# **茶城项目**

**角色：管理员，茶友，茶叶，订单，礼品，礼品回馈记录**

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# **实体类的编写(所有数据的类)**

1.1用户类

**package** bean;  
*/\*  
用户类  
 \*/***public class** Customer { km  
 **private long id**;  
 **private** String **phone**;  
 **private** String **birthday**;  
 **private int score**;  
  
 @Override  
 **public** String toString() {  
 **return "Customer{"** +  
 **"id="** + **id** +  
 **", phome='"** + **phone** + **'\''** +  
 **", birtjday='"** + **birthday** + **'\''** +  
 **", score="** + **score** +  
 **'}'**;  
 }  
 **public** Customer() {  
 }  
 **public long** getId() {  
 **return id**;  
 }  
 **public void** setId(**long** id) {  
 **this**.**id** = id;  
 }  
 **public** String getPhone() {  
 **return phone**;  
 }  
 **public void** setPhone(String phone) {  
 **this**.**phone** = phone;  
 }  
 **public** String getBirthday() {  
 **return birthday**;  
 }  
 **public void** setBirthday(String birthday) {  
 **this**.**birthday** = birthday;  
 }  
 **public int** getScore() {  
 **return score**;  
 }  
 **public void** setScore(**int** score) {  
 **this**.**score** = score;  
 }  
 **public** Customer(**long** id, String phome, String birtjday, **int** score) {  
 **this**.**id** = id;  
 **this**.**phone** = phome;  
 **this**.**birthday** = birtjday;  
 **this**.**score** = score;  
 }  
}

1.2礼品信息类

**package** bean;  
*/\*  
礼品类  
 \*/***public class** Gift {  
 **private** String **name**;  
 **private int price**;  
 **private int count**;  
  
 **public** Gift() {  
 }  
 @Override  
 **public** String toString() {  
 **return "Gift{"** +  
 **"name='"** + **name** + **'\''** +  
 **", price="** + **price** +  
 **", count="** + **count** +  
 **'}'**;  
 }  
 **public** String getName() {  
 **return name**;  
 }  
 **public void** setName(String name) {  
 **this**.**name** = name;  
 }  
 **public int** getPrice() {  
 **return price**;  
 }  
 **public void** setPrice(**int** price) {  
 **this**.**price** = price;  
 }  
 **public int** getCount() {  
 **return count**;  
 }  
 **public void** setCount(**int** count) {  
 **this**.**count** = count;  
 }  
 **public** Gift(String name, **int** price, **int** count) {  
 **this**.**name** = name;  
 **this**.**price** = price;  
 **this**.**count** = count;  
 }  
}

1.3礼品回馈记录

**package** bean;  
*/\*  
礼品回馈记录  
 \*/***public class** GiveBack {  
 **private** String **name**;  
 **private int id**;  
 **private** String **CustomerPhone**;  
  
 **public** String getName() {  
 **return name**;  
 }  
 **public** GiveBack() {  
 }  
  
 **public void** setName(String name) {  
 **this**.**name** = name;  
 }  
  
 **public int** getId() {  
 **return id**;  
 }  
  
 @Override  
 **public** String toString() {  
 **return "GiveBack{"** +  
 **"name='"** + **name** + **'\''** +  
 **", id="** + **id** +  
 **", CustomerPhone='"** + **CustomerPhone** + **'\''** +  
 **'}'**;  
 }  
  
 **public void** setId(**int** id) {  
 **this**.**id** = id;  
 }  
  
 **public** String getCustomerPhone() {  
 **return CustomerPhone**;  
 }  
  
 **public void** setCustomerPhone(String customerPhone) {  
 **CustomerPhone** = customerPhone;  
 }  
  
 **public** GiveBack(String name, **int** id, String customerPhone) {  
 **this**.**name** = name;  
 **this**.**id** = id;  
 **CustomerPhone** = customerPhone;  
 }  
}

1.4茶叶信息类

**package** bean;  
*/\*  
茶叶类  
 \*/***public class** Goods {  
 **private** String **name**;  
 **private int price**;  
 **private int count**;  
 **private long id**;  
  
 **public** Goods(String name, **int** price, **int** count, **long** id) {  
 **this**.**name** = name;  
 **this**.**price** = price;  
 **this**.**count** = count;  
 **this**.**id** = id;  
 }  
  
 @Override  
 **public** String toString() {  
 **return "Goods{"** +  
 **"name='"** + **name** + **'\''** +  
 **", price="** + **price** +  
 **", count="** + **count** +  
 **", id="** + **id** +  
 **'}'**;  
 }  
  
 **public** String getName() {  
 **return name**;  
 }  
  
 **public void** setName(String name) {  
 **this**.**name** = name;  
 }  
  
 **public int** getPrice() {  
 **return price**;  
 }  
  
 **public void** setPrice(**int** price) {  
 **this**.**price** = price;  
 }  
  
 **public int** getCount() {  
 **return count**;  
 }  
  
 **public void** setCount(**int** count) {  
 **this**.**count** = count;  
 }  
  
 **public long** getId() {  
 **return id**;  
 }  
  
 **public void** setId(**long** id) {  
 **this**.**id** = id;  
 }  
  
 **public** Goods() {  
 }  
}

1.5订单类

**package** bean;  
*/\*  
订单类  
 \*/***public class** Order {  
 **private** String **phone**;  
 **private** String **name**;  
 **private double price**;  
 **private int quantity**;  
  
 **public** Order() {  
 }  
 @Override  
 **public** String toString() {  
 **return "Order{"** +  
 **"phone='"** + **phone** + **'\''** +  
 **", name='"** + **name** + **'\''** +  
 **", price="** + **price** +  
 **", quantity="** + **quantity** +  
 **'}'**;  
 }  
 **public** String getPhone() {  
 **return phone**;  
 }  
 **public void** setPhone(String phone) {  
 **this**.**phone** = phone;  
 }  
 **public** String getName() {  
 **return name**;  
 }  
 **public void** setName(String name) {  
 **this**.**name** = name;  
 }  
 **public double** getPrice() {  
 **return price**;  
 }  
 **public void** setPrice(**double** price) {  
 **this**.**price** = price;  
 }  
 **public int** getQuantity() {  
 **return quantity**;  
 }  
 **public void** setQuantity(**int** quantity) {  
 **this**.**quantity** = quantity;  
 }  
 **public** Order(String phone, String name, **double** price, **int** quantity) {  
 **this**.**phone** = phone;  
 **this**.**name** = name;  
 **this**.**price** = price;  
 **this**.**quantity** = quantity;  
 }  
}

1.6管理员类

**package** bean;  
*/\*  
管理员类  
 \*/***public class** Manager {  
 **private** String **name**;  
 **private** String **password**;  
  
 **public** String getName() {  
 **return name**;  
 }  
  
 **public void** setName(String name) {  
 **this**.**name** = name;  
 }  
  
 **public** String getPassword() {  
 **return password**;  
 }  
  
 **public void** setPassword(String password) {  
 **this**.**password** = password;  
 }  
}

2.启动类

2.1启动方法类

**package** client;  
**import** db.DB;  
*/\*  
 \* 启动类  
 \*/***public class** ShoppingClient {  
 **public static void** main(String[] args) {  
 *start*();  
 }  
  
