Digital Assignment - 2
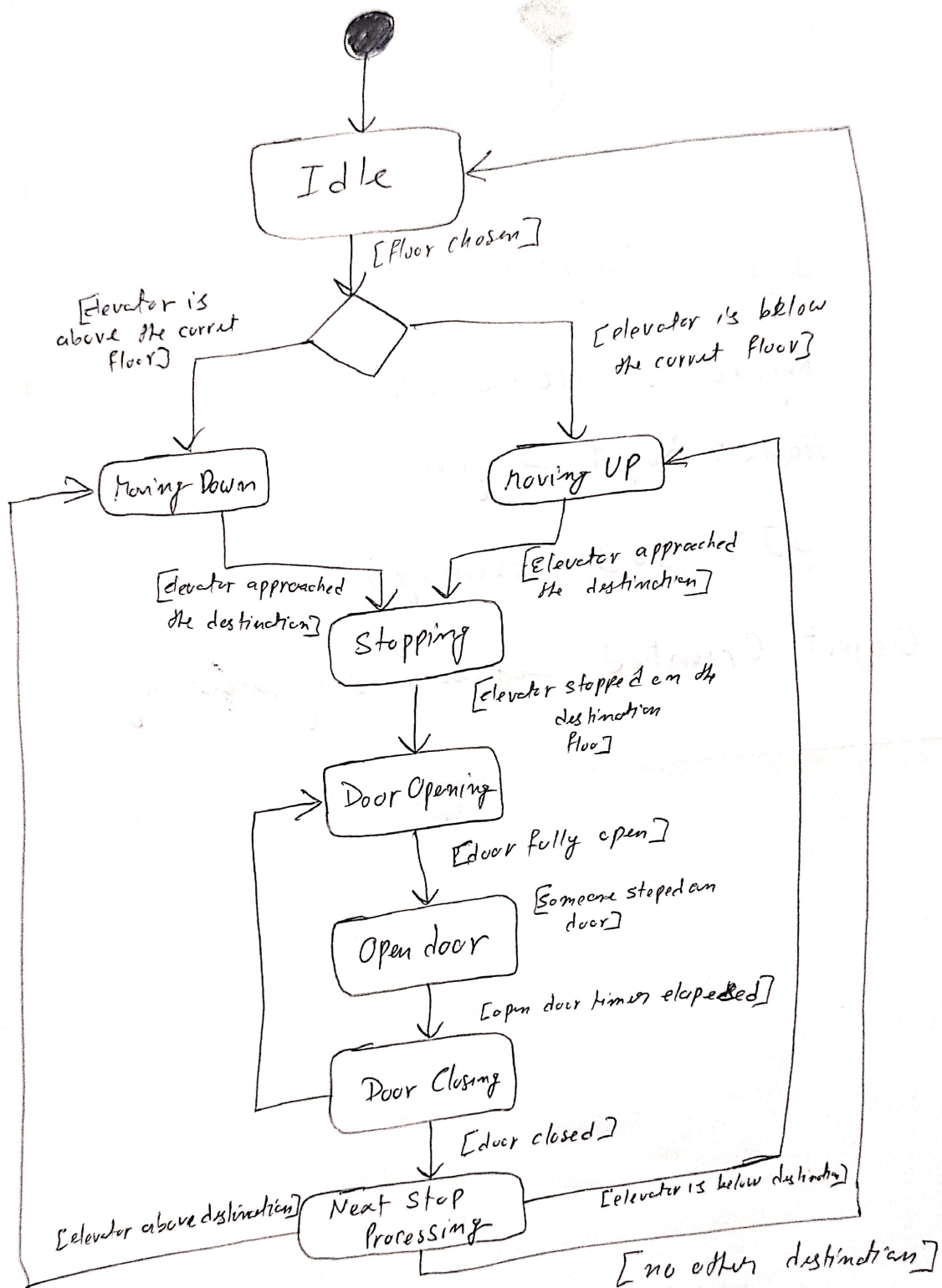
Reg. no: 22MCA0139

Name: Rajat Singh

SJT 103 (evening)

