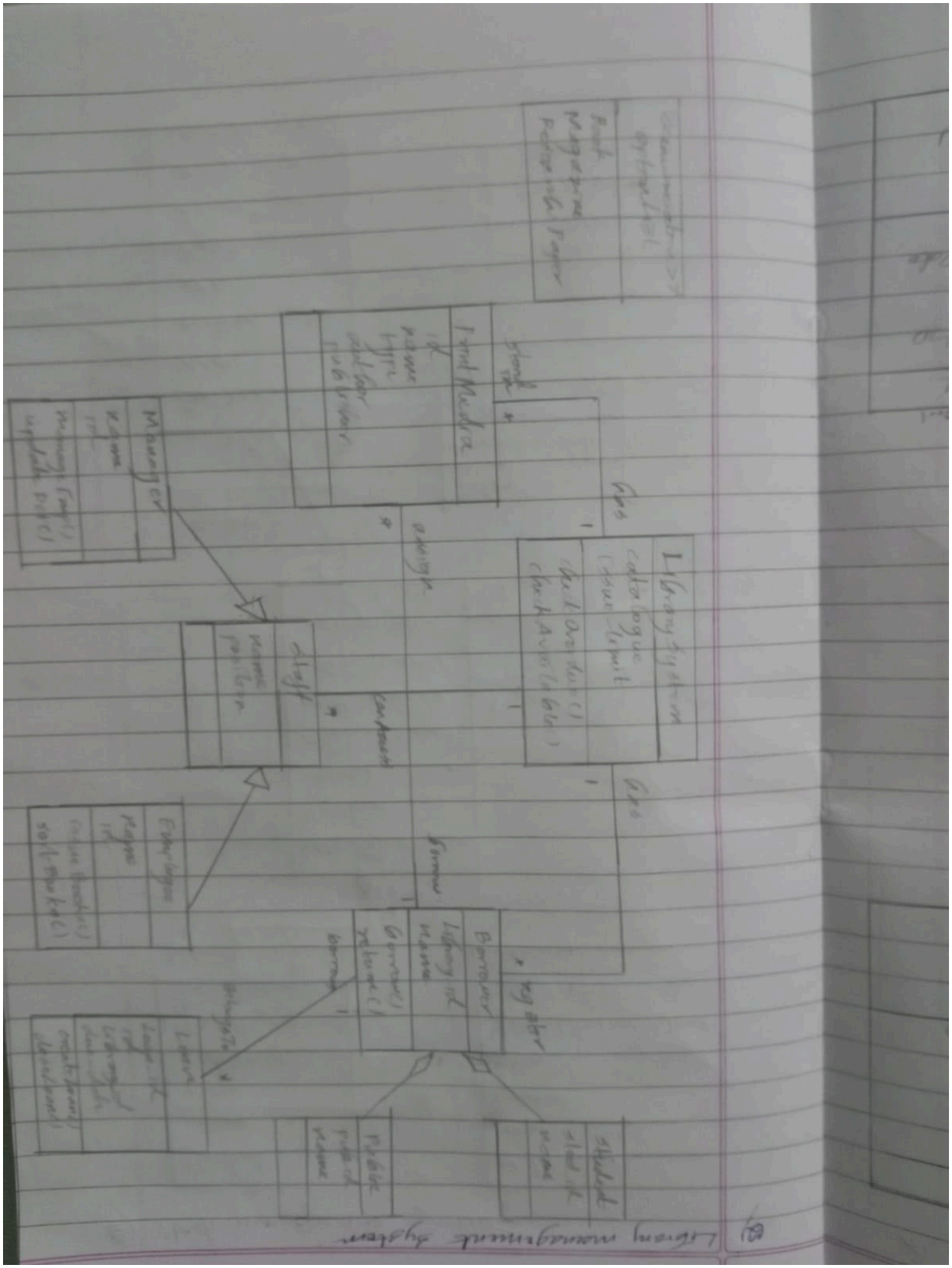
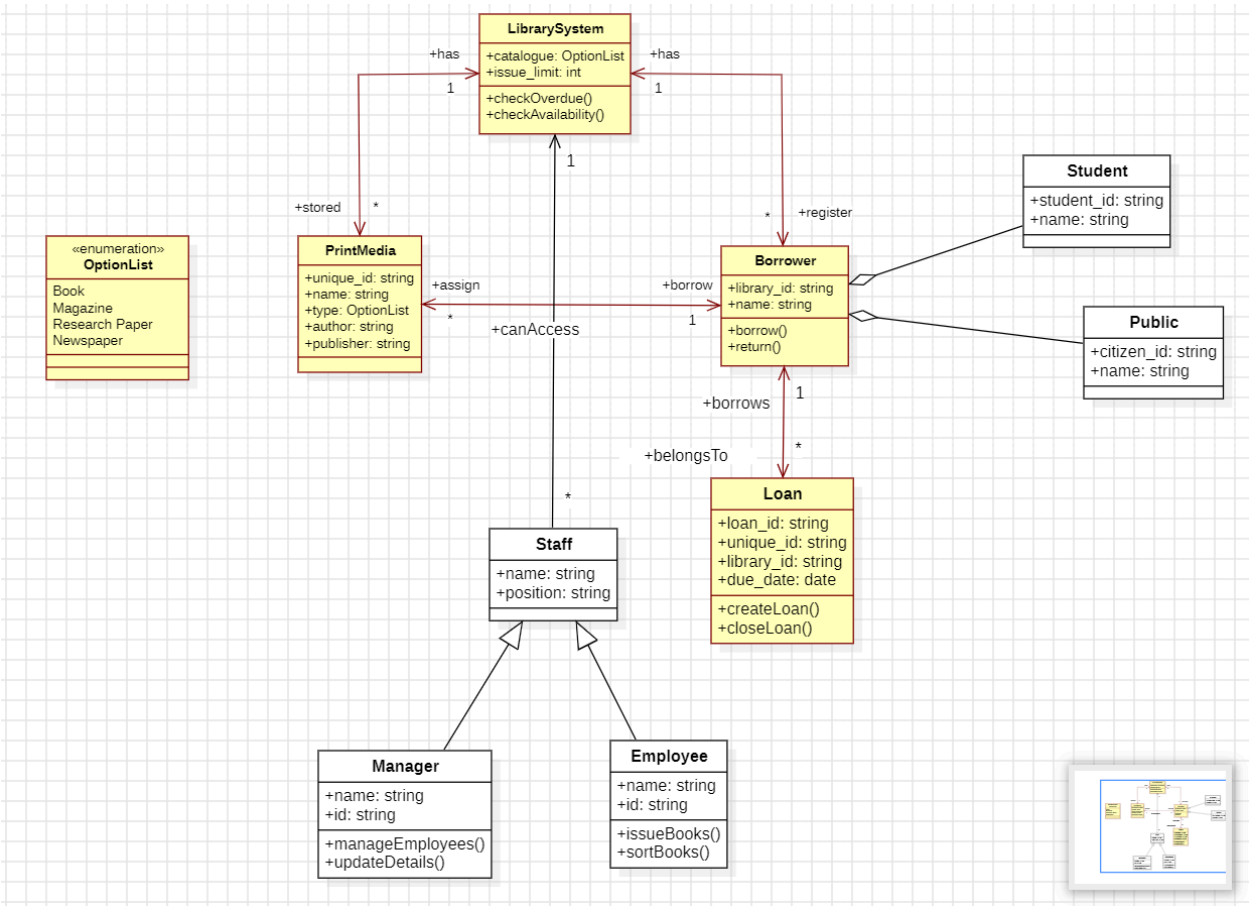
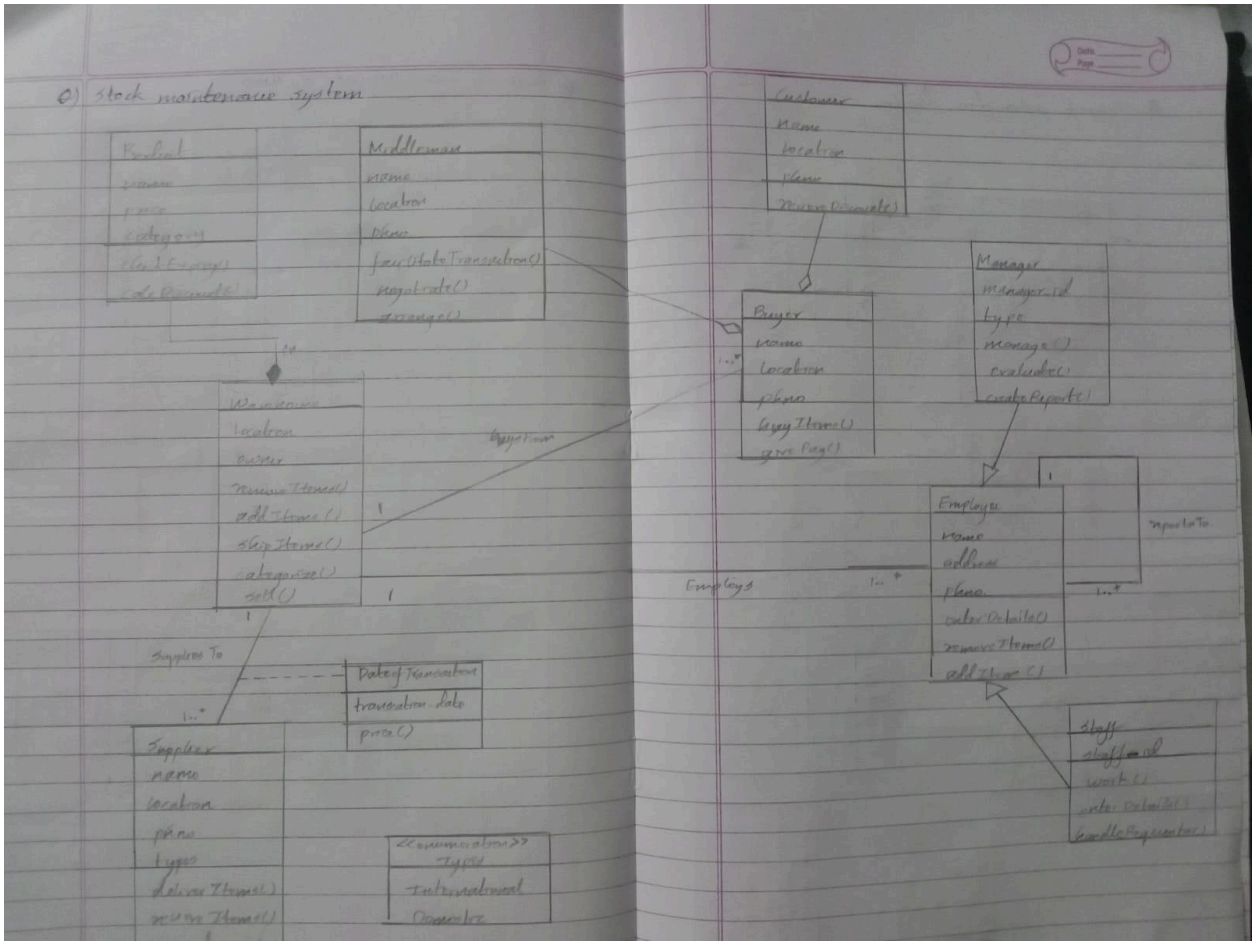
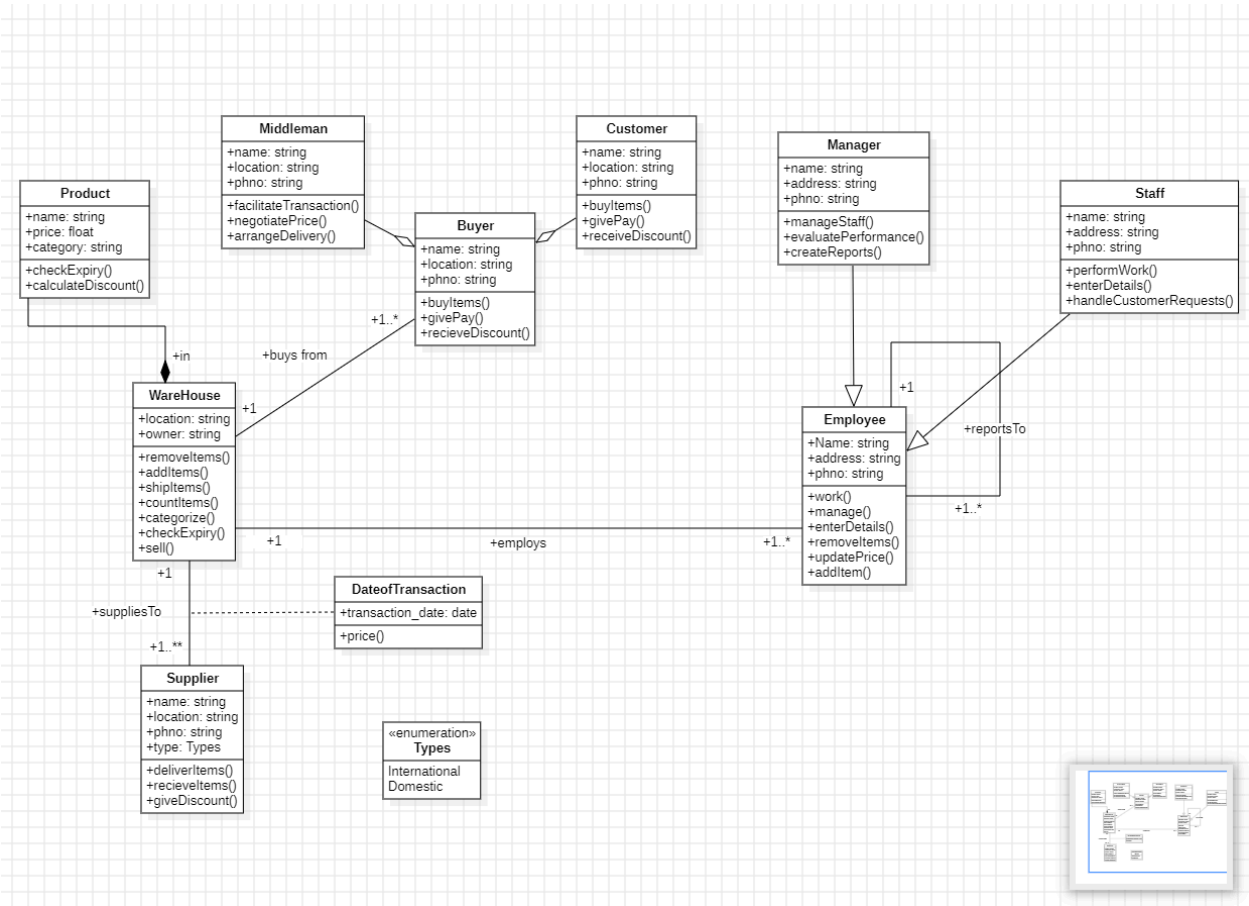
Library Management System



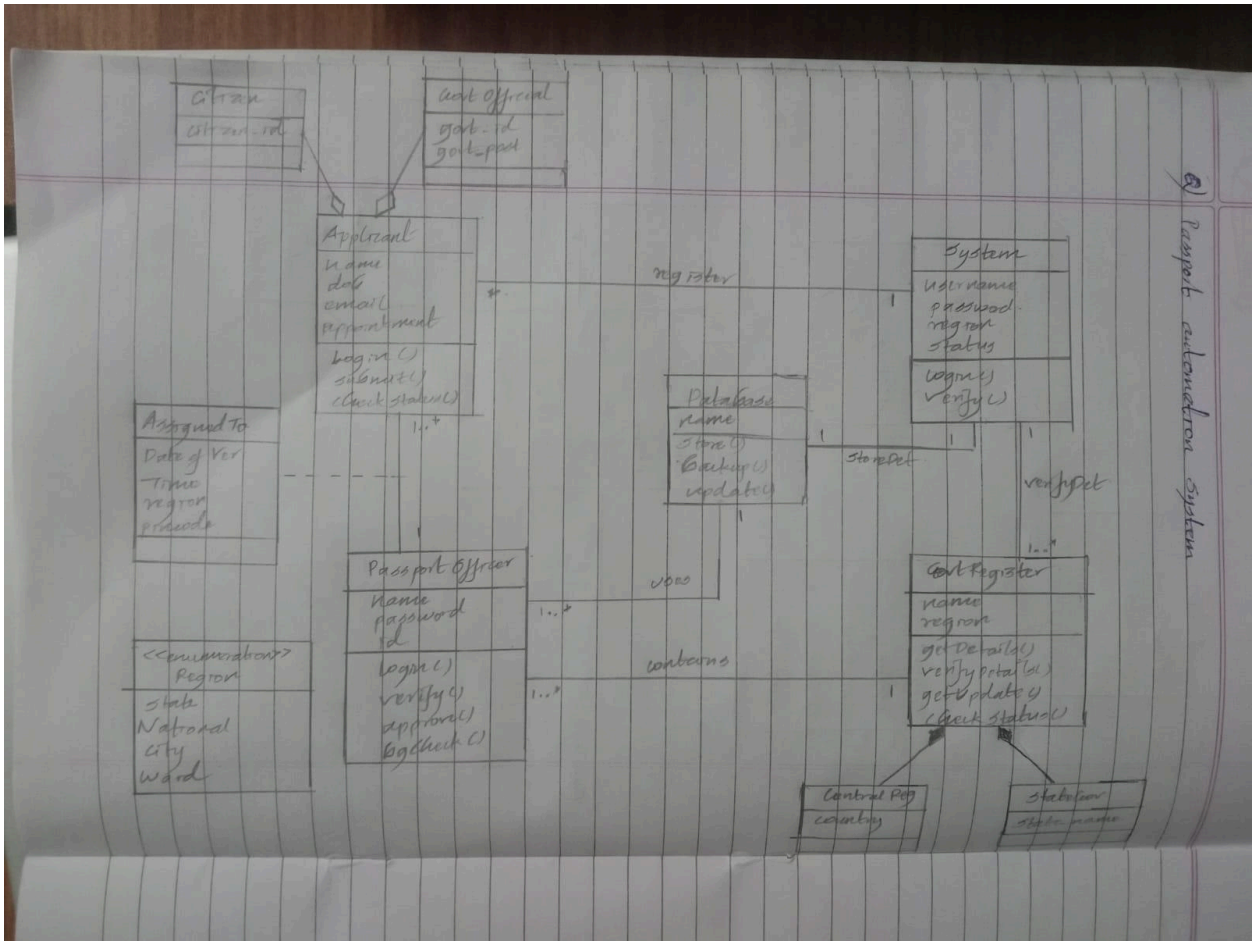

LibrarySystem
+catalogue: OptionList
+issue_limit: int
+checkOverdue()
+checkAvailability()
+has
1
+has
1
1
+stored
*
*
+register
«enumeration»
OptionList
Book
Magazine
Research Paper
Newspaper
PrintMedia
+unique_id: string
+name: string
+type: OptionList
+author: string
+publisher: string
+assign
*
+canAccess
+borrow
1
Borrower
