Name: *Shaikh Irfan soheb*

PG-DAC sept-2022
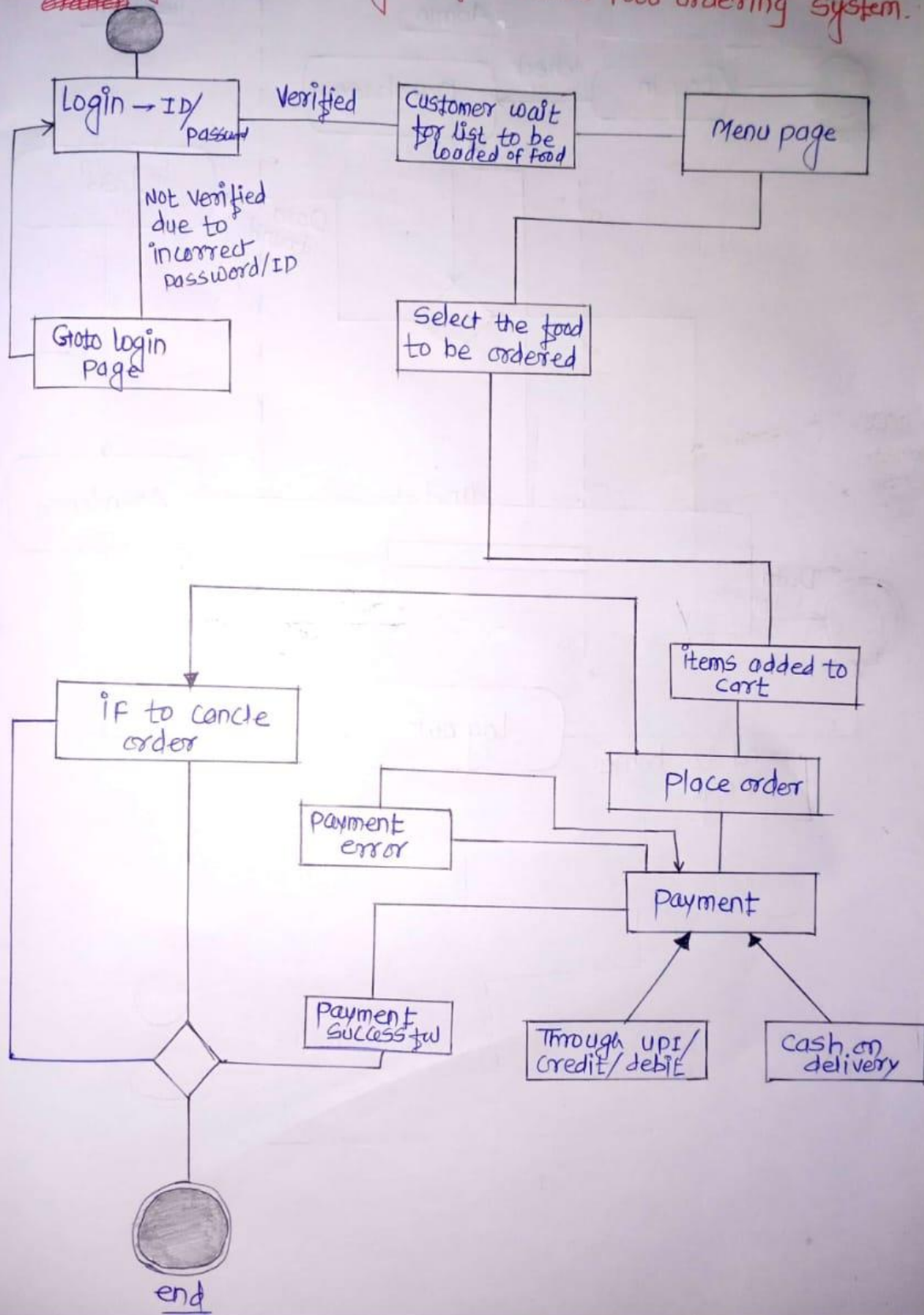
Batch-B

ASSIGNMENT NO.4
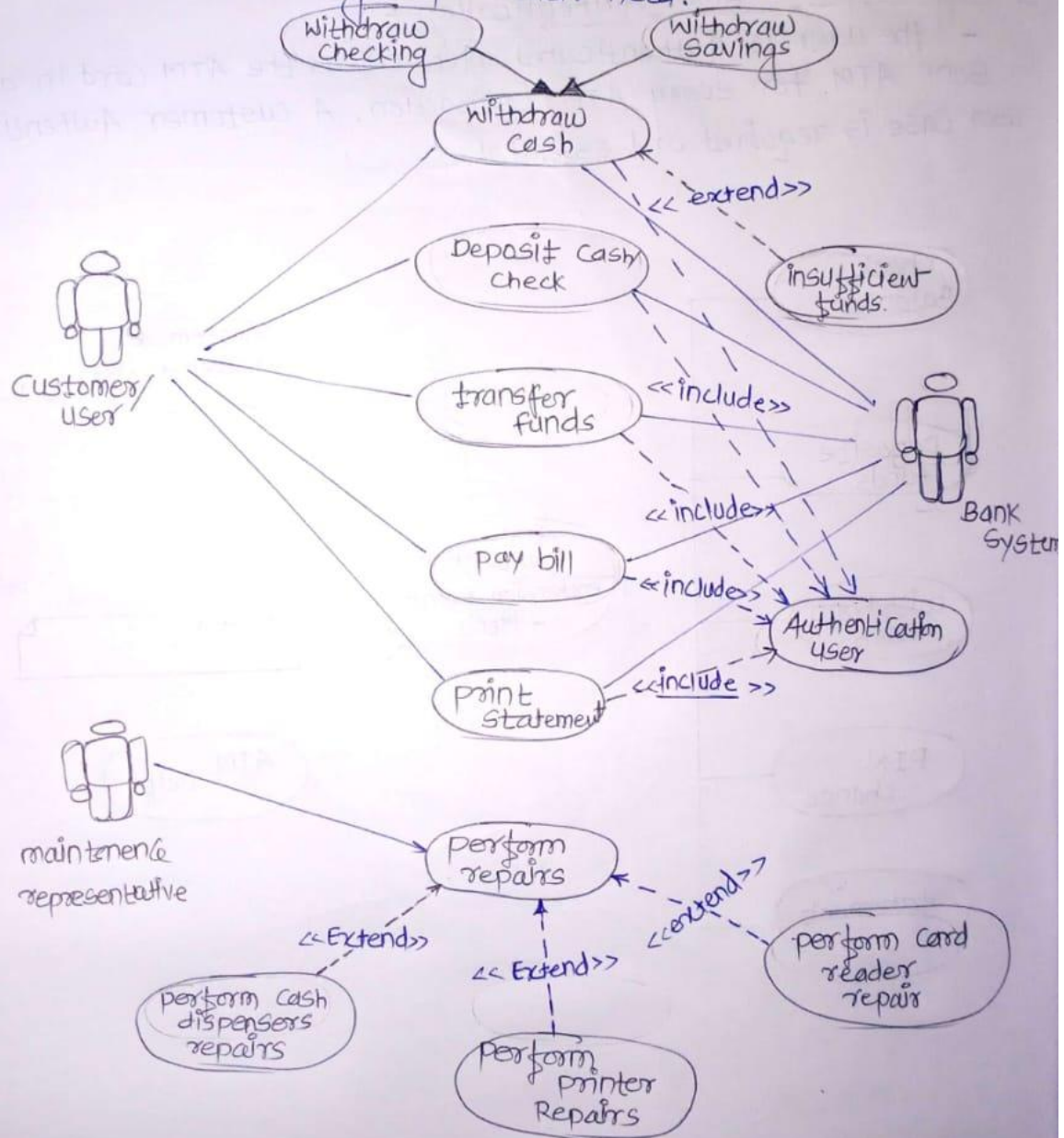
MS VISIO

ADVANCED SOFTWARE DEVELOPMENT METHODOLOGY

Q.3 : Design the class diagram for online food ordering system.

```
                      ●
                      │
            ┌─────────────┐   Verified   ┌──────────────┐           ┌──────────────┐
            │ Login → ID/ │─────────────▶│ Customer wait │──────────│  Menu page   │
            │      password│              │ for list to be│           │              │
            └─────────────┘              │ loaded of food│           └──────────────┘
                  │                       └──────────────┘                  │
                  │                                                         │
            Not Verified                                                    │
            due to                                                          │
            incorrect                                  ┌──────────────┐
            password/ID                                │ Select the food│
                  │                                     │ to be ordered │
            ┌─────────────┐                             └──────────────┘
            │ Goto login  │                                    │
            │   page      │                                    │
            └─────────────┘                                    │
                                                               │
                                          ┌──────────────┐
                                          │ Items added to│
            ┌─────────────┐               │    cart       │
            │ if to cancle │              └──────────────┘
            │   order      │                      │
            └─────────────┘              ┌──────────────┐
                  │       ┌──────────────┐│ Place order  │
                  │       │ Payment      │└──────────────┘
                  │       │  error       │        │
                  │       └──────────────┘   ┌──────────┐
                  │                            │ Payment  │
                  │       ┌──────────────┐    └──────────┘
                  │       │ Payment      │       ▲      ▲
                  ◆───────│ success fw   │   ┌─────────┐ ┌────────┐
                  │       └──────────────┘   │Through UPI/│ │cash on │
                  │                           │credit/debit│ │delivery│
                  ●                           └─────────┘ └────────┘
                 end
```

