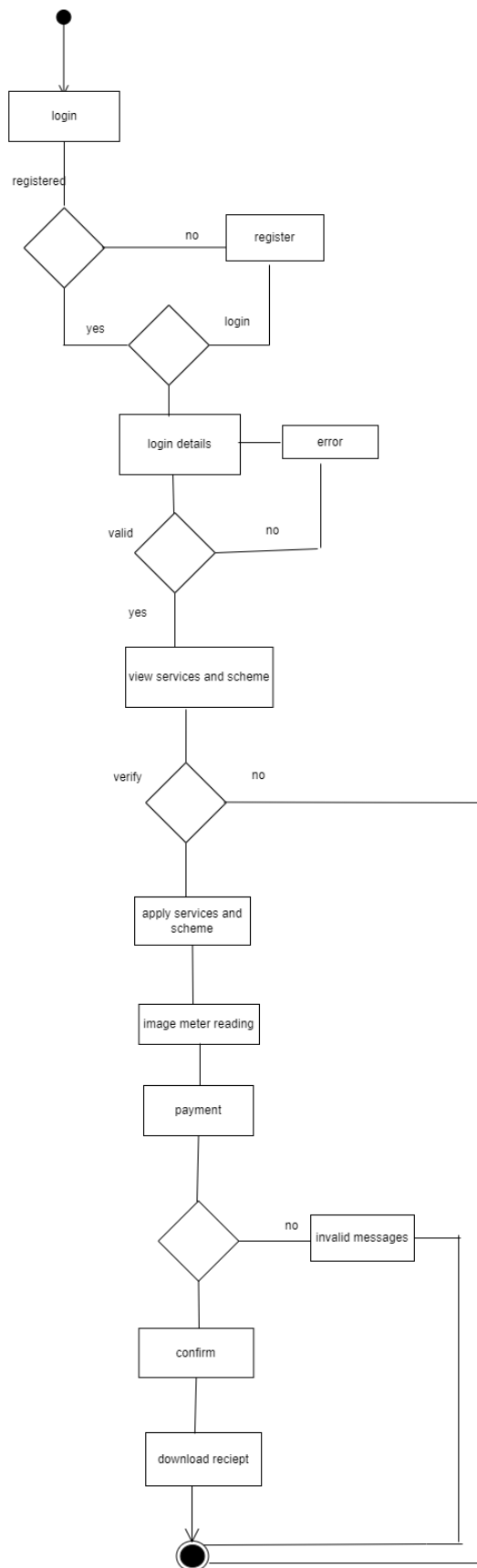
3.Sequence Diagram

4.Activity Diagram

Activity diagram

```
                    ●
                    │
                    ▼
              ┌──────────┐
              │  login   │
              └──────────┘
                    │
            registered
                    │
                  ◇────────── no ──────┌──────────┐
                 ◇ ◇                   │ register │
                  ◇                    └──────────┘
            yes   │        login              │
                  └──── ◇ ────────────────────┘
                        ◇ ◇
                         ◇
                         │
              ┌──────────────┐        ┌──────────┐
              │ login details│────────│  error   │
              └──────────────┘        └──────────┘
                      │                     │
             valid    ◇───────── no ────────┘
                     ◇ ◇
                      ◇
                      │
                     yes
                      │
              ┌──────────────────────┐
              │ view services and    │
              │      scheme          │
              └──────────────────────┘
                      │
            verify    ◇──────────── no ─────────────┐
                     ◇ ◇                            │
                      ◇                             │
                      │                             │
              ┌──────────────┐                      │
              │ apply services│                     │
              │ and scheme    │                     │
              └──────────────┘                      │
                      │                             │
              ┌──────────────┐                      │
              │ image meter  │                      │
              │  reading     │                      │
              └──────────────┘                      │
                      │                             │
              ┌──────────┐                          │
              │ payment  │                          │
              └──────────┘                          │
                      │                             │
                      ◇──── no ──┌────────────────┐ │
                     ◇ ◇         │ invalid messages│ │
                      ◇          └────────────────┘ │
                      │                  │          │
              ┌──────────┐               │          │
              │ confirm  │               │          │
              └──────────┘               │          │
                      │                  │          │
              ┌──────────────┐           │          │
              │ download     │           │          │
              │  reciept     │           │          │
              └──────────────┘           │          │
                      │                  │          │
                      ▼                  │          │
                     ◉───────────────────┘──────────┘
```
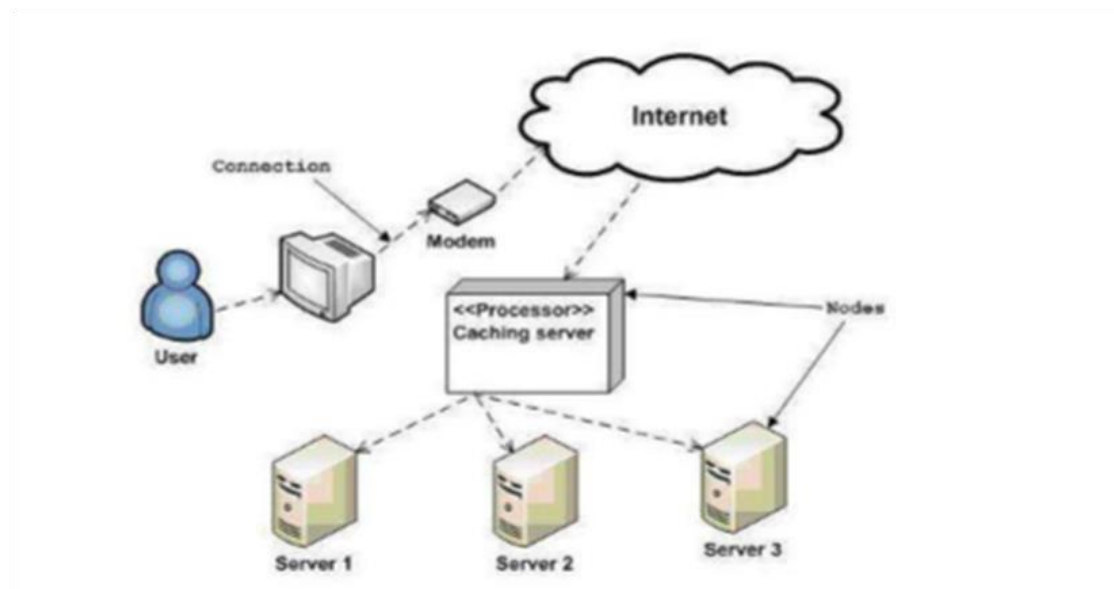
5.State Diagram