+library_id: string
+name: string
+borrow()
+return()
Student
+student_id: string
+name: string
Public
+citizen_id: string
+name: string
+borrows
1
+belongsTo
*
Loan
+loan_id: string
+unique_id: string
+library_id: string
+due_date: date
+createLoan()
+closeLoan()
*
Staff
+name: string
+position: string
Manager
+name: string
+id: string
+manageEmployees()
+updateDetails()
Employee
+name: string
+id: string
+issueBooks()
+sortBooks()

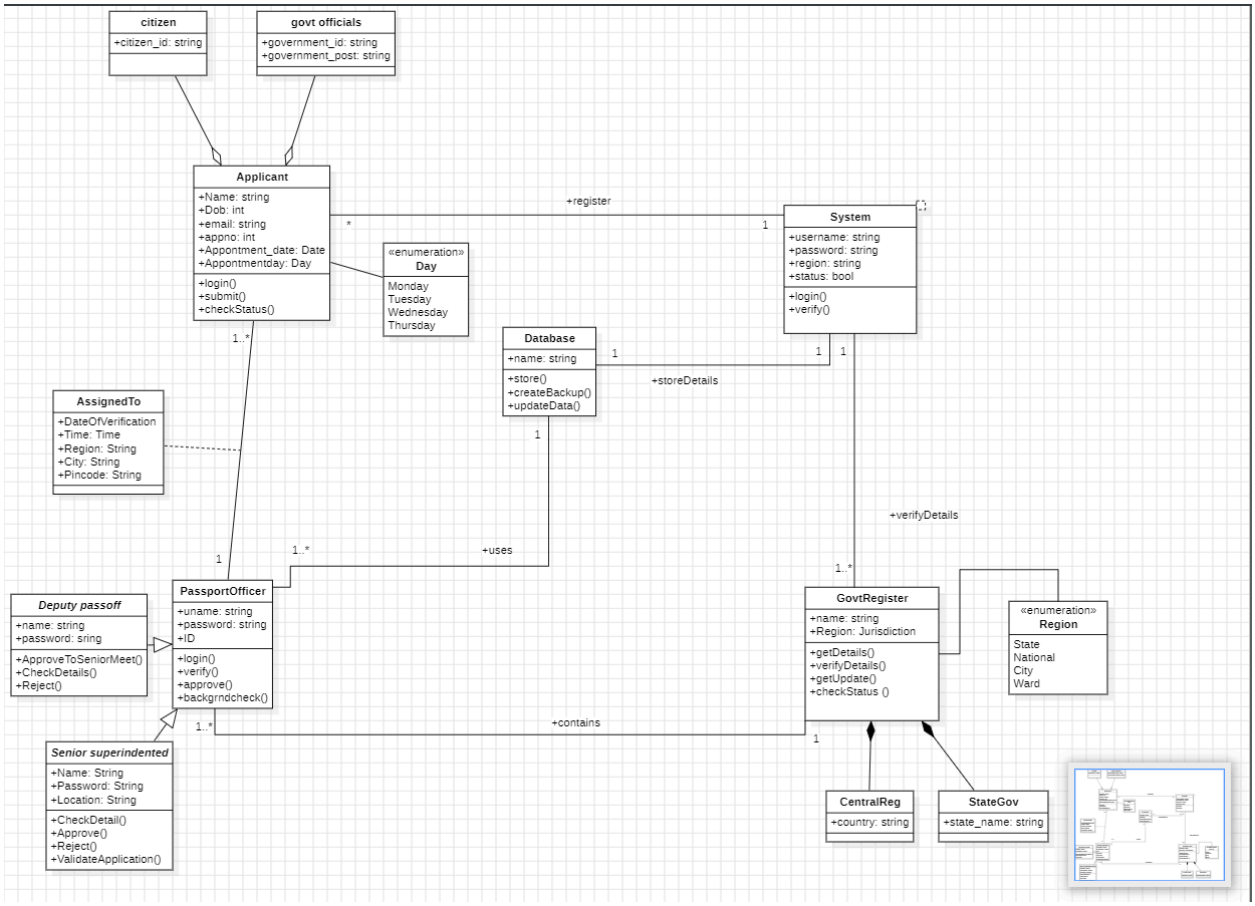
Stock Maintenance System




Middleman
+name: string
+location: string
+phno: string
+facilitateTransaction()
