package com.example.atm;

import java.io.IOException;

import java.text.DecimalFormat;

import java.util.HashMap;

import java.util.Scanner;

public class OptionMenu extends Account{

Scanner menuInput = new Scanner(System.in);

DecimalFormat moneyFormat = new DecimalFormat("'$'###,##0.00");

HashMap<Integer, Integer> data = new HashMap<Integer, Integer>();

public void getLogin() throws IOException {

int x=1;

do {

try {

data.put(123, 123);

data.put(456, 456);

System.out.println("Welcome to the ATM");

System.out.println("Enter Account Number");

setAccountNumber(menuInput.nextInt());

System.out.println("Enter pin number");

setPinNumber(menuInput.nextInt());

}

catch (Exception e) {

System.out.println("\n" + "Invalid characters. Only numbers" + "\n" );

x=2;

}

int an =getAccountNumber();

int pn = getPinNumber();

if (data.containsKey(an) && data.get(an) == pn) {

getAccountType();

} else

System.out.println("\n" + "Wrong Account Number or pin number" + "\n");

} while (x==1);

}

public void getAccountType() {

System.out.println("Select account you want to access:");

System.out.println("Type 1 - Current Account");

System.out.println("Type 2 - Saving Account");

System.out.println("Type 3 - Exit");

int selection = menuInput.nextInt();

switch (selection) {

case 1:

getCurrent();

break;

case 2:

getSaving();

break;

case 3:

System.out.println("Thank you for using the ATM \n");

break;

default:

System.out.println("\n" + "Invalid Choice" + "\n");

getAccountType();

}

}

public void getCurrent() {

System.out.println("Current Account: ");

System.out.println("Type 1 - View Balance");

System.out.println("Type 2 - Withdraw Funds");

System.out.println("Type 3 - Deposit Funds");

System.out.println("Type 4 - Exit");

System.out.println("Choice: ");

int selection1 = menuInput.nextInt();

switch (selection1) {

case 1:

System.out.println("Checking Account Balance:" + moneyFormat.format(getCurrentBalance()));

getAccountType();

break;

case 2:

getCurrentWithdrawInput();

getAccountType();

break;

case 3:

getCurrentDepositInput();

getAccountType();

break;

case 4:

System.out.println("Thank you for using ATM");

break;

default:

System.out.println("\n" + "Invalid Choice" + "\n");

getCurrent();

}

}

public void getSaving() {

System.out.println("Saving Account: ");

System.out.println("Type 1 - View Balance");

System.out.println("Type 2 - Withdraw Funds");

System.out.println("Type 3 - Deposit Funds");

System.out.println("Type 4 - Exit");

System.out.println("Choice: ");

int selection2 = menuInput.nextInt();

switch (selection2) {

case 1:

System.out.println("Checking Account Balance:" + moneyFormat.format(getSavingBalance()));

getAccountType();

break;

case 2:

getsavingWithdrawInput();

getAccountType();

break;

case 3:

getSavingDepositInput();

getAccountType();

break;

case 4:

System.out.println("Thank you for using ATM");

break;

default:

System.out.println("\n" + "Invalid Choice" + "\n");

getSaving();

}

}

}