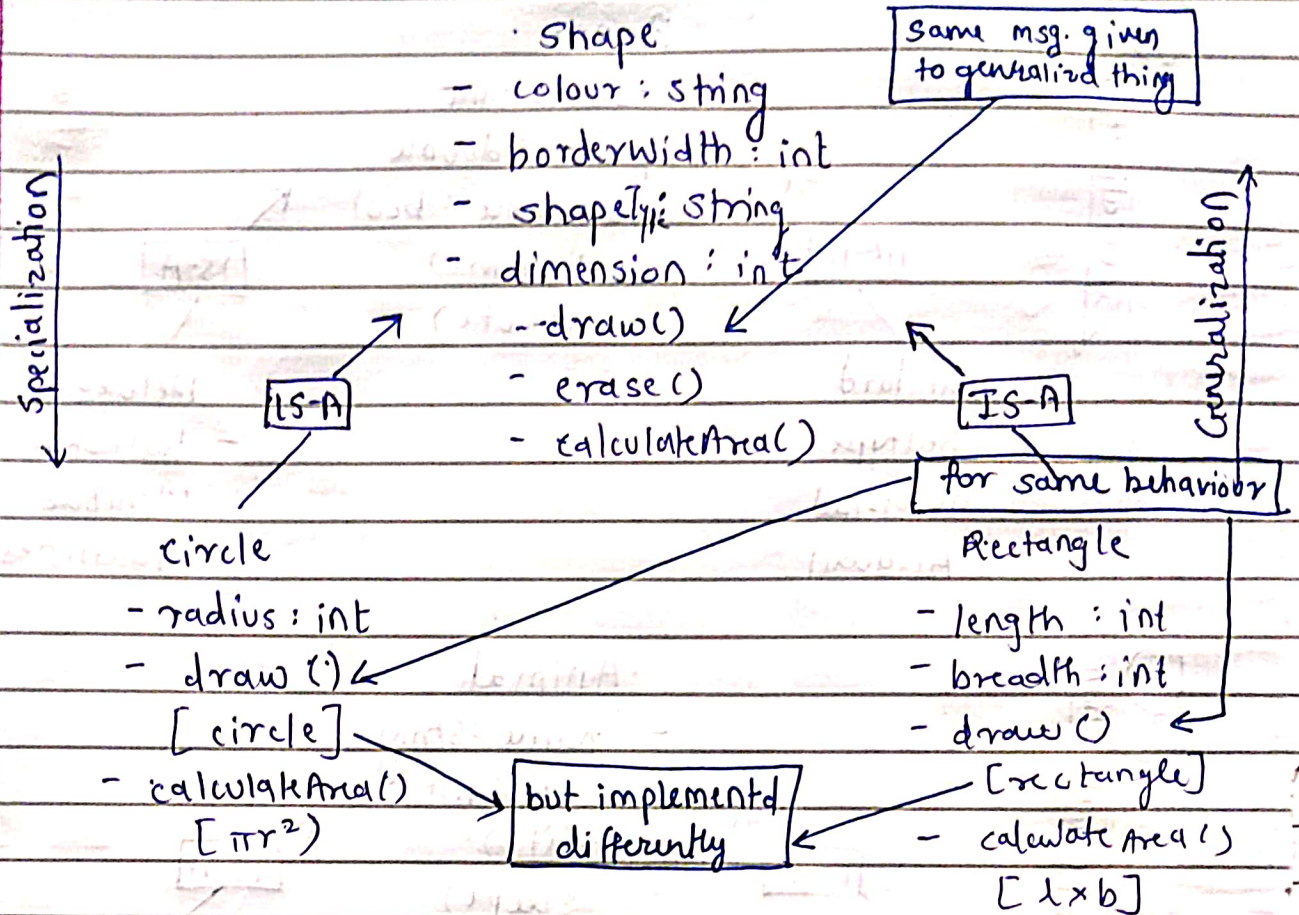