State Diagram

idle

view sevices and schemes

apply services and schemes

image meter reading

payment
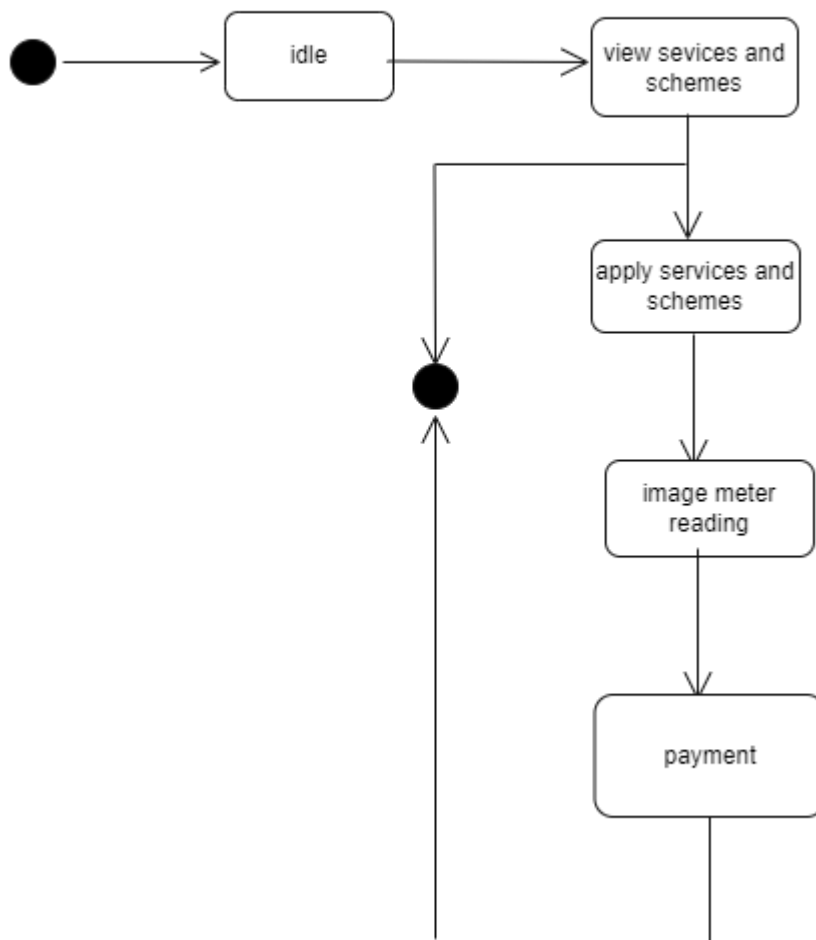
6.Usecase diagram

use case diagram

create scheme

manage officers

admin

add staff and officers

extent

register

connection request

view services notification

apply services and schemes

include

upload image

upload image

return

pay

customer

payment

view complaint

officers

approve new connection

Apply leave

Data Verifications

include

verify data

7.Deployment Diagram

8.Component diagram

PHP FILES