

LAB-3

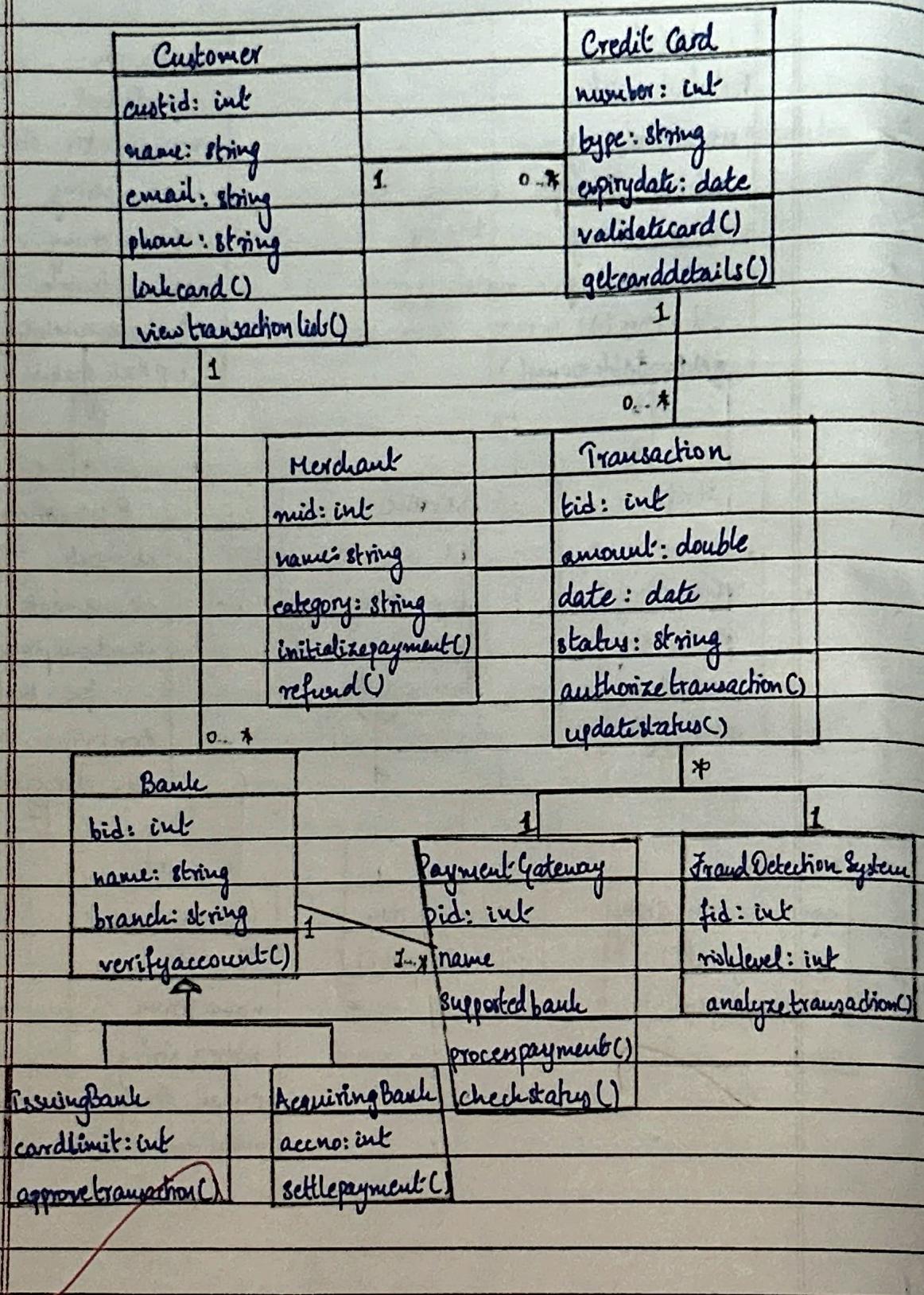
Class Diagram (Hotel Management System)

Hotel		Room
hotelid: int		roomid: int
name: string		roomnumber: string
address: string		type: string
phone: string	1	status: string
email: string		price: double
addroom()		check_availability()
getavailablerooms()		updatestatus()
	1	1
	*	0..*

