

Assignment - 2

1) ATM Machine

ATM:

- cardno : int
- pin : int
- balance : double
- bankName : string
- insertCard();
- enterPin();
- withdrawCash();
- checkBalance();

2) Student Portal

student:

- name : string
- rollNumber : int
- marks : double
- attendance : double
- grade : char
- getMarks();
- updateMarks();
- calculateGrade();
- getAttendance();

3) Employee Portal

Employee:

- empid : string
- name : string
- salary : double
- accountno : int
- tax : double
- calculateSalary();
- applyTax();
- getPaySlip();

4) Mobile phone

- imei : string
- batteryLevel : int
- contact : list
- makeCall();
- chargeBattery();
- getBatteryLevel();

5) Shopping Cart

- cartItem : list
- total : double
- userId : int
- addItem();
- removeItem();
- calculateTotal();

6) Car

- engineNo : string
- speed : int
- gear : int
- startEngine();
- accelerate();
- brake();

7) Hospital

- patientId : int
- name : string
- diagnosis : string
- treatmentPlan : list
- medicalHistory : list
- getDiagnosis();
- updateTreatment();
- addMedicalRecord();

8) library

- member Id : string
- borrowed Book : list
- Fine Amt : double
- borrowBook();
- returnBook();
- Pay Fine();

9) flight ticket

- ticket Id : int
- Psg name : string
- seat no : string
- price : double
- booking status : string
- bookTicket();
- cancelTicket();
- getTicketDetails();

10) E-wallet

- wallet Id : int
- balance : double
- transactionHistory : list
- addMoney();
- makePayment();
- checkBalance();
- viewTransaction();