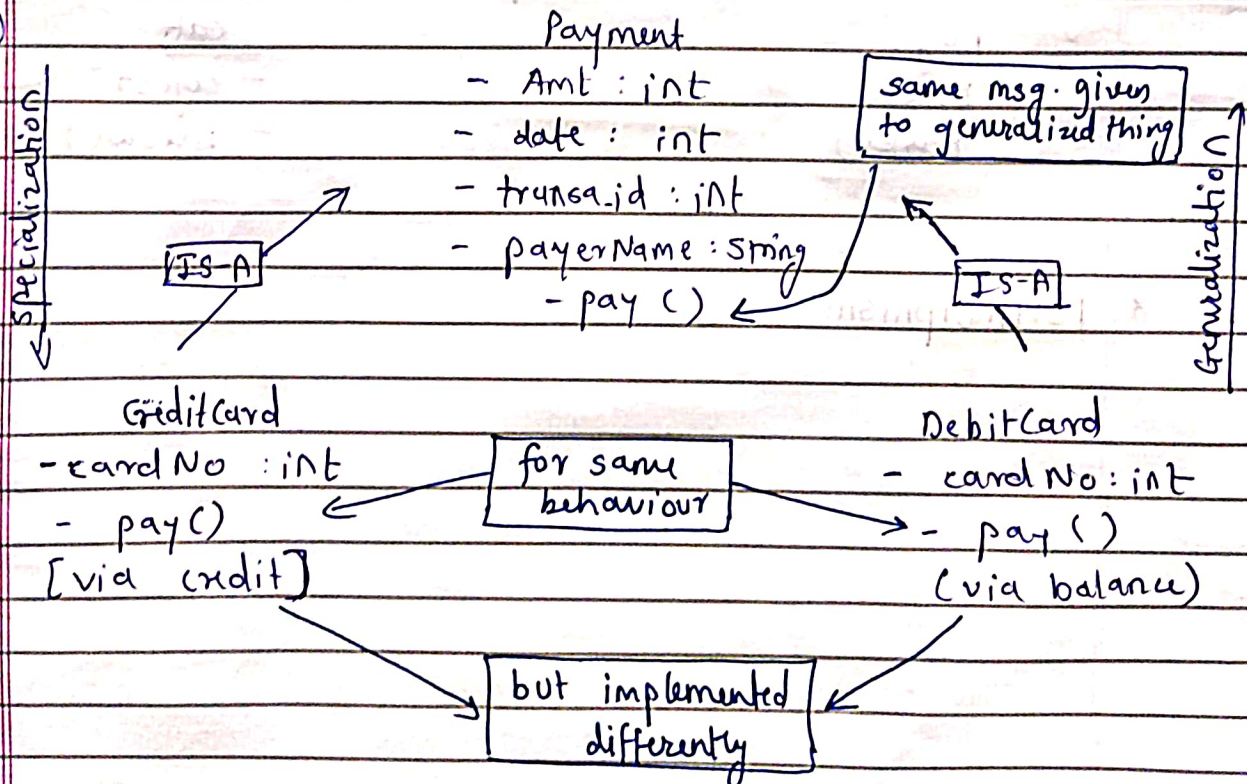