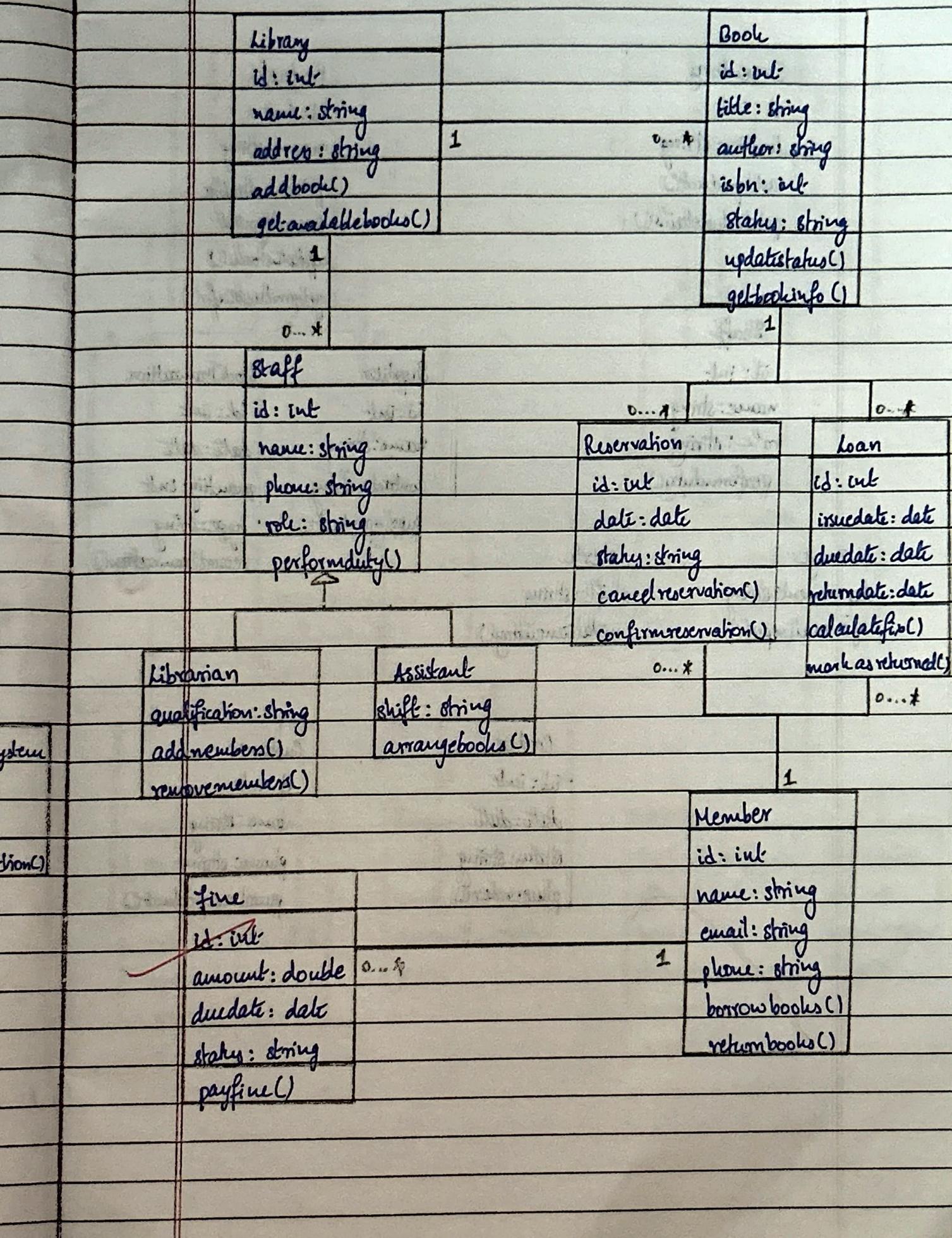
Staff	Service	Reservation
id: int	id: int	id: int
name: string	type: string	checkindate: date
phone: string	cost: double	checkoutdate: date
role: string	assigntoguest()	status: boolean
performduty()	*	Confirmreservation()
		cancelreservation()
		1

Receptionist	Manager	Guest	Payment
specialization: string	department: string	id: int	id: int
checkinguest()	generatereport()	name: string	amount: double
checkoutguest()		address: string	date: date
		email: string	method: string
		makereservation()	processpayment()

