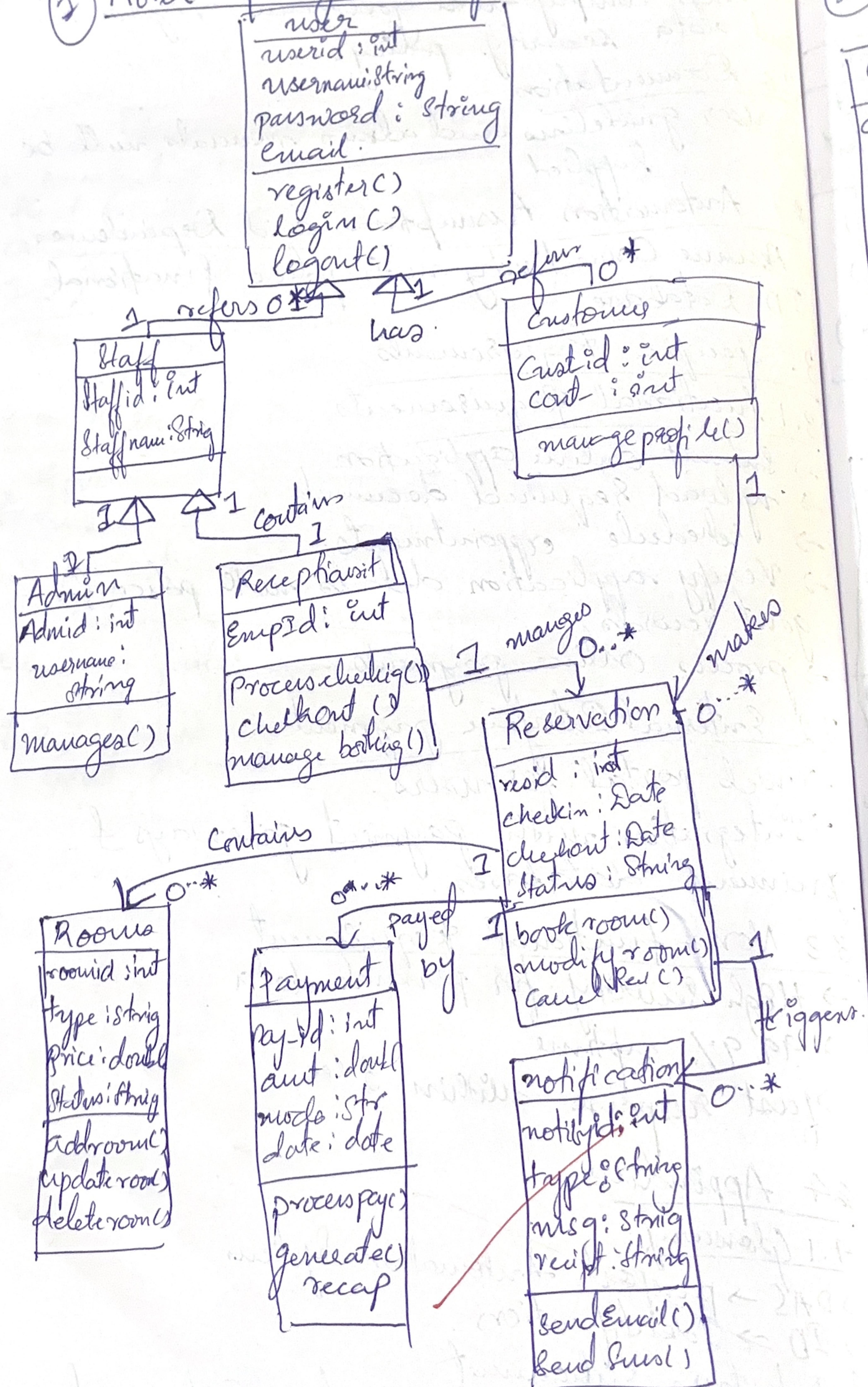
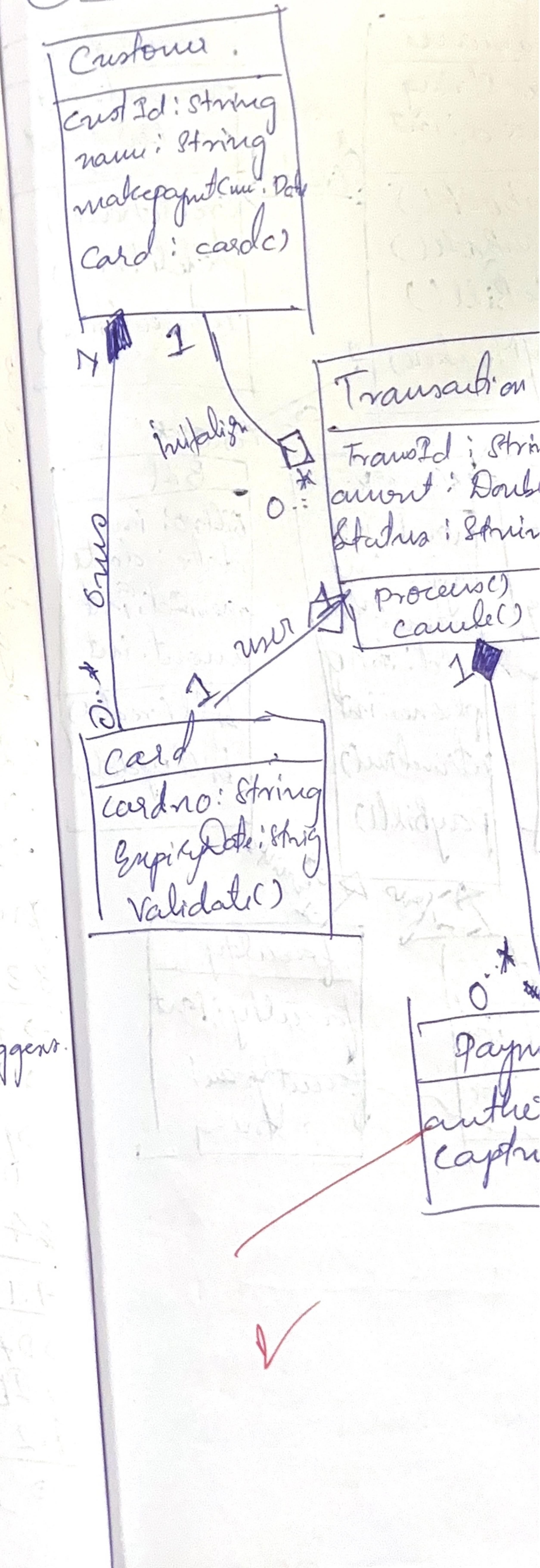


