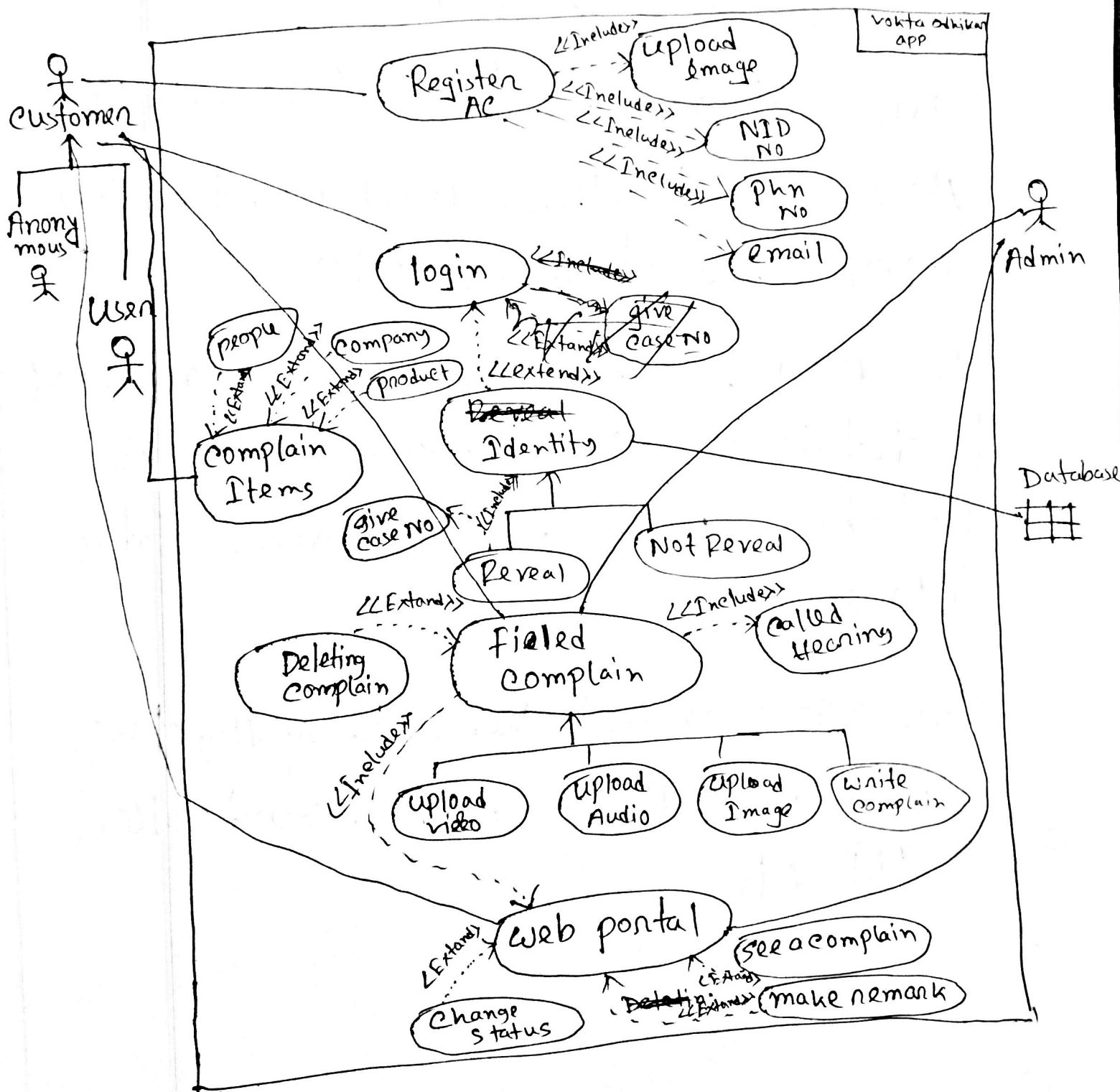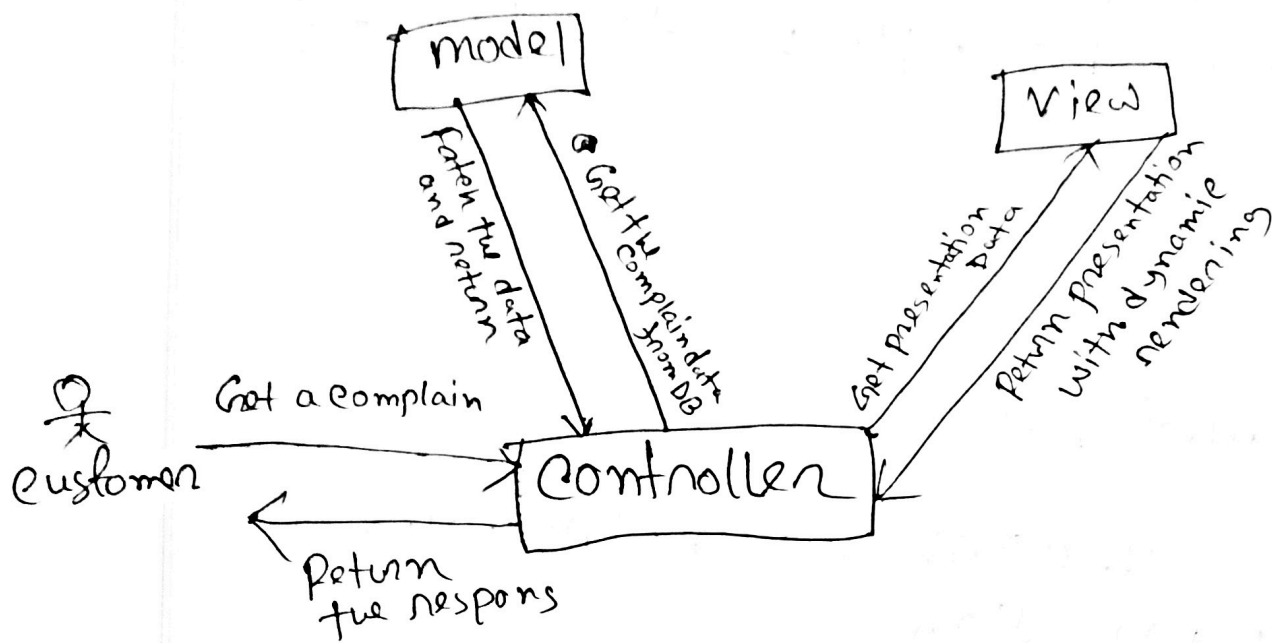Md. Istiyak Ahmed
16201021
Sec: 01

