import java.util.Scanner;

interface PaymentProcessor {

void pay(int amount);

}

class CreditCard implements PaymentProcessor {

Scanner sc =new Scanner (System.in);

String name,ExpDate;

double CardNo;

CreditCard(){

super();

System.out.println(" ");

System.out.print("\tCard holder Name :: ");

this.name =sc.next();

System.out.print("\tCard Number :: ");

this.CardNo =sc.nextDouble();

System.out.print("\tCard Expire Date :: ");

this.ExpDate =sc.next();

System.out.println(" ");

}

@Override

public void pay(int amount) {

System.out.println(" ");

System.out.println("Paying through CreditCard payment: Charging $" + amount);

System.out.println(" ");

}

}

class PayPal implements PaymentProcessor {

PayPal(){

super();

System.out.println("\nChecking Internet Connection........");

}

@Override

public void pay(int amount) {

System.out.println(" ");

System.out.println("Paying through PayPal payment: Charging $" + amount);

System.out.println(" ");

}

}

class BitCoin implements PaymentProcessor {

Scanner sc =new Scanner (System.in);

String add;

BitCoin(){

super();

System.out.print("\nEnter Transaction 'Input Address' :: ");

add= sc.next();

}

@Override

public void pay(int amount) {

System.out.println(" ");

System.out.println("Paying through BitCoin payment: Charging $" + amount);

System.out.println(" ");

}

}

class Order {

private final PaymentProcessor paymentProcessor;

private final int amount;

public Order(int amount, PaymentProcessor paymentProcessor) {

this.amount = amount;

this.paymentProcessor = paymentProcessor;

}

public void process() {

paymentProcessor.pay(amount);

}

}

public class Main {

public static void main(String[] args) {

int c,amt=0;

Order order;

Scanner sc = new Scanner(System.in);

while(true) {

System.out.println();

menu bar

System.out.println("\*\*\*\* SHOPING CART \*\*\*\*");

System.out.print("1.Credit Card \n2.PayPal \n3.BitCoin \n4.Exit");

System.out.print("\n\nEnter the Choice ::");

c=sc.nextInt();

System.out.println(" ");

if(c==1||c==2||c==3) {

System.out.print("\nEnter amount tobe Tranfer :: ");

amt = sc.nextInt();

System.out.println(" ");

}

switch(c) {

case 1:

order = new Order(amt, new CreditCard());

order.process();

break;

case 2:

order = new Order(amt, new PayPal());

order.process();

break;

case 3:

order = new Order(amt, new BitCoin());

order.process();

break;

case 4:

System.out.println("\nThank you For Shopping !!!! ");

System.out.println(" ");

return;

default:

System.out.println("Invalid Payment Mode !!!");

System.out.println(" ");

}

}

}

}

OUTPUT

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 3

All Records cleared successfully !

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 1

Enter Student Name: vaibhav

Student Id: 12

Roll no: 12

Address: pune

Class: 10

Marks : 489

Records added successfully !

Do you want to add more records ? (y/n) : y

Enter Student Name: om

Student Id: 34

Roll no: 34

Address: jalgaon

Class: 9

Marks : 479

Records added successfully !

Do you want to add more records ? (y/n) : y

Enter Student Name: yash

Student Id: 67

Roll no: 67

Address: Aurangabad

Class: 9

Marks : 467

Records added successfully !

Do you want to add more records ? (y/n) : y

Enter Student Name: Diptesh

Student Id: 76

Roll no: 76

Address: Dhule

Class: 10

Marks : 495

Records added successfully !

Do you want to add more records ? (y/n) : y

Enter Student Name: Harsh

Student Id: 39

Roll no: 39

Address: Satara

Class: 11

Marks : 481

Records added successfully !

Do you want to add more records ? (y/n) : n

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 2

vaibhav 12 12 pune 10 489.0

om 34 34 jalgaon 9 479.0

yash 67 67 Aurangabad 9 467.0

Diptesh 76 76 Dhule 10 495.0

Harsh 39 39 Satara 11 481.0

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 4

Enter an id of the student you want to search: 34

Record found

om 34 34 jalgaon 9 479.0

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 4

Enter an id of the student you want to search: 66

Record not found

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 5

Enter the name of the student you want to delete: om

Record found

deleted successfully

Renamed successfully

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 6

Enter the name of the student you want to update: vaibhav

Record found

Enter updated marks: 500

record updated successfully

Renamed successfully

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 3

All Records cleared successfully !

====================================================

1. Add Records

2. Display Records

3. Clear All Records

4. Search Records

5. Delete Records

6. Update Records

7. Exit

Enter your choice : 7