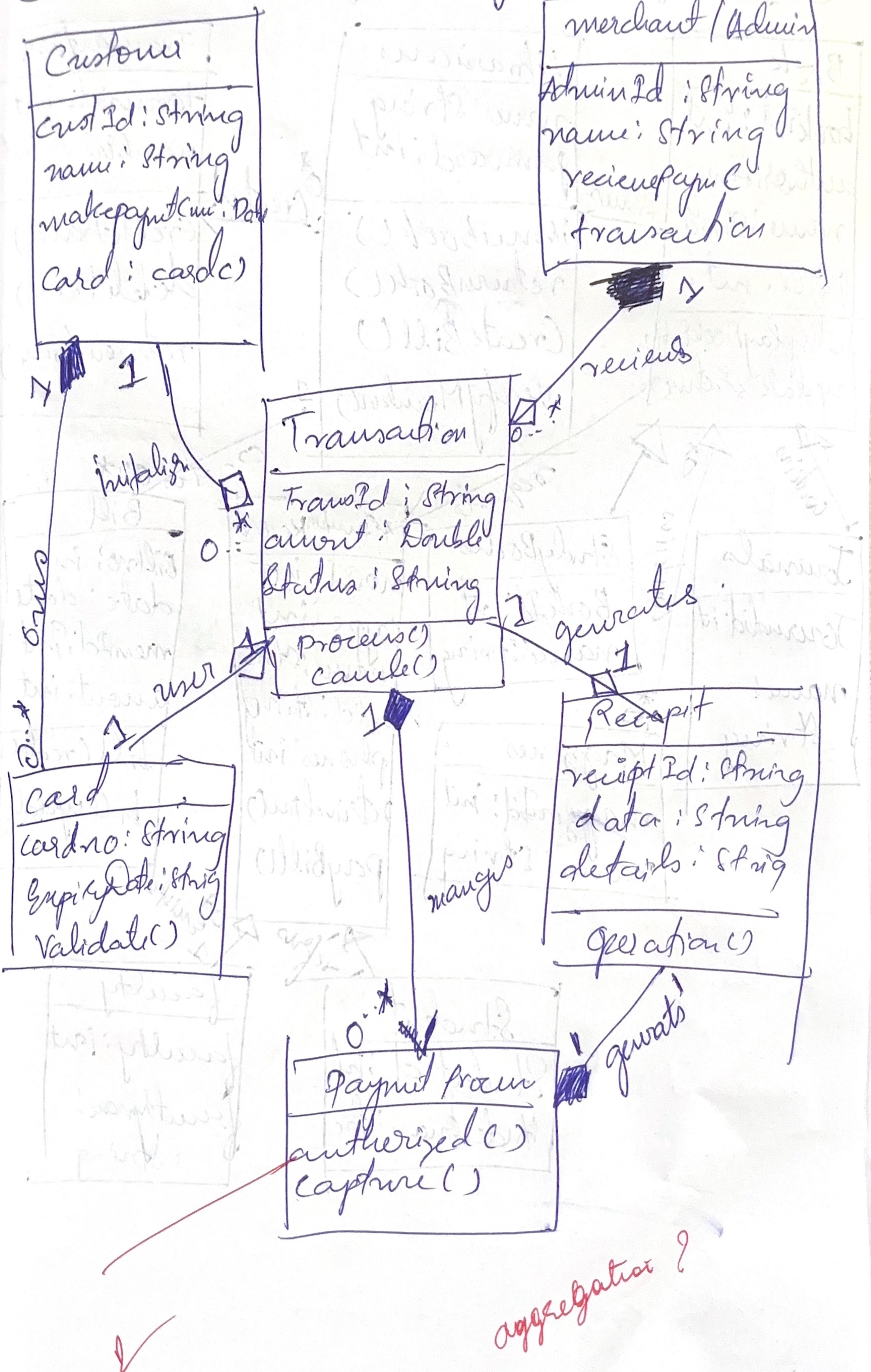
## ① Hotel Management System Class Diagram



