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BufferedWriter bfile = new BufferedWriter(file);
import java.util.*;
import java.lang.*;
                                                             bfile.write("Name Acc Pwd PXpay CreditCard 紅利");
import java.text.SimpleDateFormat;
                                                             bfile.newLine();
                                                             bfile.write(myuser.Name+" "+myuser.Account + " " +
import java.io.*;
import java.io.BufferedReader;
                                                             myuser.Password + " " + myuser.PXpayWallet + " "+
                                                             myuser.CreditCardWallet + " " + myuser.myBonus);
import java.io.BufferedWriter;
import java.io.FileNotFoundException;
                                                             bfile.flush();file.close();}
import java.io.FileOutputStream;
                                                             catch (IOException e)
import java.io.FileWriter;
                                                              {System.out.println(e.getMessage());}}
import java.io.FileReader;
import java.io.IOException;
                                                             void readRecord(user myuser) {try {
import java.io.OutputStream;
                                                             FileReader recordFile = new FileReader("txt");
                                                             BufferedReader recordBuffer = new
abstract class abstract_User {
                                                             BufferedReader(recordFile);
String Name; int Account;
                                                             recordBuffer.readLine();*3
int Password; int myBonus; // 紅利
                                                             System.out.println("錢包\t金額\t紅利\t日期與時間");
String Method; int Money;
                                                             while (recordBuffer.ready()) {
int Bonus; // 讀取交易紀錄用的紅利
                                                             String line = recordBuffer.readLine();
                                                             String[] recordData = line.split(" ");
String Dates; String times;
int PXpayWallet; int CreditCardWallet;}
                                                             myuser.Method = recordData[0];
                                                             myuser.Money = Integer.parseInt(recordData[1]);
                                                             myuser.Bonus = Integer.parseInt(recordData[2]);
class user extends abstract User {
                                                             myuser.Dates = recordData[3];
int login(int gAcc, int gPWD) {
if
                                                             myuser.times = recordData[4];
(gAcc==this.Account&&gPWD==this.Password){return1;}return
                                                             if (myuser.Method == null) {
0}
                                                             println("目前還沒有交易紀錄喔!");
void welcome() {println("歡迎光臨 {" + super.Name + " }!
                                                             System.out.println(myuser.Method + "\t" + myuser.Money +
                                                              "\t" + myuser.Bonus + "\t"+myuser.Dates+" "
");
     println("PXpay餘額:" + super.PXpayWallet + ",帳戶
                                                              +myuser.times);}}recordBuffer.close();}
餘額:" + super.CreditCardWallet + ",紅利:" +
                                                              catch (IOException e) {
super.myBonus);}
                                                              System.out.println("目前暫無交易紀錄。");}}
int getPXpayWallet() {return super.PXpayWallet;}
int getCreditCardWallet() {return
                                                             void saveRecord(user myuser) {try {
super.CreditCardWallet;}
                                                             FileWriter file = new FileWriter("txt", true);
                                                             BufferedWriter bfile = new BufferedWriter(file);
public static String getNowDate() {
                                                             bfile.newLine();
                                                             bfile.write(myuser.Method + " " + myuser.Money + " " +
Date currentTime = new Date();
                                                             myuser.Bonus + " " + myuser.Dates + " " + myuser.times);
SimpleDateFormat formatter=new SimpleDateFormat("yyyy-MM-
dd");
                                                             bfile.flush();file.close();}
String dateString=formatter.format(currentTime);
                                                             catch (IOException e) {
return dateString;} >>time:HH:mm:ss<<}</pre>
                                                             System.out.println(e.getMessage());}}}
class aboutFile extends user {
                                                             class pay {
                                                             interface withdraw {int withdraw(user myuser, int
void read(user myuser) {try {
                                                             gMoney);}
FileReader file = new FileReader("C.txt");
                                                             interface deposit {// 存款in deposit(user myuser, int
BufferedReader bfile=newBufferedReader(file);
                                                             gMoney);}
bfile.readLine():
String line = bfile.readLine();
                                                             PX_pay pxpay = new PX_pay();
String[] data = line.split(" ");
                                                             CreditCard creditpay = new CreditCard();
myuser.Name = data[0];
myuser.Account = Integer.parseInt(data[1]);
                                                             int payment(int payType, int gMoney, user myuser) {
myuser.Password = Integer.parseInt(data[2]);
                                                             int result = 0;String payname = "";
myuser.PXpayWallet = Integer.parseInt(data[3]);
                                                             if (payType == 0) {
myuser.CreditCardWallet = Integer.parseInt(data[4]);
                                                               if (pxpay.deposit(myuser, gMoney) == 1) {
myuser.myBonus = Integer.parseInt(data[5]);
                                                               println("成功!PX餘額:"+my.getPXpayWallet());result =
file.close();
                                                             2;}
}catch (IOException e)
                                                             else if (payType == 1) {
{System.out.println(e.getMessage());}}
