```java
public class Main {
    public static void main(String[] args) {
        AtmUISimulator atmUISimulator = new AtmUISimulator();
        atmUISimulator.run();
    }
}
```

```java
import java.util.Scanner;

public class AtmUISimulator {
    private ATM atm;
    public AtmUISimulator() {
        this.atm = new ATM();
    }
    public void run(){
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter customer number:");
        int id = scanner.nextInt();
        System.out.print("Enter PIN: ");
        int pin = scanner.nextInt();
        if(atm.checkIdPin(id , pin)){
            System.out.print("A=Deposit, B=Withdrawal, C=Transfer, D=Done, E=Exit: ");
            String command = scanner.next();
            while(!command.equalsIgnoreCase("E")){
                if(command.equalsIgnoreCase("A")){
                    System.out.print("Amount: ");
                    double amount = scanner.nextDouble();
                    atm.deposit(id,amount);
                }
                if(command.equalsIgnoreCase("B")){
                    System.out.print("Amount: ");
                    double amount = scanner.nextDouble();
                    atm.withdraw(id,amount);
                }
                if(command.equalsIgnoreCase("C")){
                    System.out.print("Transfer To: ");
                    int id2 = scanner.nextInt();
                    System.out.print("Amount: ");
                    double amount = scanner.nextDouble();
                    atm.transfer(id, id2, amount);
                }
                if(command.equalsIgnoreCase("D")){
                    run();
                }
                System.out.print("A=Deposit, B=Withdrawal, C=Transfer, D=Done, E=Exit: ");
                command = scanner.next();
            }
        }
    }
}
```

```java
public class Customer {
    int id;
    int pin;
    double balance;

    public Customer(int id, int pin, double balance) {
        this.id = id;
        this.pin = pin;
        this.balance = balance;
    }
    public void deposit(double amount){
        balance += amount;
    }
    public void withdraw(double amount){
        if(balance >= amount)
            balance -= amount;
    }
    public int getId() {
        return id;
    }
    public int getPin() {
        return pin;
    }
    public double getBalance() {
        return balance;
    }
}
```

```java
import java.util.ArrayList;
import java.util.HashMap;

public class ATM {
    private HashMap<Integer,Customer> customers;
    public ATM() {
        customers = new HashMap<>();
        customers.put(1,new Customer(1,1234,1000));
        customers.put(2,new Customer(2,5678,2000));
        customers.put(3,new Customer(3,0000,3000));
    }
    public void transfer(int c1Id, int c2Id, double amount){
        Customer c1 = customers.get(c1Id);
        Customer c2 = customers.get(c2Id);
        c1.withdraw(amount);
        c2.deposit(amount);
        System.out.println("BalanceC1=" + c1.getBalance());
        System.out.println("BalanceC2=" + c2.getBalance());
    }
    public void deposit(int id, double amount){
        Customer c = customers.get(id);
        c.deposit(amount);
        System.out.println("Balance=" + c.getBalance());
    }
    public void withdraw(int id, double amount) {
        Customer c = customers.get(id);
        c.withdraw(amount);
        System.out.println("Balance=" + c.getBalance());
    }
    public boolean checkIdPin(int id , int pin){
        for (Customer c : customers.values()) {
            if(c.getId() == id && c.getPin() == pin){
                return true;
            }
        }return false;
    }
}
```

- เกลงอ่าน file การอ่านมาเก็บไว้ใน object
- class Object Manager → อ่าน file มาเก็บไว้ใน object collection