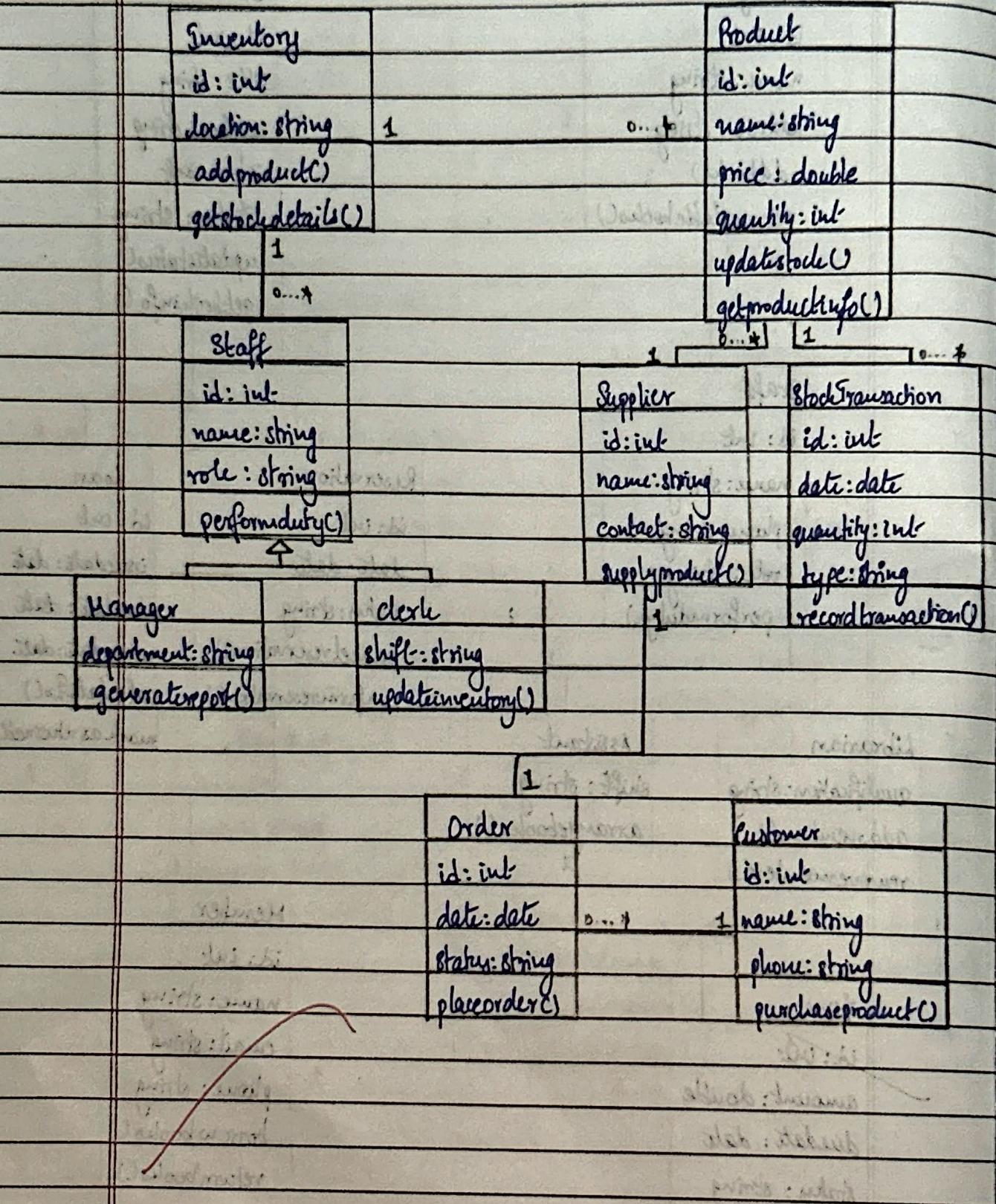
Class Diagram (Credit Card Processing)



Class Diagram (Library Management System)



16/09/25

Lab - 4Class Diagram (Stock Maintenance System)

Class Diagram (Passport Automation System)

User			Passport
id: int			passportno: int
name: string			issuedate: date
dob: date			
1			1
address: string			name: string
age: int			nationality: string
email: string			expirydate: date
register()			* getdetails()
login()			renew()
*			
	1	1	*