 **public static void** start(){  
 **new** DB();  
 Menu.*menu*().showLoginMenu();  
 }  
}

2.2数据初始化

**package** db;  
**import** bean.\*;  
**import** java.util.ArrayList;  
**import** java.util.List;  
*/\*  
 \* 数据初始化  
 \*/***public class** DB {  
 **public static** List<Customer> *customerList* = **new** ArrayList<>();  
 **public static** List<Gift> *giftList* = **new** ArrayList<>();  
 **public static** List<Goods> *goodsList* = **new** ArrayList<>();  
 **public static** Manager *manager* = **new** Manager();  
 **public static** List<GiveBack> *giveList* = **new** ArrayList<>();  
 **public static** List<Order> *orderList* = **new** ArrayList<>();  
 *// 初始化数据* **public** DB(){  
 initCustomer();  
 initGift();  
 initGoods();  
 initGiveBack();  
 initOrder();  
 initManager();  
 }  
 **private void** initCustomer(){  
 *customerList*.add(**new** Customer(10001,**"19120373098"**,**"2000-1-1"**,10));  
 *customerList*.add(**new** Customer(10002,**"15344815644"**,**"2001-2-2"**,20));  
 *customerList*.add(**new** Customer(10003,**"18784452235"**,**"2002-3-3"**,30));  
 }  
 **private void** initGift(){  
 *giftList*.add(**new** Gift(**"圆珠笔"**,2,5));  
 *giftList*.add(**new** Gift(**"笔记本"**,5,10));  
 *giftList*.add(**new** Gift(**"小风扇"**,50,100));  
 }  
 **private void** initGoods(){  
 *goodsList*.add(**new** Goods(**"铁观音"**,100,50,101));  
 *goodsList*.add(**new** Goods(**"普洱茶"**,5000,50,102));  
 *goodsList*.add(**new** Goods(**"信阳毛尖"**,999,50,103));  
 }  
 **private void** initGiveBack(){  
 *giveList*.add(**new** GiveBack(**"圆珠笔"**,2,**"19120373098"**));  
 }  
 **private void** initOrder(){  
 *orderList*.add(**new** Order(**"19120373098"**,**"铁观音"**,200,2));  
 *orderList*.add(**new** Order(**"18784452235"**,**"信阳毛尖"**,999\*3,3));  
 }  
  
 **private void** initManager(){  
 *manager*.setName(**"1"**);  
 *manager*.setPassword(**"1"**);  
 }  
}

3.用户操作页面的所有类

3.1登录界面

**package** client;  
**import** Utils.modifyPwd;  
**import** client.diyicen.Util;  
**import** client.diyicen.showMain;  
**import** java.util.Scanner;  
**import static** client.diyicen.Util.*acceptInput*;  
*/\*  
 \*登录菜单页面类  
 \*/***public class** Menu {  
 Scanner **in** = **new** Scanner(System.***in***);  
 *// 单例模式* **private static final** Menu ***menu*** = **new** Menu();  
 **public static** Menu menu(){  
 **return *menu***;  
 }  
  
 **public void** showLoginMenu(){  
 **do** {  
 System.***out***.println(**"☆☆☆☆☆欢迎使用李唯---茶城管理系统☆☆☆☆☆"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"\t\t 1. 登陆茶友系统"**);  
 System.***out***.println(**"\t\t 2. 修改管理员密码"**);  
 System.***out***.println(**"\t\t 3. 退出系统"**);  
 System.***out***.println(**"======================================="**);  
 *// 输入内容* System.***out***.println(**"请选择菜单选项："**);  
 String choose = *acceptInput*(**"1"**,**"2"**,**"3"**);  
 **switch** (choose){  
 **case "1"**:  
 **if**(Util.*login*())  
 showMain.*showmain*().showMainMenu();  
 **break**;  
 **case "2"**:  
 **if**(Util.*login*())  
 modifyPwd.*modifypwd*();  
 **break**;  
 **case "3"**:  
 System.***out***.println(**"~~~~~~~欢迎下次使用~~~~~~~"**);  
 System.*exit*(0);  
 }  
 }**while** (**true**);  
 }  
}

3.2主界面类（包含注销功能）

**package** client.diyicen;  
**import** client.diercen.\*;  
**import** client.Menu;  
  
**public class** showMain {  
 **private static final** showMain ***showmain*** = **new** showMain();  
 **public static** showMain showmain(){**return *showmain***;}  
  
 **public void** showMainMenu(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"☆☆☆☆☆欢迎使用云鬓花颜-茶城管理系统☆☆☆☆☆"**);  
 System.***out***.println(**"===============进入主界面================"**);  
 System.***out***.println(**"\t\t 1.茶友信息管理"**);  
 System.***out***.println(**"\t\t 2.茶叶信息管理"**);  
 System.***out***.println(**"\t\t 3.茶叶结算"**);  
 System.***out***.println(**"\t\t 4.礼品信息管理"**);  
 System.***out***.println(**"\t\t 5.回馈"**);  
 System.***out***.println(**"\t\t 6.注销"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入选项菜单："**);  
 String choose = Util.*acceptInput*(**"1"**,**"2"**,**"3"**,**"4"**,**"5"**,**"6"**);  
  
 **switch**(choose) {  
 **case "1"**:  
 showMenu.*showmenu*().showCustMenu();  
 **break**;  
 **case "2"**:  
 showTeaMenu.*teamenu*().teaMenu();  
 **break**;  
 **case "3"**:  
 teaSettlement.*settlement*().teasettlement();  
 **break**;  
 **case "4"**:  
 showGiftMenu.*giftmenu*().giftMenu();  
 **break**;  
 **case "5"**:  
 showgiveBack.*back*().giveback();  
 *//Dao.dao().give();* **break**;  
 **case "6"**:  
 System.***out***.println(**"跳转到登录页"**);

// 返回登录页面  
 Menu.*menu*().showLoginMenu();  
 con = **false**;  
 **break**;  
 }  
  
 }**while** (con);  
 }  
}

3.3茶友信息管理页面类

**package** client.diercen;  
**import** Utils.Customer.\*;  
**import** client.diyicen.Util;  
**import** client.diyicen.showMain;  
*/\*  
 \*茶友页面类  
 \*/***public class** showMenu {  
 **private static final** showMenu ***showmenu*** = **new** showMenu();  
 **public static** showMenu showmenu(){**return *showmenu***;}  
  
 **public void** showCustMenu(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"===============茶友信息管理================"**);  
 System.***out***.println(**"\t\t 1.显示所有茶友信息"**);  
 System.***out***.println(**"\t\t 2.添加茶友信息"**);  
 System.***out***.println(**"\t\t 3.修改茶友信息"**);  
 System.***out***.println(**"\t\t 4.删除茶友信息"**);  
 System.***out***.println(**"\t\t 5.查询指定茶友信息"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入数字选项，或输入\"n\"返回上级菜单:"**);  
 String choose = Util.*acceptInput*(**"1"**, **"2"**, **"3"**, **"4"**, **"5"**, **"n"**);  
  
 **switch** (choose) {  
 **case "1"**:  
 showCust.*show*().showAll();  
 **break**;  
 **case "2"**:  
 addCust.*add*().addCustomer();  
 **break**;  
 **case "3"**:  
 modifyCust.*modify*().modifyCustomer();  
 **break**;  
 **case "4"**:  
 deletCust.*delet*().deletCustomer();  
 **break**;  
 **case "5"**:  
 inquireCust.*inquire*().showCustomer();  
 **break**;  
 **case "n"**:  
 con = **false**;  
 showMain.*showmain*().showMainMenu();  
 **break**;  
 }  
 }**while**(con);  
 }  
}