Object Oriented Software Engineering
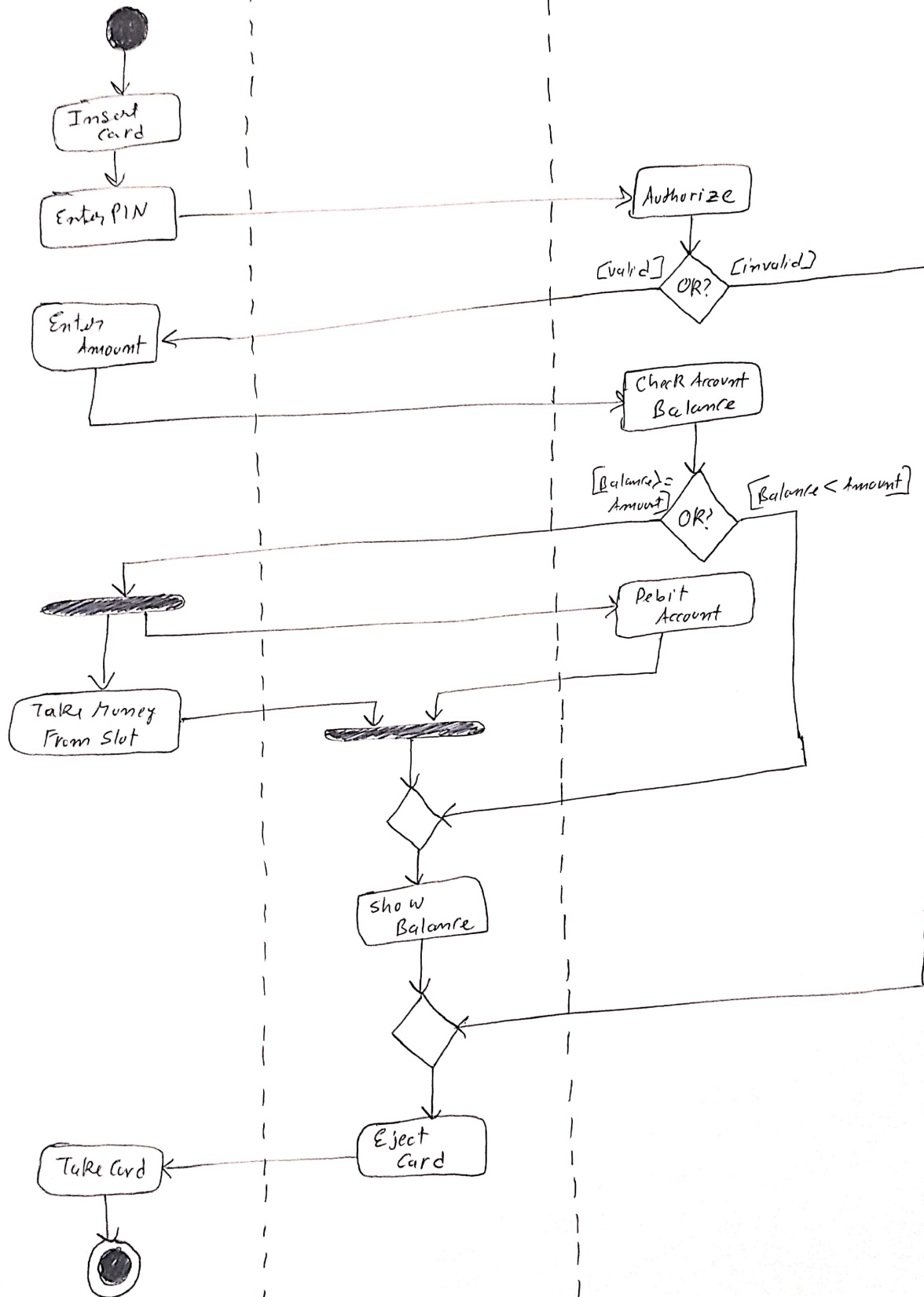
Elevator State Diagram

Elevator State Diagram

- Idle
  - [Floor chosen]
  - [Elevator is above the current floor]
  - [Elevator is below the current floor]
- Moving Down
  - [elevator approached the destination]
- Moving UP
  - [Elevator approached the destination]
- Stopping
  - [Elevator stopped on the destination floor]
- Door Opening
  - [door fully open]
  - [Someone stoped on door]
- Open door
  - [open door timer elapesed]
- Door Closing
  - [door closed]
- Next Stop Processing
  - [Elevator above destination]
  - [Elevator is below destination]
  - [no other destination]

CUSTOMER	ATM MACHINE	BANK

CUSTOMER
- ● (start)
- Insert Card
- Enter PIN
- Enter Amount
- Take Money From Slot
- Take Card
- ◉ (end)

ATM MACHINE
- Show Balance
- Eject Card

BANK
- Authorize
- OR? [valid] / [invalid]
- Check Account Balance
- OR? [Balance >= Amount] / [Balance < Amount]
- Debit Account

Activity Daigram
ATM Machine