1/(a)

(1)

(b)

In my point of view

In controller the class will be
Account controller, user controller,
complain controller, etc

In model class which is connected
to database so, D'here the class
will be; user, complain, status
class, etc .

In View model here besically the
view of UI of user, controller
UI etc.

model

view

Fetch the data and return

Get the complaindit from DB

Get a complain

customer

Controller

Get presentation Data

Return presentation with dynamic rendering

Return the respons

(1)

(e) In my view here we need to use ~~Waterfall mo'~~ V model, because ⊗ here the all requrements is are well known, and it is not very big project. Though need good security that is why ⊗ in V model we can test every module before lunching. Moreover in this model chance of success is very high. Here changes

are not shown. So in my view
'v' model will be the best fit

2.

(a) <u>functional</u>

① can convent and menges all
information

② search hotels by keywords -

<u>Non functional</u>

① Data encrypted security

② can store data at different
cloud server database.

(b)

Except the mve pattern, This se scenario well be best fit in clint-server pattern, because is by scenario I know this apps/software can convents and menges all the data and can stored at different cloud databases so.as. in client-server ## pattern load on a system is variable: an moreover shared database has to be accessed from a range of locations. & That is why the user can search hotels by keywords, dates, locations etc.

(c)

```
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│  Customer    │   │  Customer    │   │  Customer    │
│     1        │   │     2        │   │     3        │
└──────┬───────┘   └──────┬───────┘   └──────┬───────┘
       │                  │                  │
       ▼                  ▼                  ▼
┌────────────────────────────────────────────────────────┐
│                      Internet                          │
└──────┬──────────────────┬──────────────────┬───────────┘
       │                  │                  │
       ▼                  ▼                  ▼
┌──────────────┐   ┌──────────────┐   ┌──────────────┐
│  location    │   │  Rent        │   │  Different   │
│  search      │   │  search      │   │  features    │
├──────────────┤   ├──────────────┤   │  Searching   │
│  location    │   │  Rent        │   ├──────────────┤
│  server      │   │  Based       │   │  feature     │
│              │   │  server      │   │  Based       │
└──────────────┘   └──────────────┘   │  server      │
                                      └──────────────┘
```