3.4茶叶信息管理页面类

**package** client.diercen;  
  
**import** Utils.Goods.\*;  
**import** client.diyicen.Util;  
**import** client.diyicen.showMain;  
*/\*  
 \* 茶叶页面类  
 \*/***public class** showTeaMenu {  
 **private static final** showTeaMenu ***teamenu*** = **new** showTeaMenu();  
 **public static** showTeaMenu teamenu(){**return *teamenu***;}  
 **public void** teaMenu(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"===============茶叶信息管理================"**);  
 System.***out***.println(**"\t\t 1.显示所有茶叶信息"**);  
 System.***out***.println(**"\t\t 2.添加茶叶"**);  
 System.***out***.println(**"\t\t 3.修改茶叶"**);  
 System.***out***.println(**"\t\t 4.删除茶叶"**);  
 System.***out***.println(**"\t\t 5.查询指定茶叶"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入数字选项，或输入\"n\"返回上级菜单:"**);  
 String choose = Util.*acceptInput*(**"1"**, **"2"**, **"3"**, **"4"**, **"5"**, **"n"**);  
  
 **switch** (choose) {  
 **case "1"**:  
 showGoods.*showgoods*().showAll();  
 **break**;  
 **case "2"**:  
 addGoods.*addgoods*().add();  
 **break**;  
 **case "3"**:  
 modfiyGoods.*modfiygoods*().modify();  
 **break**;  
 **case "4"**:  
 deletGoods.*deletgoods*().delet();  
 **break**;  
 **case "5"**:  
 inquireGoods.*inquiregoods*().inquire();  
 **break**;  
 **case "n"**:  
 con = **false**;  
 showMain.*showmain*().showMainMenu();  
 **break**;  
 }  
 }**while** (con);  
 }  
}

3.5茶叶结算页面类

**package** client.diercen;  
  
**import** Utils.TeaSettlementDao;  
**import** client.diyicen.Util;  
**import** client.diyicen.showMain;  
  
*/\*  
 \*茶叶结算页面类  
 \*/***public class** teaSettlement {  
 **private static final** teaSettlement ***settlement*** = **new** teaSettlement();  
 **public static** teaSettlement settlement(){**return *settlement***;}  
  
 **public void** teasettlement(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"===============茶叶结算================"**);  
 System.***out***.println(**"\t\t 1.查看订单"**);  
 System.***out***.println(**"\t\t 2.结算"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入数字选项，或输入\"n\"返回上级菜单:"**);  
 String choose = Util.*acceptInput*(**"1"**, **"2"**, **"n"**);  
  
 **switch** (choose) {  
 **case "1"**:  
 TeaSettlementDao.*teaSettlementDao*().showSettlement();  
 **break**;  
 **case "2"**:  
 TeaSettlementDao.*teaSettlementDao*().settlement();  
 **break**;  
 **case "n"**:  
 con = **false**;  
 showMain.*showmain*().showMainMenu();  
 **break**;  
 }  
 }**while** (con);  
 }  
}

3.6礼品信息管理页面类

**package** client.diyicen;  
**import** client.diercen.\*;  
**import** client.Menu;  
  
**public class** showMain {  
 **private static final** showMain ***showmain*** = **new** showMain();  
 **public static** showMain showmain(){**return *showmain***;}  
 **public void** showMainMenu(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"☆☆☆☆☆欢迎使用中软国际-茶城管理系统☆☆☆☆☆"**);  
 System.***out***.println(**"===============进入主界面================"**);  
 System.***out***.println(**"\t\t 1.茶友信息管理"**);  
 System.***out***.println(**"\t\t 2.茶叶信息管理"**);  
 System.***out***.println(**"\t\t 3.茶叶结算"**);  
 System.***out***.println(**"\t\t 4.礼品信息管理"**);  
 System.***out***.println(**"\t\t 5.回馈"**);  
 System.***out***.println(**"\t\t 6.注销"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入选项菜单："**);  
 String choose = Util.*acceptInput*(**"1"**,**"2"**,**"3"**,**"4"**,**"5"**,**"6"**);  
  
 **switch**(choose) {  
 **case "1"**:  
 showMenu.*showmenu*().showCustMenu();  
 **break**;  
 **case "2"**:  
 showTeaMenu.*teamenu*().teaMenu();  
 **break**;  
 **case "3"**:  
 teaSettlement.*settlement*().teasettlement();  
 **break**;  
 **case "4"**:  
 showGiftMenu.*giftmenu*().giftMenu();  
 **break**;  
 **case "5"**:  
 showgiveBack.*back*().giveback();  
 *//Dao.dao().give();* **break**;  
 **case "6"**:  
 System.***out***.println(**"跳转到登录页"**);  
 Menu.*menu*().showLoginMenu();  
 con = **false**;  
 **break**;  
 }  
 }**while** (con);  
 }  
}

3.7回馈页面类

**package** client.diercen;  
**import** Utils.giveDao;  
**import** client.diyicen.Util;  
**import** client.diyicen.showMain;  
*/\*  
回馈页面类  
 \*/***public class** showgiveBack {  
 **private static final** showgiveBack ***back*** = **new** showgiveBack();  
 **public static** showgiveBack back(){**return *back***;}  
  
 **public void** giveback(){  
 **boolean** con = **true**;  
 **do** {  
 System.***out***.println(**"===============回馈================"**);  
 System.***out***.println(**"\t\t 1.发放积分"**);  
 System.***out***.println(**"\t\t 2.发放礼品"**);  
 System.***out***.println(**"\t\t 3.礼品回馈记录"**);  
 System.***out***.println(**"======================================="**);  
 System.***out***.println(**"请输入数字选项，或输入\"n\"返回上级菜单:"**);  
 String choose = Util.*acceptInput*(**"1"**, **"2"**, **"3"**,**"n"**);  
  
 **switch** (choose) {  
 **case "1"**:  
 giveDao.*dao*().giveSorce();  
 **break**;  
 **case "2"**:  
 giveDao.*dao*().giveGift();  
 **break**;  
 **case "3"**:  
 giveDao.*dao*().showGiveBack();  
 **break**;  
 **case "n"**:  
 con = **false**;  
 **break**;  
 }  
 }**while** (con);  
 showMain.*showmain*().showMainMenu();  
 }  
}

4.所有茶友操作类

4.1茶友操作方法类

**package** Utils;  
**import** bean.Customer;  
**import** db.DB;  
  
 **public class** CustomerDao {  
 **private static** CustomerDao *customerDao* = **new** CustomerDao();  
 **public static** CustomerDao customerDao(){  
 **return** *customerDao*;  
 }  
 */\*\*  
 \* 查询所有  
 \*/* **public void** showList(){  
 System.***out***.println(**"茶友号\t手机号\t茶友生日\t积分"**);  
 **for**(Customer c : DB.*customerList*){  
 System.***out***.println(c.getId()+**"\t"**+c.getPhone()+**"\t"**+c.getBirthday()+**"\t"**+c.getScore());  
 }  
 }  
  
 */\*\*  
 \* 添加客户到集合中**\*/* **public void** add(Customer customer) {  
 *// 获取当前最后一个元素的id，将id+1之后赋值给新客户* customer.setId(DB.*customerList*.get(DB.*customerList*.size()-1).getId()+1);  
 DB.*customerList*.add(customer);  
 }  
  