* Polymorphism:

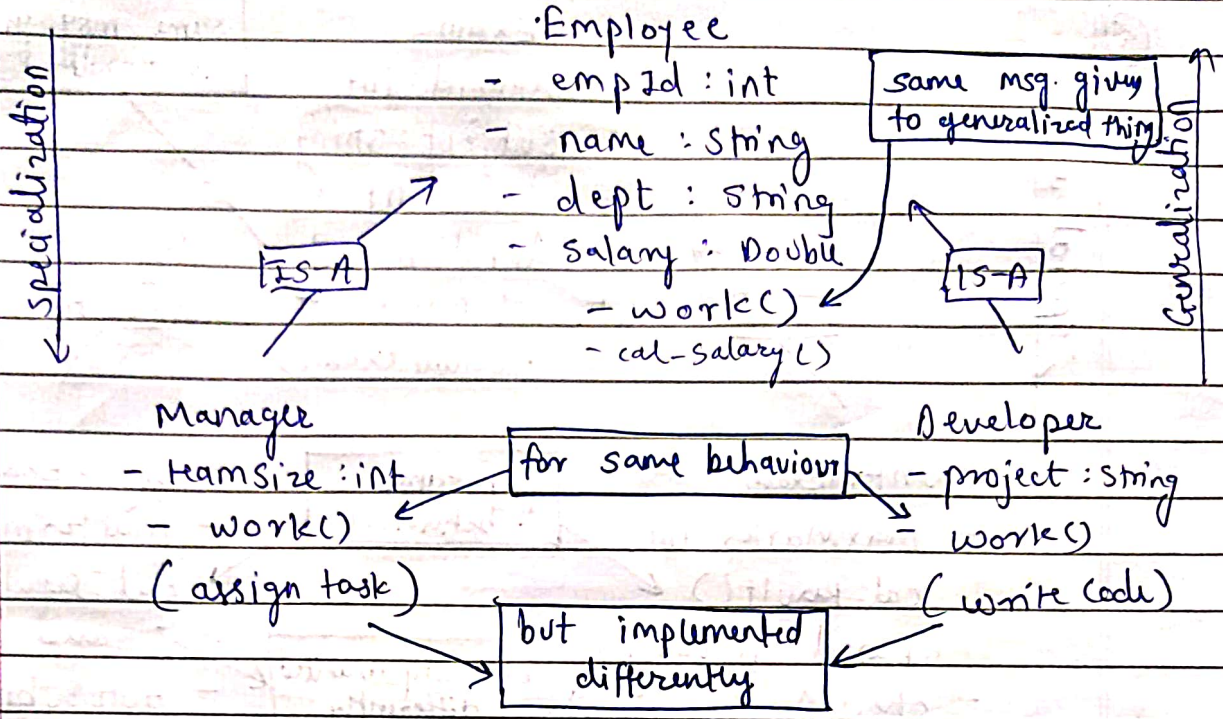
①



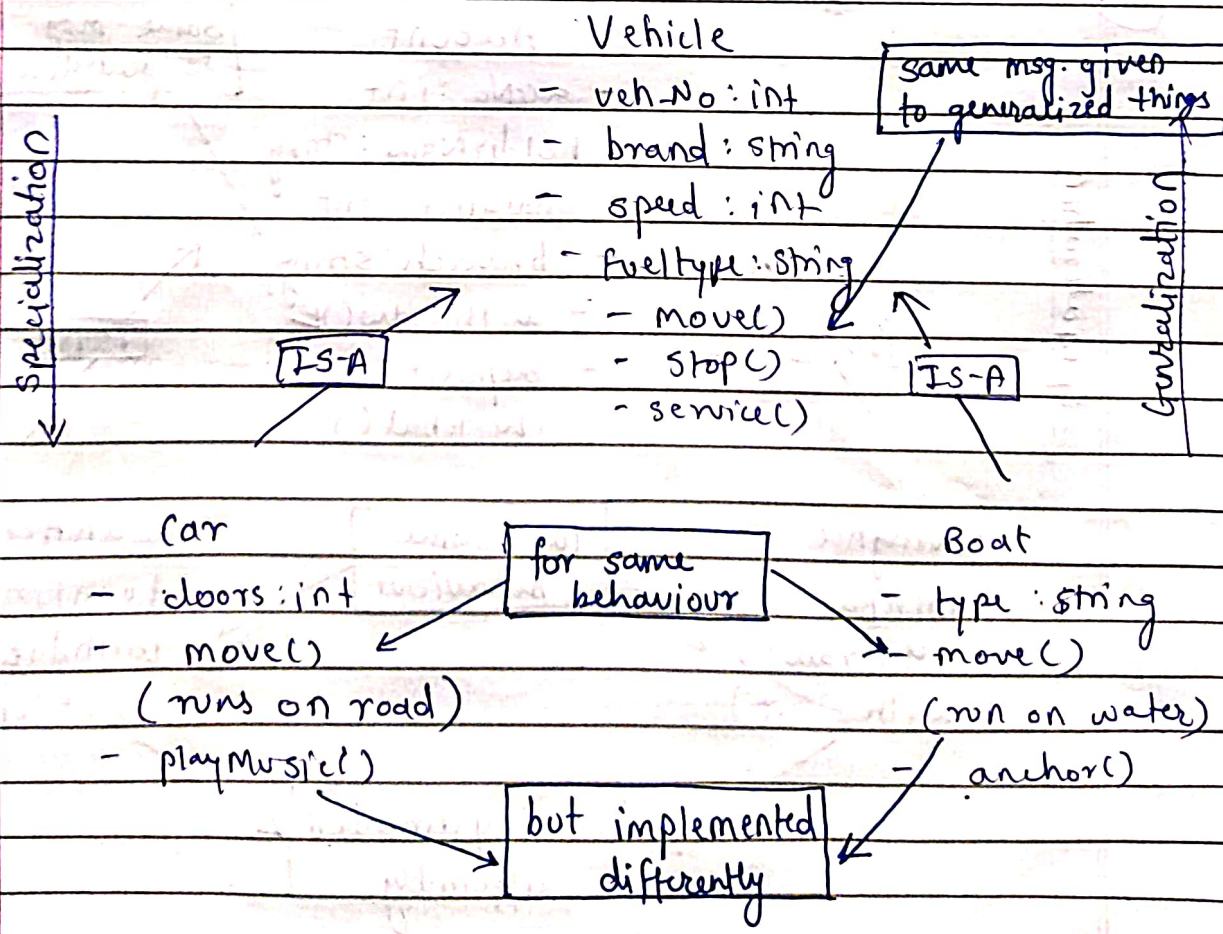
②



3



4



③

Specialization
↓

IS-A

Exam
- exam-id: int
- subject: string
- date: int
- duration: int
- cal-Result()
- scheduleExam()