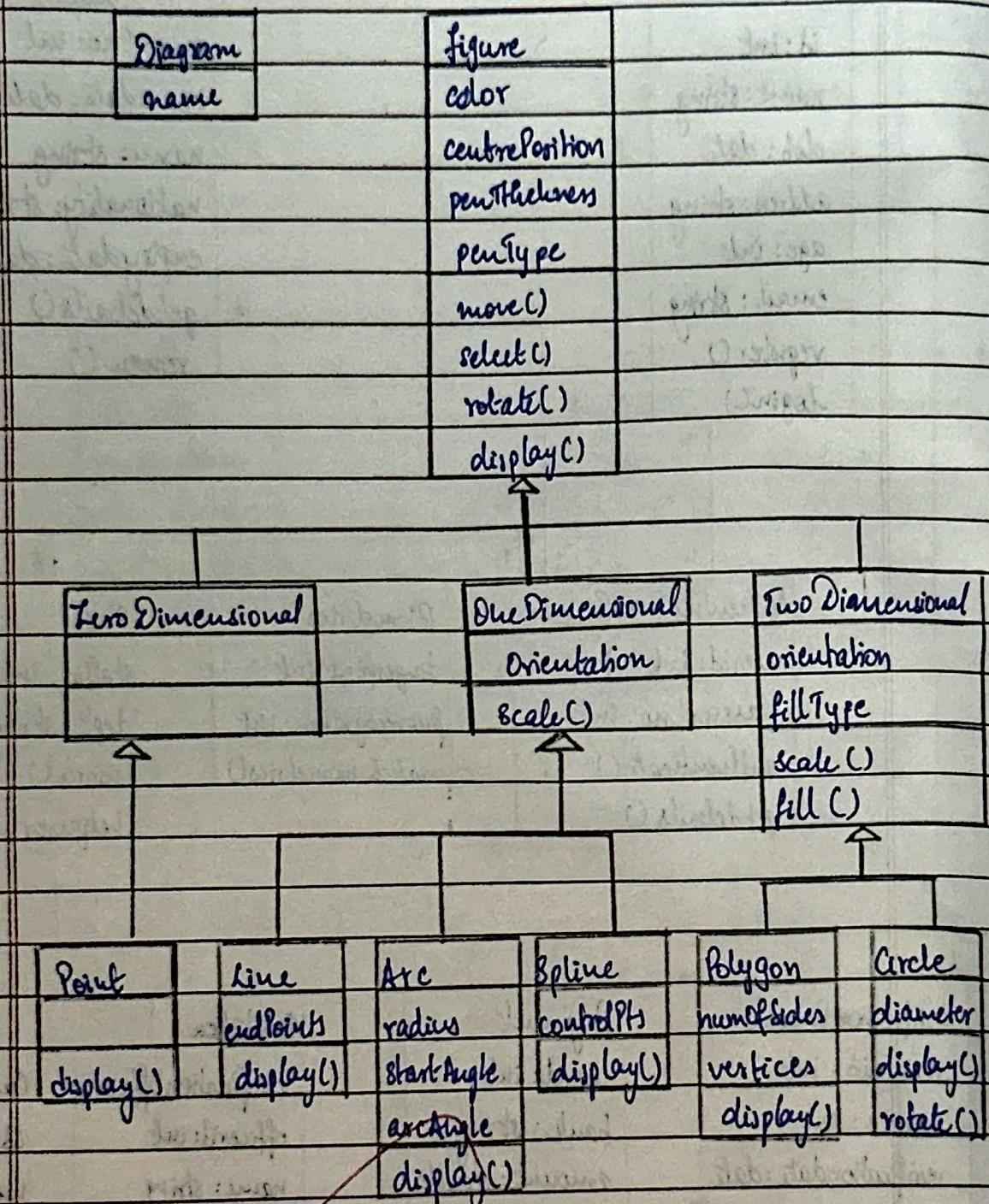
AuthenticationSystem		Biometrics	Staff
userid: int	1 *	fingerprint: int	staffid: int
passportno: int		facerecognition: int	dept: string
authenticate()		matchbiometrics()	work()
getdetails()			helpuser()