 */\*\*  
 \* 根据手机号修改茶友信息**\*/* **public void** modify(String phone,Customer newCust){  
 Customer customer = selectCustomer(phone);  
 **if**(newCust.getPhone()!=**null**){  
 customer.setPhone(newCust.getPhone());  
 }  
 **if**(newCust.getBirthday()!=**null**){  
 customer.setBirthday(newCust.getBirthday());  
 }  
 **if**(newCust.getScore()!=0){  
 customer.setScore(newCust.getScore());  
 }  
 System.***out***.println(**"修改后："**);  
 System.***out***.println(**"茶友号\t手机号\t茶友生日\t积分"**);  
 System.***out***.println(customer.getId()+**"\t"**+customer.getPhone()+**"\t"**+customer.getBirthday()+**"\t"**+customer.getScore());  
 }  
 **public void** delete(String phone){  
 Customer customer = selectCustomer(phone);  
 DB.*customerList*.remove(customer);  
 System.***out***.println(**"删除成功"**);  
 }  
 */\*\*  
 \* 根据手机号查询茶友信息**\*/* **public** Customer selectCustomer(String phone){  
 **for**(Customer c : DB.*customerList*){  
 **if**(c.getPhone().equals(phone)){  
 **return** c;  
 }  
 }  
 **return null**;  
 }  
 */\*\*  
 \* 根据id查询茶友信息**\*/* **public** Customer selectCustomer(**long** id){  
 **for**(Customer c : DB.*customerList*){  
 **if**(c.getId()==id){  
 **return** c;  
 }  
 }  
 **return null**;  
 }  
 }

4.2茶友添加操作

**package** Utils.Customer;  
**import** client.diercen.showMenu;  
**import** client.diyicen.Util;  
**import** bean.Customer;  
**import** java.util.Scanner;  
**import static** Utils.CustomerDao.*customerDao*;  
*/\*  
 \* 茶叶添加类  
 \*/***public class** addCust {  
 **private static** addCust *add* = **new** addCust();  
 **public static** addCust add(){  
 **return** *add*;  
 }  
 *// 添加的方法* **public void** addCustomer(){  
 BirthJudgment judgment = **new** BirthJudgment();  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>添加茶友信息"**);  
  
 System.***out***.print(**"请输入茶友的手机号："**);  
 String phone = in.nextLine();  
 *// 判断输入是否合法* **while**(phone.length()!=11){  
 System.***out***.print(**"手机号输入错误，请重新输入："**);  
 phone = in.nextLine();  
 }  
 System.***out***.print(**"请输入茶友的生日（年-月-日）："**);  
 String birthday = in.nextLine();  
 *// 保存茶友信息* **if** (judgment.Judgment(birthday)){  
 Customer customer = **new** Customer();  
 customer.setPhone(phone);  
 customer.setBirthday(birthday);  
 customer.setScore(0);  
 *customerDao*().add(customer);  
 System.***out***.println(**"添加成功！！！"**);  
 }**else** System.***out***.println(**"日期不合法"**);  
 *// 返回操作* System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showMenu.*showmenu*().showCustMenu();  
 }  
 }  
}

4.3茶友删除操作

**package** Utils.Customer;  
**import** Utils.CustomerDao;  
**import** client.diercen.showMenu;  
**import** client.diyicen.Util;  
**import** java.util.Scanner;  
**import static** Utils.CustomerDao.*customerDao*;  
*/\*  
 \* 删除茶友操作类  
 \*/***public class** deletCust {  
 **private static** deletCust *delet* = **new** deletCust();  
 **public static** deletCust delet(){**return** *delet*;}  
  
 **public void** deletCustomer(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>删除茶友信息"**);  
 System.***out***.println(**"==================================="**);  
 CustomerDao.*customerDao*().showList();  
 System.***out***.println(**"==================================="**);  
 System.***out***.print(**"请输入茶友的手机号："**);  
 String phone = in.nextLine();  
 *// 判断输入是否合法* **while**(phone.length()!=11){  
 System.***out***.print(**"手机号输入错误，请重新输入："**);  
 phone = in.nextLine();  
 }  
 System.***out***.print(**"是否确定删除(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**,**"n"**);  
 **if**(**"y"**.equals(flag)){  
 *// customerDao中的delet方法，用于删除茶友信息  
 customerDao*().delete(phone);  
 }  
 *// 返回操作* System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showMenu.*showmenu*().showCustMenu();  
 }  
 }  
}

4.4茶友查询操作

**package** Utils.Customer;  
**import** client.diercen.showMenu;  
**import** client.diyicen.Util;  
**import** bean.Customer;  
**import** java.util.Scanner;  
**import static** Utils.CustomerDao.*customerDao*;  
*/\*  
 \* 查询茶友信息的类  
 \*/***public class** inquireCust {  
 **private static final** inquireCust ***inquire*** = **new** inquireCust();  
 **public static** inquireCust inquire(){**return *inquire***;}  
  
 **public void** showCustomer(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>查询茶友信息"**);  
 **try** {  
 System.***out***.println(**"请输入要查询的id或手机号："**);  
 String inputkey = in.nextLine();  
 Customer customer;  
 **if**(inputkey.length() == 11){  
 customer = *customerDao*().selectCustomer(inputkey);  
 **if**(customer==**null**){  
 System.***out***.println(**"您查询的用户不存在，该手机号用户，未被注册"**);  
 }  
 }**else**{  
 Long id = Long.*valueOf*(inputkey);  
 customer = *customerDao*().selectCustomer(id);  
 **if**(customer==**null**){  
 System.***out***.println(**"您查询的用户不存在，没有该id"**);  
 }  
 }  
 System.***out***.println(**"茶友号\t手机号\t\t茶友生日\t\t会员积分"**);  
 System.***out***.println(customer.getId()+**"\t"**+customer.getPhone()+**"\t"**+customer.getBirthday()+**"\t"**+customer.getScore());  
 } **catch** (NumberFormatException e) {  
 System.***out***.println(**"输入错误，重新执行"**);  
 showCustomer();  
 }  
 *// 返回操作* System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showMenu.*showmenu*().showCustMenu();  
 }  
 }  
}

4.5茶友修改操作

**package** Utils.Customer;  
**import** Utils.CustomerDao;  
**import** client.diercen.showMenu;  
**import** client.diyicen.Util;  
**import** bean.Customer;  
**import** java.util.Scanner;  
*/\*  
 \* 茶友信息修改的类  
 \*/***public class** modifyCust **extends** CustomerDao {  
 **private static final** modifyCust ***modify*** = **new** modifyCust();  
 **public static** modifyCust modify(){**return *modify***;}  
 BirthJudgment **judgment** = **new** BirthJudgment();  
 **public void** modifyCustomer(){  
 Scanner in = **new** Scanner(System.***in***);  
 Customer newCust = **new** Customer();  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>修改茶友信息"**);  
 System.***out***.println(**"==================================="**);  
 CustomerDao.*customerDao*().showList();  
 System.***out***.println(**"==================================="**);  
 System.***out***.print(**"请输入要修改的茶友的手机号："**);  
 String phone = in.nextLine();  
 **while**(phone.length()!=11 || selectCustomer(phone) == **null**){  
 System.***out***.print(**"手机号输入不存在或错误，请重新输入："**);  
 phone = in.nextLine();  
 }  
 *// 加判断，是否要修改手机号，如果要修改手机号，输入新的手机号3* **do**{  
 System.***out***.print(**"是否确定修改手机号码(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 **if** (selectCustomer(phone) != **null**) {  
 System.***out***.print(**"请输入要修改的手机号码"**);  
 String pho = in.nextLine();  
 newCust.setPhone(pho);  
 System.***out***.println(**"修改成功！\n"**);  
 System.***out***.println(**"是否确定要修改生日日期(y/n)\n"**);  
 **break**;  
 } **else** System.***out***.println(**"输入的用户不存在"**);  
 }**if**(**"n"**.equals(flag)){  
  