Same msg. given to generalized things

IS-A

Generalization
↑

WrittenExam

- maxMarks: int
- cal-Result()
(based on theory)
- checkAns()

for same behaviour

OnlineExam

- platform: string
- cal-Result()
(based on MCQ's)
- autoSubmit()

but implemented differently

④

Specialization
↓

IS-A

Account
- accNo.: int
- holderName: string
- balance: int
- branch: string
- withdraw()
- deposit()
- checkBal()

Same msg. given to generalized things

IS-A

Generalization
↑

SavingAcc.

- minBal: int
- withdraw()
(with limit)

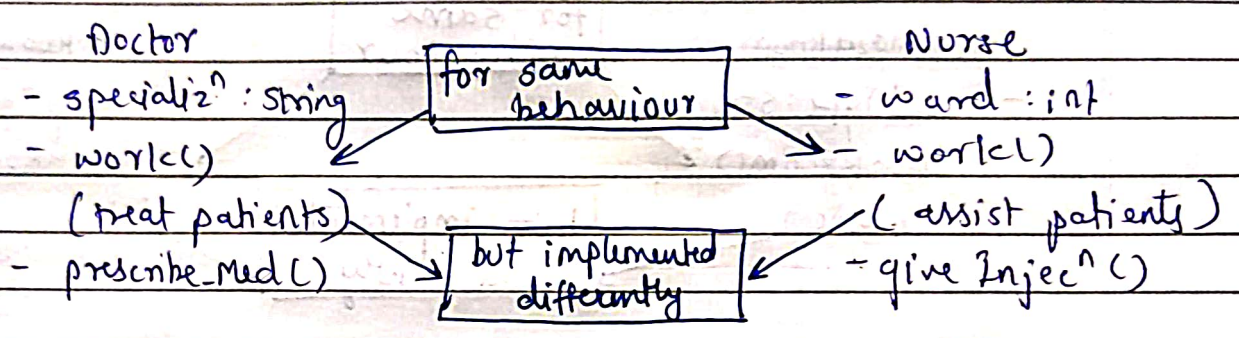
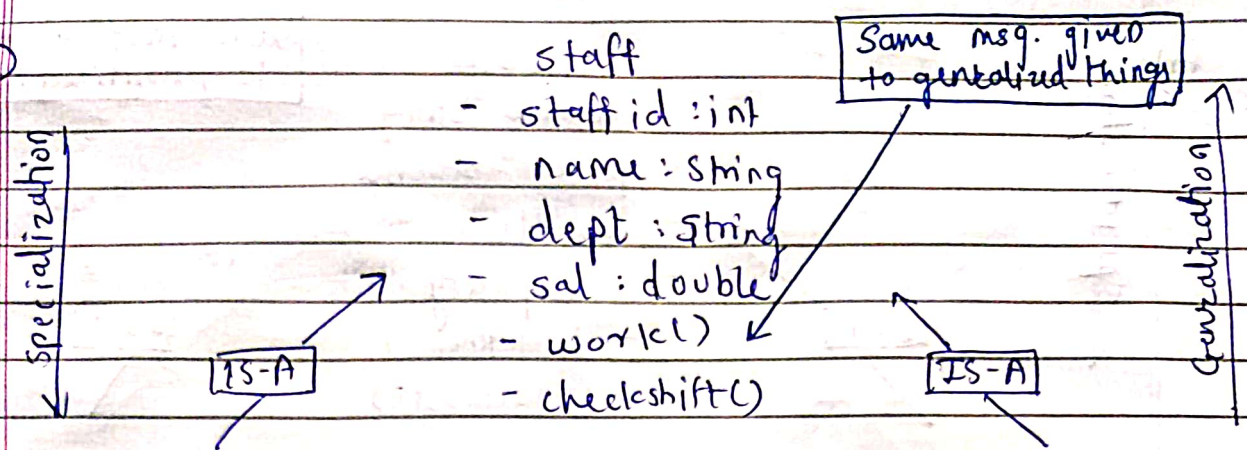
for same behaviour

LoanAcc.