Verification Record	Payment	Validation	Identification Officer	Customer Care
recordid: int	wmid: int		officerid: int	id: int
userid: int	bank: string		name: string	name: string
verificationdate: date	amount: double		designation: string	help()
updatestatus()	pay()		approve()	
getrecord()			reject()	

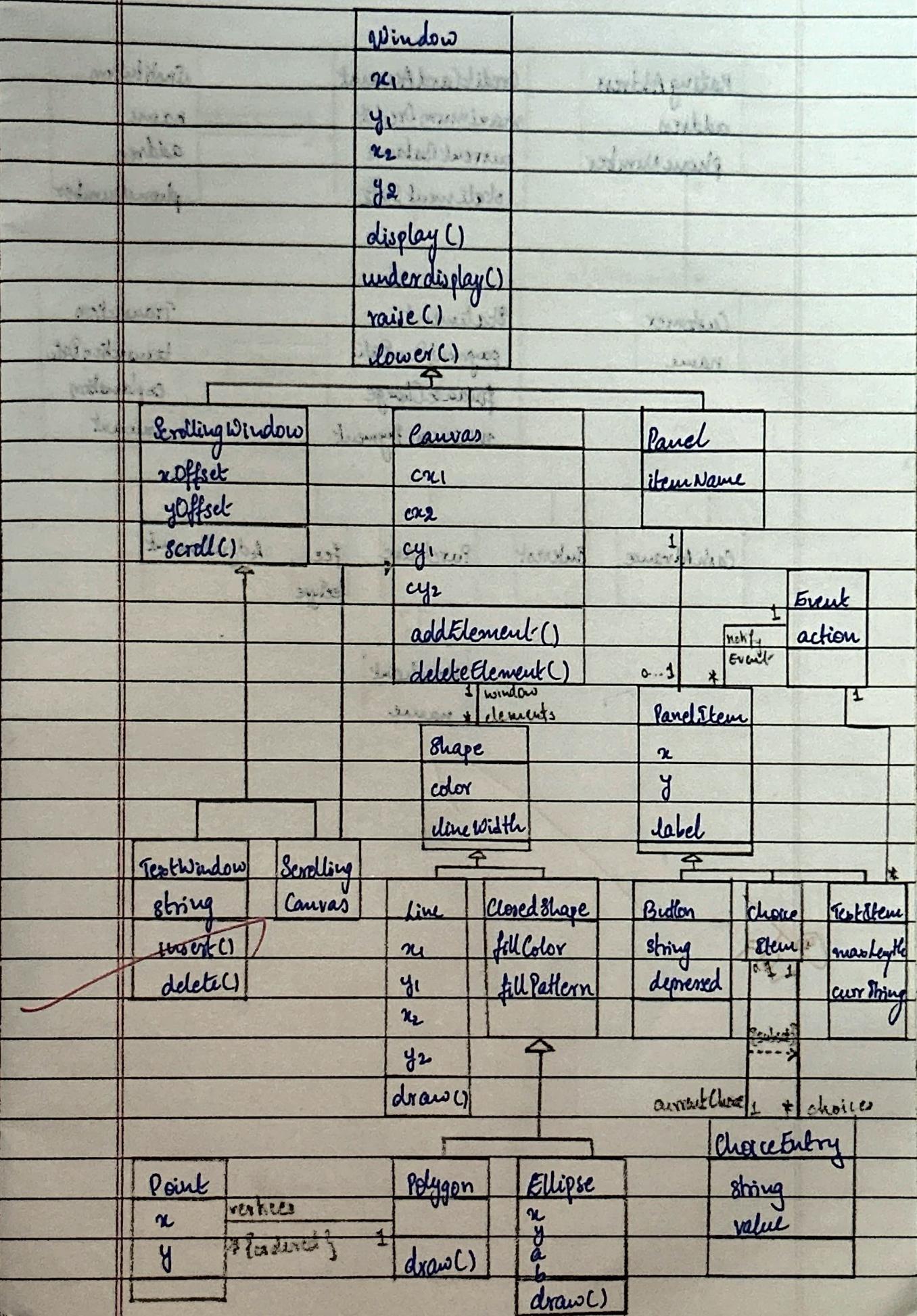
Practice Class Diagrams

Date _____
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① Inheritance for graphic figures (pg. 39)



① Class Model of a windowing system (pg. 42)



③ Class model for managing credit card accounts (Pg. 44)