 **break**;  
 }  
 }**while** (**true**);  
 **do** {  
 System.***out***.print(**"是否确定要修改生日日期(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 System.***out***.print(**"请输入茶友的生日（年-月-日）："**);  
 String birthday = in.nextLine();  
 **if** (!birthday.equals(newCust.getBirthday()) && **judgment**.Judgment(birthday)){  
 newCust.setBirthday(birthday);  
 System.***out***.println(**"修改成功！"**);  
 **break**;  
 }**else**{  
 System.***out***.println(**"日期不合法或相同！！"**);  
 }  
 }**if**(**"n"**.equals(flag)){  
 **break**;  
 }  
 }**while** (**true**);  
 *// 加判断，是否要修改生日，如果要修改生日，则输入新的生日* modify(phone,newCust);  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showMenu.*showmenu*().showCustMenu();  
 }  
 }  
}

4.6茶友查看操作

**package** Utils.Customer;  
**import** client.diercen.showMenu;  
**import** client.diyicen.Util;  
**import static** Utils.CustomerDao.*customerDao*;  
*/\*  
 \* 查看茶友信息的类  
 \*/***public class** showCust {  
 **private static final** showCust ***show*** = **new** showCust();  
 **public static** showCust show(){  
 **return *show***;  
 }  
 **public void** showAll(){  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>显示所有茶友信息"**);  
 *customerDao*().showList();  
 System.***out***.println(**"输入n返回上级菜单"**);  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showMenu.*showmenu*().showCustMenu();  
 }  
 }  
}

4.7判断修改或添加日期合法性的方法

**package** Utils.Customer;  
**import** java.text.DateFormat;  
**import** java.text.ParseException;  
**import** java.text.SimpleDateFormat;  
**import** java.util.Date;  
*/\*  
 \* 判断输入日期是否合法的类  
 \*/***public class** BirthJudgment {  
 **public** Boolean Judgment(String str){  
 DateFormat datef = **new** SimpleDateFormat(**"yyyy-MM-dd"**);  
 datef.setLenient(**false**);  
 **try** {  
 Date date = datef.parse(str);  
 } **catch** (ParseException e) {  
 **return false**;  
 }  
 **return true**;  
 }  
}

5.所有茶叶（商品）操作类

5.1茶叶操作方法类

**package** Utils;  
**import** bean.Goods;  
**import** db.DB;  
  
**public class** GoodsDao {  
 **private static final** GoodsDao ***goodsDao*** = **new** GoodsDao();  
 **public static** GoodsDao goodsDao(){  
 **return *goodsDao***;  
 }  
 */\*\*  
 \* 查询所有  
 \*/* **public void** showList(){  
 System.***out***.println(**"商品编号\t商品名称\t商品价值\t商品兑换积分"**);  
 **for**(Goods c : DB.*goodsList*){  
 System.***out***.println(c.getId()+**"\t"**+c.getName()+**"\t"**+c.getPrice()+**"\t"**+c.getCount());  
 }  
 }  
  
 */\*\*  
 \* 添加茶叶到集合中  
 \*/* **public void** add(Goods goods) {  
 *// 获取当前最后一个元素的id，将id+1之后赋值给新客户* goods.setId(DB.*goodsList*.get(DB.*goodsList*.size()-1).getId()+1);  
 DB.*goodsList*.add(goods);  
 }  
  
 */\*\*  
 \* 根据手机号修改茶叶信息  
 \*/* **public void** modify(String name,Goods newGoods){  
 Goods goods = selectGoods(name);  
 **if**(newGoods.getId()!=0){  
 goods.setId(newGoods.getId());  
 }  
 **if**(newGoods.getName()!=**null**){  
 goods.setName(newGoods.getName());  
 }  
 **if**(newGoods.getPrice()!=0){  
 goods.setPrice(newGoods.getPrice());  
 }  
 **if**(newGoods.getCount()!=0){  
 goods.setCount(newGoods.getCount());  
 }  
 }  
  
 */\*\*  
 \* 删除信息  
 \*/* **public void** delete(String name){  
 Goods goods = selectGoods(name);  
 DB.*goodsList*.remove(goods);  
 System.***out***.println(**"删除成功"**);  
 }  
 */\*\*  
 \* 根据名称查询茶叶信息  
 \*/* **public** Goods selectGoods(**long** id){  
  
 **for**(Goods c : DB.*goodsList*){  
 **if**(c.getId() == id){  
 **return** c;  
 }  
 }  
 **return null**;  
 }  
 */\*\*  
 \* 根据name查询商品信息  
 \*/* **public** Goods selectGoods(String name){  
 **for**(Goods c : DB.*goodsList*){  
 **if**(c.getName().equals(name)){  
 **return** c;  
 }  
 }  
 **return null**;  
 }  
}

5.2茶叶添加操作

**package** Utils.Goods;  
**import** Utils.GoodsDao;  
**import** client.diercen.showTeaMenu;  
**import** client.diyicen.Util;  
**import** bean.Goods;  
**import** java.util.Scanner;  
*/\*  
 \* 茶叶添加操作  
 \*/***public class** addGoods {  
 **private static** addGoods *addgoods* = **new** addGoods();  
 **public static** addGoods addgoods(){  
 **return** *addgoods*;  
 }  
 **public void** add(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>茶叶信息管理>>添加茶叶信息\n"**);  
 System.***out***.print(**"请输入茶叶的名称："**);  
 String name = in.nextLine();  
 System.***out***.print(**"请输入茶叶的价值："**);  
 **int** price = in.nextInt();  
 System.***out***.print(**"请输入茶叶的积分："**);  
 **int** count = in.nextInt();  
  
 Goods goods = **new** Goods();  
 goods.setName(name);  
 goods.setPrice(price);  
 goods.setCount(count);  
 GoodsDao.*goodsDao*().add(goods);  
 System.***out***.println(**"添加成功！"**);  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showTeaMenu.*teamenu*().teaMenu();  
 }  
  
 }  
}

5.3删除茶叶信息操作

**package** Utils.Goods;  
**import** Utils.GoodsDao;  
**import** client.diercen.showTeaMenu;  
**import** client.diyicen.Util;  
**import** java.util.Scanner;  
*/\*  
 \* 删除茶叶信息操作  
 \*/***public class** deletGoods **extends** GoodsDao{  
 **private static** deletGoods *deletgoods* = **new** deletGoods();  
 **public static** deletGoods deletgoods(){  
 **return** *deletgoods*;  
 }  
 **public void** delet(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>删除茶友信息"**);  
 System.***out***.println(**"==================================="**);  
 GoodsDao.*goodsDao*().showList();  
 System.***out***.println(**"==================================="**);  
 System.***out***.print(**"请输入茶叶的名称："**);  
 String name = in.nextLine();  
 System.***out***.print(**"是否确定删除(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**,**"n"**);  
 **if**(**"y"**.equals(flag)){  
 delete(name);  
 }  
 *// 返回操作* System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showTeaMenu.*teamenu*().teaMenu();  
 }  
 }  
}