                                                               result = pxpay.withdraw(myuser, gMoney);
                                                               payname = "PXpay";}
void saveFile(user myuser) {try {
                                                             else if (payType == 2) {
FileWriter file = new FileWriter(".txt");
                                                                result = creditpay.withdraw(myuser, gMoney);payname =
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"CreditCard";}
                                                          false) {
if (result == 1) {
                                                                System.out.println("\n");
  println("交易成功!" + payname + "錢包餘額為:" +
                                                                myuser.welcome();
  myuser.getPXpayWallet());
                                                                println("======");
 println("本次交易新增紅利點數為:" + myuser.Bonus);
                                                                println("歡迎光臨PX Pay!今天想使用什麼功能呢???");
 println("本次交易過後紅利點數為:" + myuser.myBonus);
                                                                println("當前紅利點數 => 消費金額滿百即可獲得一點!");
} else if (result == 0) {System.out.println("交易失敗。
                                                                println("[1.查詢]、[2.儲值]、[3.付款]、[4.離
");
                                                          開]\n=>");
                                                                // 選擇
return 0;}return 0;}}
                                                          int choice = in.nextInt();
class PX_pay extends user {
                                                          if (choice == 1) {
int deposit(user myuser, int gMoney) {
                                                          // 讀取交易紀錄
if (gMoney > 0) {
                                                                myfile.readRecord(myuser);
     myuser.PXpayWallet += gMoney;
                                                          } else if (choice == 2) {// PX錢包儲值
     myuser.CreditCardWallet -= gMoney;
                                                                try {
                                                                System.out.println("請輸入PX錢包儲值金額=>");
     myuser.Money = gMoney;
     myuser.Bonus = 0;
                                                                int savemoney = in.nextInt();
     myuser.Dates = getNowDate();
                                                                mypay.payment(0, savemoney, myuser);
     myuser.times = getNowtimes();
                                                                } catch (Exception e) {
                                                                System.out.println("交易失敗, 請輸入(正)整數!");
     myuser.Method = "儲值";return 1;}return 0;}
int withdraw(user myuser, int gMoney) {
                                                                }
                                                          } else if (choice == 3) {// 電子支付
if (gMoney < myuser.PXpayWallet) {</pre>
     myuser.PXpayWallet -= gMoney;
                                                                System.out.println("請選擇付款方式[1.PX錢包][2.信用
     myuser.myBonus += gMoney / 100;
                                                          卡]=>");
     myuser.Bonus = gMoney / 100;
     myuser.Money = gMoney;
                                                                int option = in.nextInt();
                                                                System.out.println("請輸入付款金額=>");
     myuser.Dates = getNowDate();
     myuser.times = getNowtimes();
                                                                int paymoney = in.nextInt();
     myuser.Method = "PXpay";return 1;} else {return
                                                                if (option == 1) {// PX錢包
0;}}}
                                                                     mypay.payment(option, paymoney, myuser);
                                                                     myfile.saveRecord(myuser);
                                                                }else if (option == 2) { // CreditCard支付
                                                                     mypay.payment(option, paymoney, myuser);
                                                                     myfile.saveRecord(myuser);
class CreditCard extends user {
                                                                else {// 輸入非1和2
int withdraw(user myuser, int gMoney) {
                                                                     System.out.println("無此交易方式,輸入錯誤せ!
if (gMoney < myuser.CreditCardWallet) {</pre>
     myuser.CreditCardWallet -= gMoney;
     myuser.myBonus += gMoney / 100;
                                                                     } catch (Exception e) {System.out.println("交
                                                                易失敗为,請輸入(正)整數!");break; }
     myuser.Bonus = gMoney / 100;
     myuser.Money = gMoney;
                                                          } else if (choice == 4) {// 離開
                                                                System.out.println("您真的要離開嗎?[Y/N]=>");
     myuser.Dates = getNowDate();
     myuser.times = getNowtimes();
                                                                yn = in.next();
                                                                if (yn.equals("Y") || yn.equals("y")) {
     myuser.Method = "Cardpay";return 1;} else {return
0;}}}
                                                                myfile.saveFile(myuser);
                                                                System.out.println("88!");
public class finaltest {
                                                                System.exit(choice);
public static void main(String[] args) {
Scanner <u>in</u> = new Scanner(System.in);
                                                          } else {
String yn = "N";
                                                                System.out.println("輸入錯誤!請重新輸入!");
                                                          }}// 登入失敗
// new
user myuser = new user();
                                                          } else
aboutFile myfile = new aboutFile();
                                                                     {System.out.println("帳號或密碼錯誤!再見!");
pay mypay = new pay();
// 讀取個人資料
myfile.read(myuser);
                                                                }
                                                          }
// 輸入帳號密碼
System.out.println("請輸入帳號:");
int acc = in.nextInt();
System.out.println("請輸入密碼:");
int pwd = in.nextInt();
if (myuser.login(acc, pwd) == 1) {
     while(yn.equals("Y") == false||yn.equals("n") ==
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