+negotiatePrice()
+arrangeDelivery()
Customer
+name: string
+location: string
+phno: string
+buyItems()
+givePay()
+receiveDiscount()
Manager
+name: string
+address: string
+phno: string
+manageStaff()
+evaluatePerformance()
+createReports()
Staff
+name: string
+address: string
+phno: string
+performWork()
+enterDetails()
+handleCustomerRequests()
Product
+name: string
+price: float
+category: string
+checkExpiry()
+calculateDiscount()
Buyer
+name: string
+location: string
+phno: string
+buyItems()
+givePay()
+recieveDiscount()
+1..*
+buys from
+in
WareHouse
+location: string
+owner: string
+removeItems()
+addItems()
+shipItems()
+countItems()
+categorize()
+checkExpiry()
+sell()
+1
+1
+employs
+1..*
+1
Employee
+Name: string
+address: string
+phno: string
+work()
+manage()
+enterDetails()
+removeItems()
+updatePrice()
+addItem()
+1
+reportsTo
+1..*
+1
+suppliesTo
DateofTransaction
+transaction_date: date
+price()
+1..**
Supplier
+name: string
+location: string
+phno: string
+type: Types
+deliverItems()
+recieveItems()
+giveDiscount()
«enumeration»
Types
International
Domestic

Passport Automation System




citizen