5.4茶叶查询操作

**package** Utils.Goods;  
**import** Utils.GoodsDao;  
**import** client.diercen.showTeaMenu;  
**import** client.diyicen.Util;  
**import** bean.Goods;  
**import** java.util.Scanner;  
*/\*  
 \* 茶叶查询操作  
 \*/***public class** inquireGoods **extends** GoodsDao{  
 **private static** inquireGoods *inquiregoods* = **new** inquireGoods();  
 **public static** inquireGoods inquiregoods(){  
 **return** *inquiregoods*;  
 }  
 **public void** inquire(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"请输入要查询的茶叶名称："**);  
 String inputkey = in.nextLine();  
 Goods goods = **new** Goods();  
 **if**(inputkey != **null**){  
 goods = selectGoods(inputkey);  
 **if**(goods==**null**){  
 System.***out***.println(**"您查询的茶叶不存在"**);  
 }  
 }  
 System.***out***.println(**"商品编号\t商品名称\t\t价格\t\t积分"**);  
 System.***out***.println(goods.getId()+**"\t"**+goods.getName()+**"\t"**+goods.getPrice()+**"\t"**+goods.getCount());  
   
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showTeaMenu.*teamenu*().teaMenu();  
 }  
 }  
}

5.5茶叶信息修改操作

**package** Utils.Goods;  
**import** Utils.GoodsDao;  
**import** client.diercen.showTeaMenu;  
**import** client.diyicen.Util;  
**import** bean.Goods;  
**import** java.util.Scanner;  
*/\*  
 \* 茶叶信息修改操作  
 \*/***public class** modfiyGoods **extends** GoodsDao {  
 **private static final** modfiyGoods ***modfiygoods*** = **new** modfiyGoods();  
 **public static** modfiyGoods modfiygoods(){  
 **return *modfiygoods***;  
 }  
 **public void** modify(){  
 Scanner in = **new** Scanner(System.***in***);  
 Goods goods = **new** Goods();  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>修改茶友信息"**);  
 System.***out***.println(**"==================================="**);  
 GoodsDao.*goodsDao*().showList();  
 System.***out***.println(**"==================================="**);  
 System.***out***.print(**"请输入茶友的名称："**);  
 String name = in.nextLine();  
 **while**(selectGoods(name) == **null**){  
 System.***out***.print(**"名称不存在或错误，请重新输入："**);  
 name = in.nextLine();  
 }  
 *// 加判断，是否要修改手机号，如果要修改手机号，输入新的手机号3* **do**{  
 System.***out***.print(**"是否确定修改名称(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 **if** (selectGoods(name) != **null**) {  
 System.***out***.print(**"请输入要修改的名称"**);  
 String pho = in.nextLine();  
 goods.setName(pho);  
 System.***out***.println(**"修改成功！\n"**);  
 System.***out***.println(**"是否确定要修改价值(y/n)\n"**);  
 **break**;  
 } **else** System.***out***.println(**"输入的商品不存在"**);  
 }**if**(**"n"**.equals(flag)){  
 System.***out***.println(**"是否确定要修改价值(y/n)"**);  
 **break**;  
 }  
 }**while** (**true**);  
 **do** {  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 System.***out***.print(**"请输入修改后的价格："**);  
 **int** price = in.nextInt();  
 **if** (price != goods.getPrice()) {  
 goods.setPrice(price);  
 System.***out***.println(**"修改成功！"**);  
 **break**;  
 }  
 }**if**(**"n"**.equals(flag)){  
 System.***out***.println(**"是否确定要修改库存(y/n)"**);  
 **break**;  
 }  
 }**while** (**true**);  
 **do** {  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 System.***out***.print(**"请输入修改后的库存："**);  
 **int** count = in.nextInt();  
 **if** (count != goods.getCount()) {  
 goods.setCount(count);  
 System.***out***.println(**"修改成功！"**);  
 **break**;  
 }  
 }  
 **if** (**"n"**.equals(flag)) {  
 **break**;  
 }  
 }**while**(**true**);  
 modify(name,goods);  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showTeaMenu.*teamenu*().teaMenu();  
 }  
 }  
}

5.6茶叶信息查看操作

**import** Utils.GoodsDao;  
**import** client.diercen.showTeaMenu;  
**import** client.diyicen.Util;  
*/\*  
 \* 茶叶信息查看操作  
 \*/***public class** showGoods {  
 **private static** showGoods *showgoods* = **new** showGoods();  
 **public static** showGoods showgoods(){  
 **return** *showgoods*;  
 }  
 **public void** showAll(){  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>显示所有茶友信息\n"**);  
 GoodsDao.*goodsDao*().showList();  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showTeaMenu.*teamenu*().teaMenu();  
 }  
 }  
}

6.所有礼品信息操作类

6.1礼品操作信息方法类

**package** Utils;  
**import** bean.Gift;  
**import** db.DB;  
  
**public class** GiftDao {  
 **private static final** GiftDao ***GiftDao*** = **new** GiftDao();  
 **public static** GiftDao GiftDao(){  
 **return *GiftDao***;  
 }  
 */\*\*  
 \* 查询所有  
 \*/* **public void** showList(){  
 System.***out***.println(**"礼品名称\t礼品价值\t兑换积分"**);  
 **for**(Gift c : DB.*giftList*){  
 System.***out***.println(c.getName()+**"\t"**+c.getPrice()+**"\t\t"**+c.getCount());  
 }  
 }  
  
 */\*\*  
 \* 添加礼品到集合中  
 \*/* **public void** add(Gift gift) {  
 DB.*giftList*.add(gift);  
 }  
  
 */\*\*  
 \* 根据名称修改礼品信息  
 \*/* **public void** modify(String phone,Gift newGift){  
 Gift Gift = selectGift(phone);  
 **if**(newGift.getName()!=**null**){  
 Gift.setName(newGift.getName());  
 }  
 **if**(newGift.getPrice()!=0){  
 Gift.setPrice(newGift.getPrice());  
 }  
 **if**(newGift.getCount()!=0){  
 Gift.setCount(newGift.getCount());  
 }  
 System.***out***.println(**"修改后："**);  
 System.***out***.println(**"名称\t价值\t积分"**);  
 System.***out***.println(Gift.getName()+**"\t"**+Gift.getPrice()+**"\t"**+Gift.getCount());  
 }  
 **public void** delete(String phone){  
 Gift Gift = selectGift(phone);  
 DB.*giftList*.remove(Gift);  
 System.***out***.println(**"删除成功"**);  
 }  
  
 */\*\*  
 \* 根据id查询礼品信息  
 \*/* **public** Gift selectGift(String name){  
 **for**(Gift c : DB.*giftList*){  
 **if**(c.getName().equals(name)){  
 **return** c;  
 }  
 }  
 **return null**;  
 }  
}