Step-2

- User checks the bank balance as well as also demands the mini statement about the bank balance if they want. the user withdraws the money as per their need.
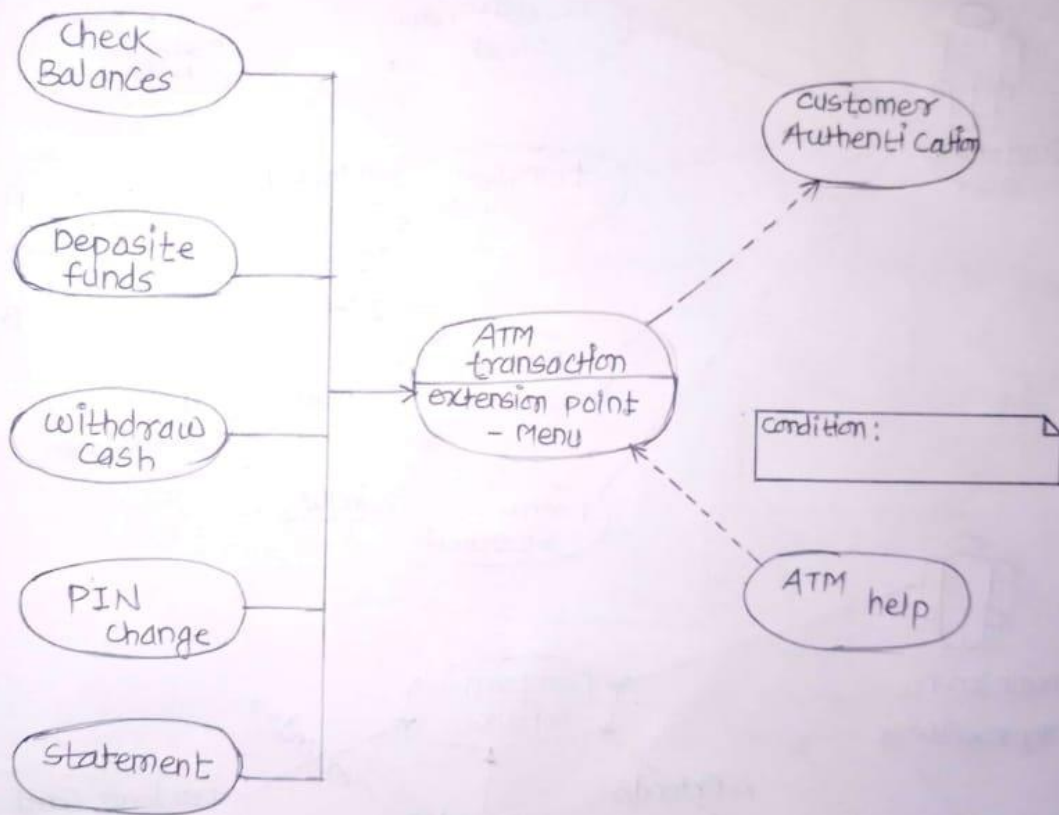

Withdraw Checking

Withdraw Savings

Withdraw Cash

<<extend>>

Customer/User

Deposit Cash Check

insufficient funds.