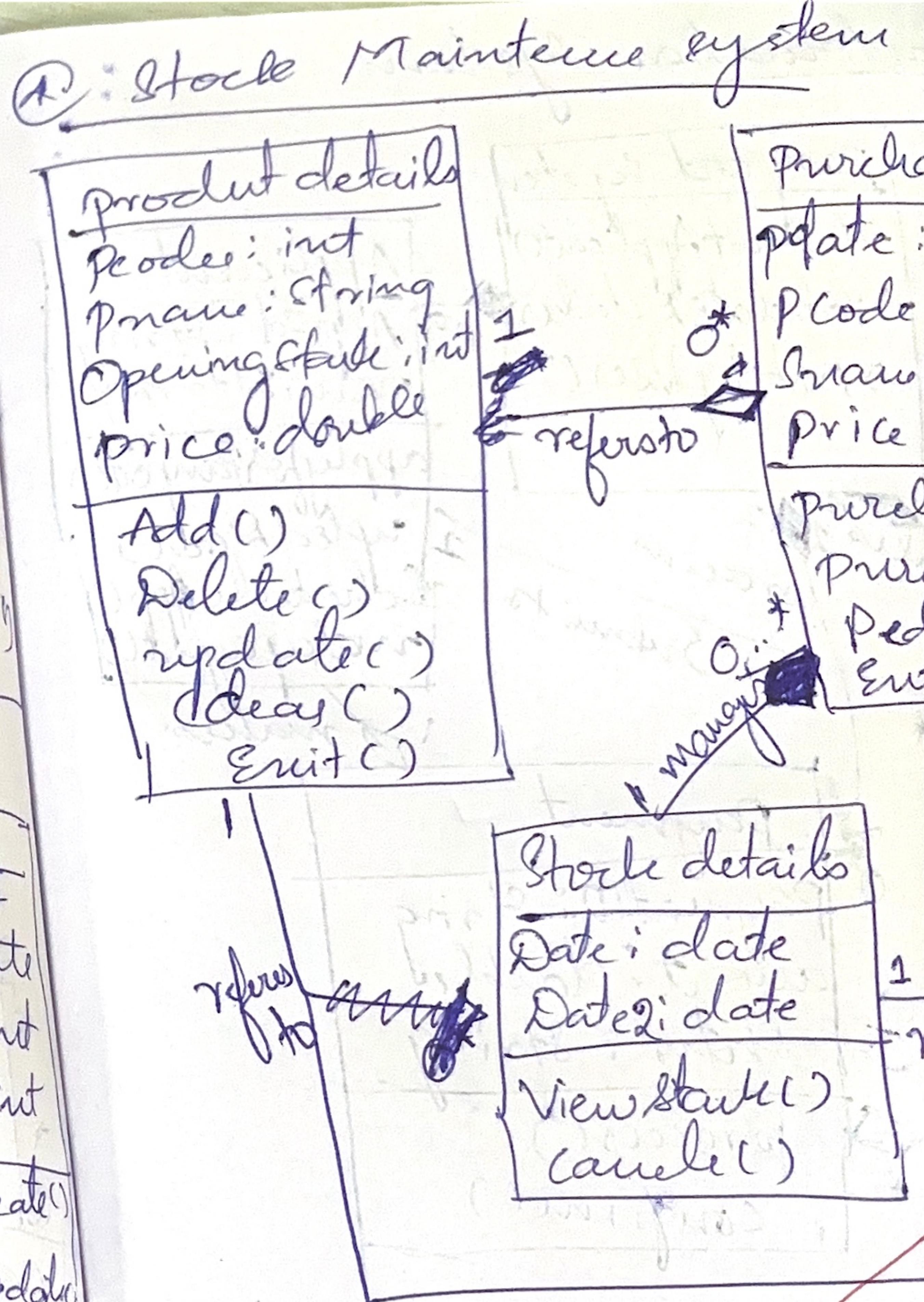
