Assignment 2

1. Bank Account

- accountHolderName: string
- accountNumber: int
- currentBalance: double
- accountType: string
- contactNumber: int
- panCardNumber: int
- aadharNumber: int

- deposit()
- withdraw()
- checkBalance()
- transferMoney()

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2. Student Record

- name: string
- rollNumber: int
- marks: float
- age: int
- aadharNumber: int

- getMarks()
- setMarks()
- getAge()
- setAge()

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3. Employee Details

- name: string
- employeeID: int
- salary: double
- department: string
- contactNumber: int
- panCardNumber: int

- getSalary()
- setSalary()
- applyForLeave()
- updateContact()

4. Car

- model: string
- engineNumber: string
- fuelLevel: float
- speed: float

- accelerate()
- brake()
- refuel()
- getSpeed()

5. Mobile Phone

- brand: string
- imeiNumber: long
- phoneNumber: int
- batteryLevel: int
- isLocked: boolean

- unlock()
- chargeBattery()
- call()
- checkBattery()

6. Library Book System

- title: string
- author: string
- isbn: string
- isIssued: boolean

- issueBook()
- returnBook()
- checkAvailability()

7. ATM Machine

- atmID: int
- location: string
- availableCash: double

- withdrawCash()
- checkAvailability()
- refillCash()

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8. Flight Ticket Booking

- passengerName: string
- passportNumber: string
- flightNumber: string
- seatNumber: string
- ticketStatus: string

- bookTicket()
- cancelTicket()
- checkStatus()

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9. Online Order

- orderID: int
- customerName: string
- productList: list<string>
- totalAmount: double
- orderStatus: string

- placeOrder()
- cancelOrder()
- trackOrder()

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10. Patient Medical Record

- name: string
- age: int
- patientID: int
- medicalHistory: string
- contactNumber: int

- getMedicalHistory()

- updateMedicalHistory()
- scheduleAppointment()