+citizen_id: string
govt officials
+government_id: string
+government_post: string
Applicant
+Name: string
+Dob: int
+email: string
+appno: int
+Appontment_date: Date
+Appontmentday: Day
+login()
+submit()
+checkStatus()
+register
*
1
System
+username: string
+password: string
+region: string
+status: bool
+login()
+verify()
«enumeration»
Day
Monday
Tuesday
Wednesday
Thursday
1..*
Database
+name: string
+store()
+createBackup()
+updateData()
1
+storeDetails
1
1
AssignedTo
+DateOfVerification
+Time: Time
+Region: String
+City: String
+Pincode: String
1
+verifyDetails
1..*
+uses
1..*
Deputy passoff
+name: string
+password: sring
+ApproveToSeniorMeet()
+CheckDetails()
+Reject()
PassportOfficer
+uname: string
+password: string
+ID
+login()
+verify()
+approve()
+backgrndcheck()
GovtRegister
+name: string
+Region: Jurisdiction
+getDetails()
+verifyDetails()
+getUpdate()
+checkStatus ()
«enumeration»
Region
State
National
City
Ward
1..*
+contains
1
Senior superindented
+Name: String
+Password: String
+Location: String
+CheckDetail()
+Approve()
+Reject()
+ValidateApplication()
CentralReg
+country: string
StateGov
+state_name: string