transfer funds

<<include>>

Bank System

<<include>>

pay bill

<<include>>

Authentication User

Print Statement

<<include>>

maintenance representative

Perform repairs

<<Extend>>

<<extend>>

perform card reader repair

Perform Cash dispensers repairs

<<Extend>>

Perform printer Repairs

Q.2 → Design Sequence diagram for ATM System taking into consideration different scenarios.
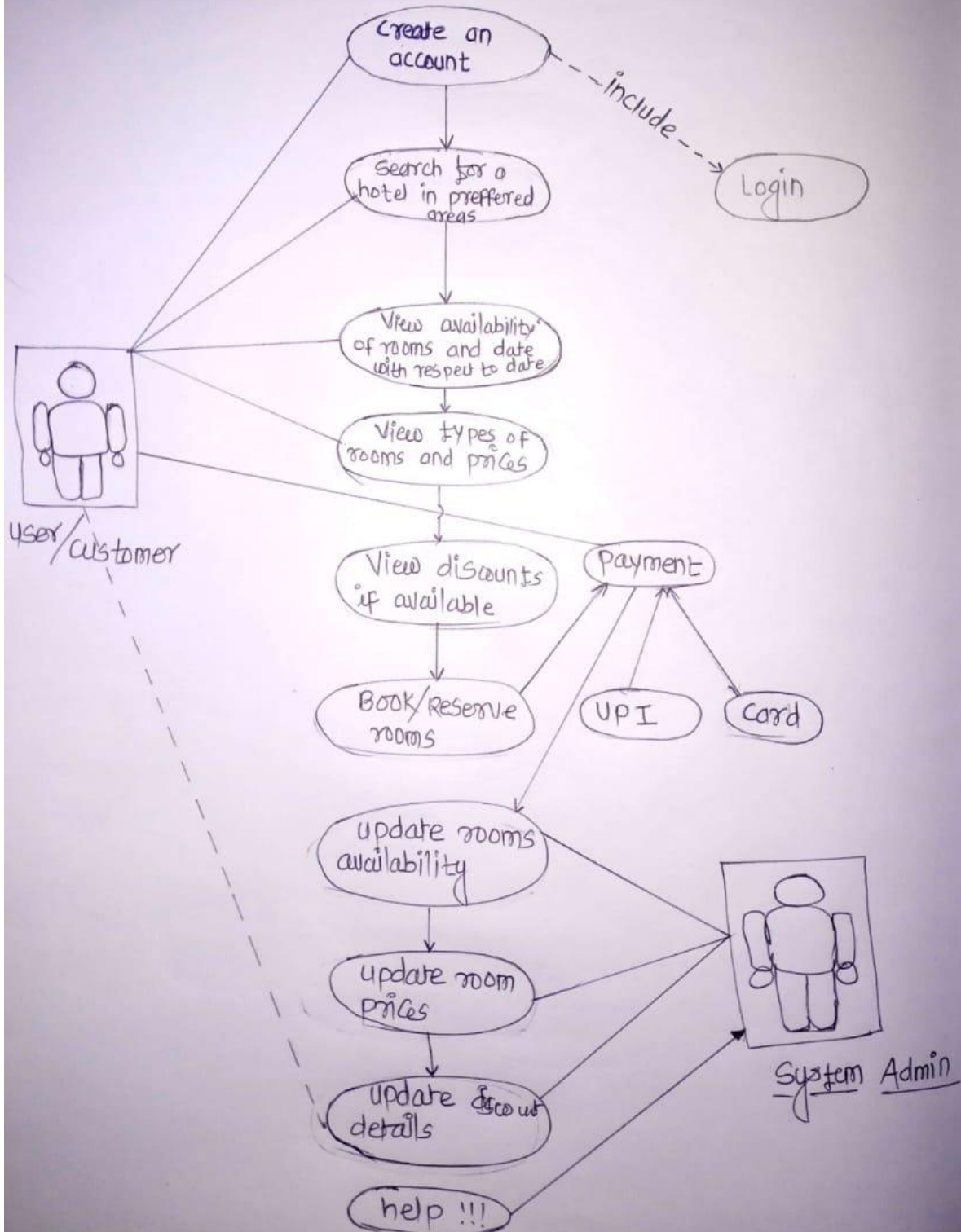
→ Some scenarios as follows.

① Diagram for Customer Authentication :-
- the user is Authenticated when enters the ATM card in a Bank ATM. for every ATM transaction, A customer Authentication user case is required and essential.

Use Case diagram :-

① Implement hotel management System. through use Case diagram
→ online mode :-

Create an account

Search for a hotel in preffered areas

View availability of rooms and date with respect to date

View types of rooms and prices

View discounts if available

Book/Reserve rooms

Payment

UPI

Card

Login

---include--->

user/customer

update rooms availability

update room prices

update discount details

help !!!

System Admin

Q.4. Design the activity diagram for Student Attendence management System.

Student   Admin   Teacher

Start → Log in —check on→ Database

Database → ◇

◇ —Data found→ Class

Class → Attendence

Database ←—update on— Attendence

◇ —Data not found→ (End)

Attendence → Log out

Log out —Send to home page→ (End)