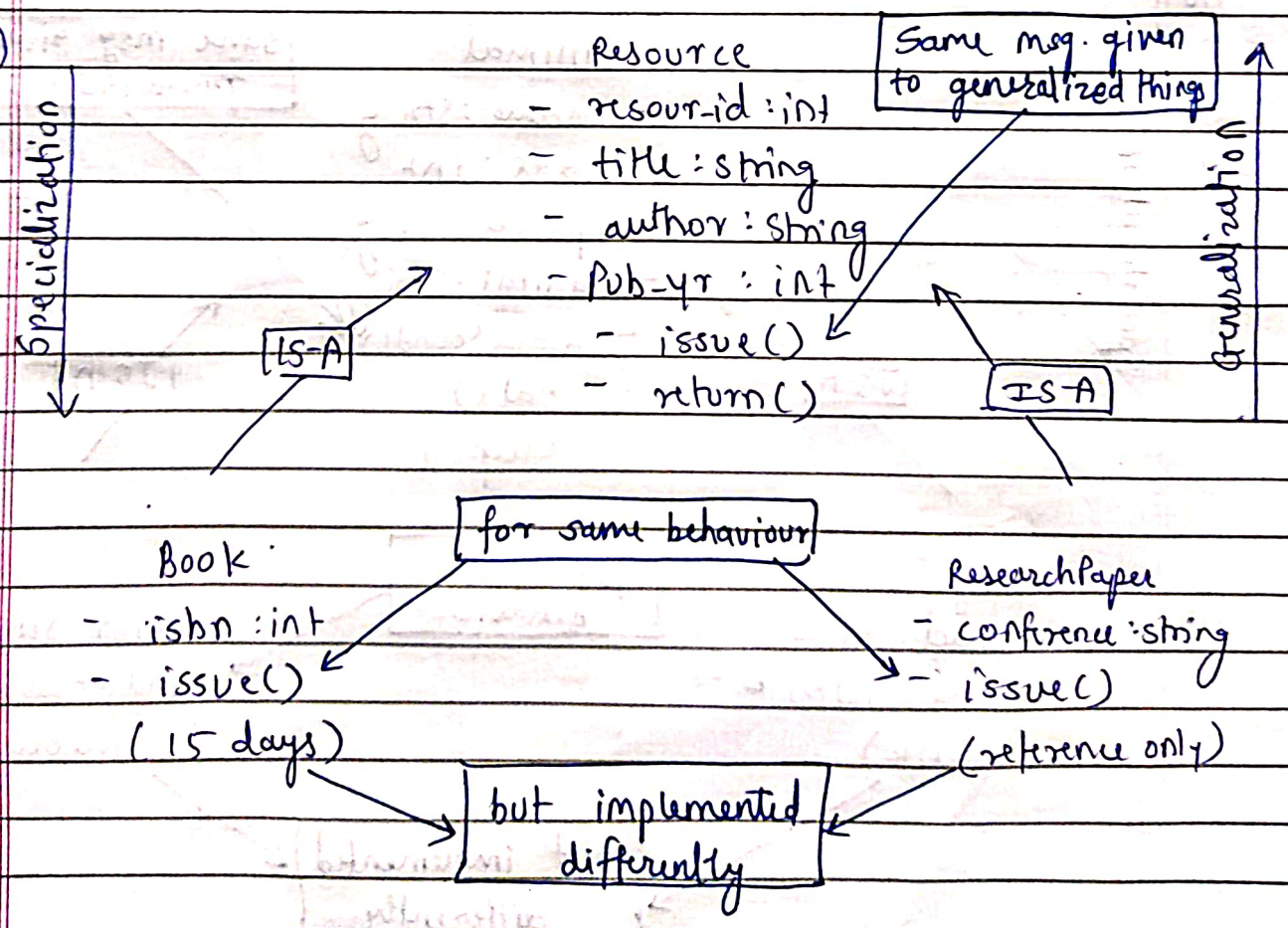
- loanAmt: int
- withdraw()
(restricted)

but implemented differently

7



8



9

Specialization
↓

IS-A

Room

- roomNo : string
- price : double
- available : bool
- capacity : int
- bookRoom()
- checkOut()

same msg. given to generalized thing

IS-A

Generalization
↑

Standard Room

- bedType : string
- bookRoom()

(basic)

for same behaviour

Suite Room

- luxuryFacility : string
- bookRoom()

(luxury stay)

but implemented differently

10

Specialization
↓

IS-A

Animal

- name : string
- age : int
- species : string
- habitat : string
- makeSound()
- eat()
- sleep()

same msg. given to generalized thing

IS-A

Generalization
↑

Dog

- breed : string
- makeSound()

(bark)

for same behaviour

Cat

- color : string
- makeSound()

(meow)

but implemented differently