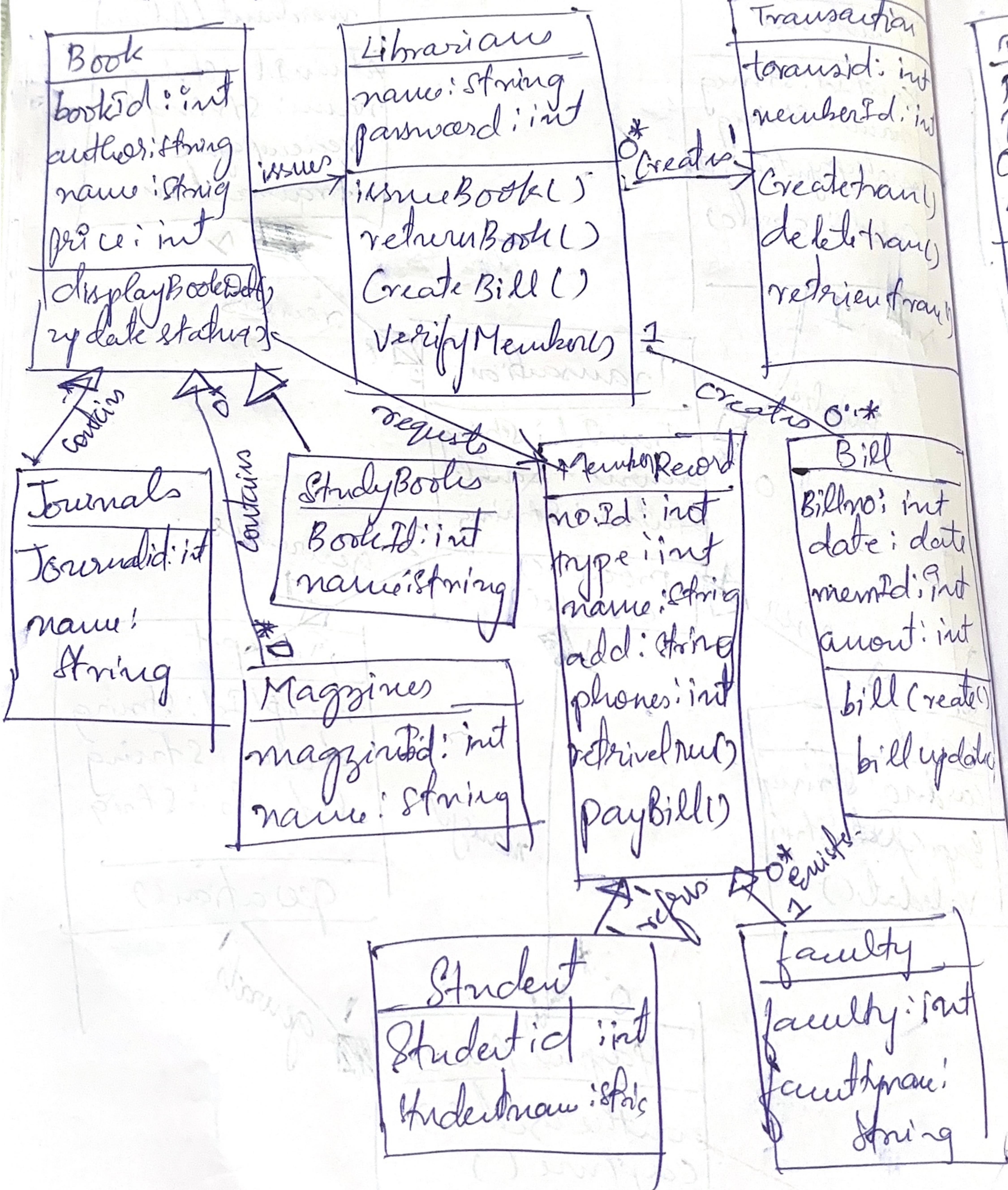
## ② Credit Card Processing