6.2礼品信息添加操作

**package** Utils.Gift;  
**import** Utils.GiftDao;  
**import** client.diercen.showGiftMenu;  
**import** client.diyicen.Util;  
**import** bean.Gift;  
**import** java.util.Scanner;  
*/\*  
 \* 添加礼品信息的类  
 \*/***public class** addGift **extends** GiftDao {  
 **private static final** addGift ***addgift*** = **new** addGift();  
 **public static** addGift addgift(){**return *addgift***;}  
 **public void** add(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>礼品信息管理>>添加礼品信息\n"**);  
 System.***out***.print(**"请输入礼品的名称："**);  
 String name = in.nextLine();  
 System.***out***.print(**"请输入礼品的价值："**);  
 **int** price = in.nextInt();  
 System.***out***.print(**"请输入礼品的积分："**);  
 **int** count = in.nextInt();  
  
 Gift gift = **new** Gift();  
 add(gift);  
 gift.setName(name);  
 gift.setPrice(price);  
 gift.setCount(count);  
 GiftDao.*GiftDao*();  
 System.***out***.println(**"添加成功！"**);  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showGiftMenu.*giftmenu*().giftMenu();  
 }  
 }  
}

6.3礼品信息删除操作

**package** Utils.Gift;  
**import** Utils.GiftDao;  
**import** client.diercen.showGiftMenu;  
**import** client.diyicen.Util;  
**import** java.util.Scanner;  
*/\*  
 \* 删除礼品信息的类  
 \*/***public class** deletGift **extends** GiftDao {  
 **private static final** deletGift ***deletift*** = **new** deletGift();  
 **public static** deletGift deletift(){  
 **return *deletift***;  
 }  
  
 **public void** delet(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"茶城购物管理系统>>礼品信息管理>>删除礼品信息"**);  
 System.***out***.println(**"============================="**);  
 GiftDao.*GiftDao*().showList();  
 System.***out***.println(**"============================="**);  
 System.***out***.print(**"请输入礼品的名称："**);  
 String name = in.nextLine();  
  
 System.***out***.print(**"是否确定删除(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**,**"n"**);  
 **if**(**"y"**.equals(flag)){  
 delete(name);  
 }  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showGiftMenu.*giftmenu*().giftMenu();  
 }  
 }  
}

6.4礼品信息查询操作

**package** Utils.Gift;  
**import** Utils.GiftDao;  
**import** client.diercen.showGiftMenu;  
**import** client.diyicen.Util;  
**import** bean.Gift;  
**import** java.util.Scanner;  
*/\*  
 \* 查询礼品信息的类  
 \*/***public class** inquireGift **extends** GiftDao {  
 **private static final** inquireGift ***inquiregift*** = **new** inquireGift();  
 **public static** inquireGift inquiregift(){  
 **return *inquiregift***;  
 }  
  
 **public void** inquire(){  
 Scanner in = **new** Scanner(System.***in***);  
 System.***out***.println(**"请输入要查询的礼品名称："**);  
 String inputkey = in.nextLine();  
 Gift gift = **new** Gift();  
 **if**(inputkey != **null**){  
 gift = selectGift(inputkey);  
 **if**(gift==**null**){  
 System.***out***.println(**"您查询的礼品不存在"**);  
 }  
 }  
 System.***out***.println(**"礼品名称\t\t价值\t\t积分"**);  
 System.***out***.println(gift.getName()+**"\t"**+gift.getPrice()+**"\t"**+gift.getCount());  
   
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showGiftMenu.*giftmenu*().giftMenu();  
 }  
 }  
}

6.5礼品信息修改操作

**package** Utils.Gift;  
**import** Utils.GiftDao;  
**import** client.diercen.showGiftMenu;  
**import** client.diyicen.Util;  
**import** bean.Gift;  
**import** java.util.Scanner;  
*/\*  
 \* 礼品信息修改操作  
 \*/***public class** modifyGift **extends** GiftDao {  
 **private static final** modifyGift ***modifygift*** = **new** modifyGift();  
 **public static** modifyGift modifygift(){**return *modifygift***;}  
  
 **public void** modify(){  
 Scanner in = **new** Scanner(System.***in***);  
 Gift gift = **new** Gift();  
 System.***out***.println(**"茶城购物管理系统>>礼品信息管理>>修改礼品信息"**);  
 System.***out***.println(**"============================="**);  
 GiftDao.*GiftDao*().showList();  
 System.***out***.println(**"============================="**);  
 System.***out***.print(**"请输入礼品的名称："**);  
 String name = in.nextLine();  
 **while**(selectGift(name) == **null**){  
 System.***out***.print(**"名称不存在或错误，请重新输入："**);  
 name = in.nextLine();  
 }  
 **do**{  
 System.***out***.print(**"是否确定修改名称(y/n):"**);  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 **if** (selectGift(name) != **null**) {  
 System.***out***.print(**"请输入要修改的名称"**);  
 String nam = in.nextLine();  
 gift.setName(nam);  
 System.***out***.println(**"修改成功！\n"**);  
 System.***out***.println(**"是否确定要修改价值(y/n)\n"**);  
 **break**;  
 } **else** System.***out***.println(**"输入的礼品不存在"**);  
 }**if**(**"n"**.equals(flag)){  
 System.***out***.print(**"是否确定要修改价值(y/n)"**);  
 **break**;  
 }  
 }**while** (**true**);  
 **do** {  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 System.***out***.print(**"请输入修改后的价值："**);  
 **int** price = in.nextInt();  
 **if** (price != gift.getPrice()) {  
 gift.setPrice(price);  
 System.***out***.println(**"修改成功！"**);  
 **break**;  
 }  
 }**if**(**"n"**.equals(flag)){  
 **break**;  
 }  
 }**while** (**true**);  
 **do** {  
 System.***out***.print(**"是否确定要修改库存(y/n)"**);  
 String flag = Util.*acceptInput*(**"y"**, **"n"**);  
 **if** (**"y"**.equals(flag)) {  
 System.***out***.print(**"请输入修改后的库存："**);  
 **int** count = in.nextInt();  
 **if** (count != gift.getCount() && count >= 0) {  
 gift.setCount(count);  
 System.***out***.println(**"修改成功！"**);  
 **break**;  
 }  
 }**if**(**"n"**.equals(flag)){  
 **break**;  
 }  
 }**while** (**true**);  
 modify(name,gift);  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showGiftMenu.*giftmenu*().giftMenu();  
 }  
 }  
}

6.6礼品信息查看操作

**package** Utils.Gift;  
**import** Utils.GiftDao;  
**import** client.diercen.showGiftMenu;  
**import** client.diyicen.Util;  
*/\*  
 \* 礼品信息查看操作  
 \*/***public class** showGift {  
 **private static final** showGift ***showgift*** = **new** showGift();  
 **public static** showGift showGift(){  
 **return *showgift***;  
 }  
 **public void** showAllGift(){  
 System.***out***.println(**"茶城购物管理系统>>茶友信息管理>>显示所有茶友信息\n"**);  
 GiftDao.*GiftDao*().showList();  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showGiftMenu.*giftmenu*().giftMenu();  
 }  
 }  
}

1. 茶叶结算所有操作

7.1所有操作方法

**package** Utils;  
**import** bean.Order;  
**import** client.diercen.teaSettlement;  
**import** client.diyicen.Util;  
**import static** db.DB.*orderList*;  
*/\*  
 \* 茶叶结算所有操作  
 \*/***public class** TeaSettlementDao {  
 **private static final** TeaSettlementDao ***teaSettlementDao***= **new** TeaSettlementDao();  
 **public static** TeaSettlementDao teaSettlementDao(){  
 **return *teaSettlementDao***;  
 }  
 *// 查看操作* **public void** showSettlement(){  
 System.***out***.println(**"茶友手机号\t茶叶名称\t总价\t\t数量"**);  
 **for**(Order c : *orderList*) {  
 System.***out***.println(c.getPhone() + **"\t"** + c.getName() + **"\t"** + c.getPrice() + **"\t"** + c.getQuantity());  
 }  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 teaSettlement.*settlement*().teasettlement();  
 }  
 }  
  
