

## Assignment -2

### 1) ATM Machine

ATM:

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

### 2) Student Portal

student:

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

### 3) Employee Portal

Employee:

- empId : string
- name : string
- salary : double
- bankAccno : int
- tax : double
- calculateSalary();
- applyTax();
- getPaySlip();

### 4) Mobile phone

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

### 5) Shopping cart

- cart item : list
- Total : double
- userId : int
- addItem();
- removeItem();
- calculateTotal();

### 6) Car

- engine no : string
- speed : int
- gear : int
- startEngine();
- accelerate();
- brake();

### 7) Hospital

- patientId : int
- name : string
- diagnosis : string
- treatment plan : list
- medical History : list
- getDiagnosis();
- updateTreatment();
- addMedicalRecord();



8) library

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

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();