## ② Credit Card processing




### ③ Library Management System



Vague  
Composition?

Composition  
→ where Class A has  
class B is composed  
cannot exist in

# ① Stock Maintenance System

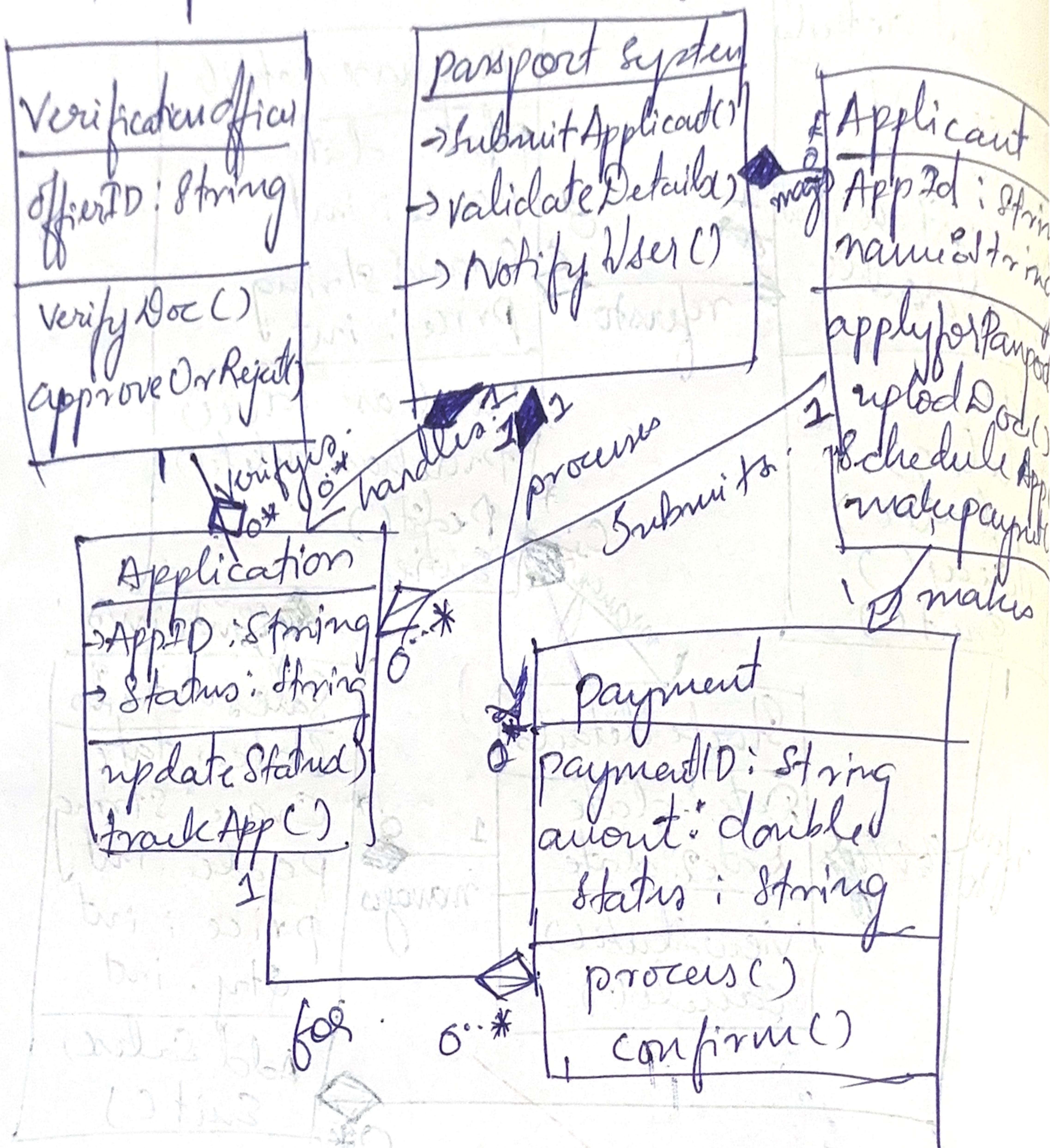


Qty  
Qty: int  
Sname:  
String

Voice  
Composition?

Composition  
→ where Class A has an instance of class B,  
class B is composed inside class A and  
cannot exist independently without class A.

## ⑤ Passport Automation System



### Aggregation

- Has a relationship where class A has an instance of class B, but class B is not contained inside class A and can exist independently without class A.
- both the classes depend on each other and use each other but none of them are contained inside one another.

Aggregation