 *// 结算操作* **public void** settlement(){  
 *// 计算总金额* **double** totalAmount = 0;  
 **for** (Order order : *orderList*) {  
 totalAmount += order.getPrice();  
 }  
 *// 生成结算单据* System.***out***.println(**"茶叶结算单据："**);  
 System.***out***.println(**"====================="**);  
 **for** (Order order : *orderList*) {  
 System.***out***.println(**"茶叶名称: "** + order.getName());  
 System.***out***.println(**"数量: "** + order.getQuantity());  
 System.***out***.println(**"---------------------"**);  
 }  
 System.***out***.println(**"总金额: "** + totalAmount);  
 System.***out***.println(**"====================="**);  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 teaSettlement.*settlement*().teasettlement();  
 }  
 }  
}

1. 所有回馈操作方法类

8.1所有操作方法

**package** Utils;  
**import** bean.Customer;  
**import** bean.GiveBack;  
**import** client.diercen.showgiveBack;  
**import** client.diyicen.Util;  
**import** db.DB;  
**import** java.util.Scanner;  
**import static** db.DB.*customerList*;  
*/\*  
 \* 所有回馈操作方法类  
 \*/***public class** giveDao {  
 **private static final** giveDao ***dao*** = **new** giveDao();  
 **public static** giveDao dao(){**return *dao***;}  
 Scanner **scanner** = **new** Scanner(System.***in***);  
 GiveBack **giveBack** = **new** GiveBack();  
 *// 给茶友发放积分的方法* **public void** giveSorce(){  
 System.***out***.println(**"请输入回馈积分："**);  
 **int** feedbackPoints = **scanner**.nextInt();  
  
 System.***out***.println(**"回馈已发送给以下茶友："**);  
 System.***out***.println(**"====================="**);  
 **for** (Customer customer : *customerList*) {  
 String phone = customer.getPhone();  
 **int** currentPoints = customer.getScore();  
 System.***out***.println(**"茶友手机号: "** + phone);  
 System.***out***.println(**"当前积分: "** + (currentPoints + feedbackPoints));  
 System.***out***.println(**"---------------------"**);  
 }  
 System.***out***.println(**"====================="**);  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showgiveBack.*back*().giveback();  
 }  
 }  
 *// 给茶友发放礼品的方法* **public void** giveGift(){  
 System.***out***.print(**"请输入要发放礼品的茶友手机号："**);  
 System.***out***.println(**"==================================="**);  
 CustomerDao.*customerDao*().showList();  
 System.***out***.println(**"==================================="**);  
 String customerphone = **scanner**.nextLine();  
 **if**(CustomerDao.*customerDao*().selectCustomer(customerphone) != **null**){  
 GiftDao.*GiftDao*().showList();  
 System.***out***.println(**"请选择要发放的礼品(输入名称)："**);  
 String giftname = **scanner**.nextLine();  
 **if**(GiftDao.*GiftDao*().selectGift(giftname) != **null**){  
 add(**giveBack**);  
 **giveBack**.setCustomerPhone(customerphone);  
 **giveBack**.setName(giftname);  
 System.***out***.println(**"发放成功!!"**);  
 }**else** {System.***out***.println(**"礼品不存在！"**);}  
 }**else**{System.***out***.println(**"茶友不存在！"**);}  
  
 System.***out***.println();  
 System.***out***.println(**"返回输入n"**);  
 String item = Util.*acceptInput*(**"n"**);  
 **if**(**"n"**.equals(item)){  
 showgiveBack.*back*().giveback();  
 }  
 }  
 *// 查看礼品回馈记录的方法* **public void** showGiveBack(){  
 System.***out***.println(**"礼品名称\t茶友手机号"**);  
 **for**(GiveBack c : DB.*giveList*){  
 System.***out***.println(c.getName()+**"\t"**+c.getCustomerPhone());  
 }  
 }  
 **public void** add(GiveBack giveBack) {  
 giveBack.setId(DB.*giveList*.get(DB.*giveList*.size()-1).getId()+1);  
 DB.*giveList*.add(giveBack);  
  
 }  
}

9.管理员账号与密码处理/判断类

9.1修改密码操作

**package** Utils;  
**import** db.DB;  
**import** java.util.Scanner;  
*/\*  
 \* 修改密码陈操作  
 \*/***public class** modifyPwd {  
 **public static void** modifypwd(){  
 Scanner in = **new** Scanner(System.***in***);  
 **while**(**true**) {  
 System.***out***.print(**"请输入新密码(输入0退出修改密码)："**);  
 String newPwd = in.nextLine();  
 **if** (**"0"**.equals(newPwd)) {  
 **return**;  
 }  
 System.***out***.print(**"请再次输入新密码(输入0退出修改密码)："**);  
 String rePwd = in.nextLine();  
 **if** (**"0"**.equals(rePwd)) {  
 **return**;  
 }  
 **if** (newPwd.equals(rePwd)) {  
 DB.*manager*.setPassword(newPwd);  
 **return**;  
 }**else**{  
 System.***out***.println(**"两次输入密码不一致，请重新输入"**);  
 }  
 }  
 }  
}

9.2判断用户名和密码输入&接受用户键盘输入的acceptInput方法

**package** client.diyicen;  
**import** db.DB;  
**import** java.util.Scanner;  
*/\*  
 \* 检测用户名和密码是否正确的类  
 \*/***public class** Util {  
 **private static final** Scanner ***in*** = **new** Scanner(System.***in***);  
 **public static** String acceptInput(String... item){  
 String result;  
 **boolean** flag = **false**;  
 **do** {  
 result = ***in***.nextLine();  
  
 **for** (**int** i = 0;i<item.**length**;i++){  
 **if**(result.equalsIgnoreCase(item[i])){  
 flag = **true**;  
 **break**;  
 }  
 }  
 **if**(flag) **break**;  
 System.***out***.println(**"输入错误，请重新输入"**);  
 }**while**(**true**);  
 **return** result;  
 }  
  
 **public static boolean** login(){  
 **for** (**int** j = 5;;j--){  
  
 System.***out***.println(**"请输入用户名："**);  
 String inputName = ***in***.nextLine();  
 *// 判断输入的用户名是否正确* **if**(inputName.equals(DB.*manager*.getName())){  
 **for**(**int** i = 3; i>0; i--){  
 System.***out***.print(**"请输入密码(道友还有"**+i+**"次机会输入)："**);  
 String inputPwd = ***in***.nextLine();  
 *// 判断密码是否正确* **if**(inputPwd.equals(DB.*manager*.getPassword()))  
 **return true**;  
 **if**(i == 1){  
 System.***out***.println(**"密码错误三次，请联系管理员！"**);  
 System.*exit*(0);  
 }  
 System.***out***.println(**"您的密码输入错误，请重新输入。"**);  
 }  
 }  
 System.***out***.println(**"用户名输入错误，请重新输入。"**);  
 **if**(j == 1) {  
 System.***out***.println(**"超过5次输入错误，退出系统"**);  
 System.*exit*(0);  
 }  
 }  
 }  
}