

用户手册

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正文：

(一) 管理员模式

1. 管理员登录

进入主菜单后输入“1”进行管理员登录。

管理员通过管理员账号与密码登录。

登录成功如下：

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:1
Please enter the administrator's name:admin
Please enter your password:123456

-----SUCCESS-----
```

账号出错提示如下：

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:1
Please enter the administrator's name:admin
Please enter your password:123

-----Wrong password,the logon fails,return to the main menu-----
```

密码出错提示如下：

```

=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:1
Please enter the administrator's name:admi
Please enter your password:123456

-----Administrator's name does not exist, returns to the main menu-----

```

当账号密码同时出错时优先对账号出错进行提示：

```

=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:1
Please enter the administrator's name:admi
Please enter your password:123

-----Administrator's name does not exist, returns to the main menu-----

```

因此当账号出现错误提示时并不意味着密码正确。

由于管理员在此平台中拥有近乎无限的权能,且管理员对此平台的正常运作与管理维护十分重要,请各位管理员记住自己的账号与密码。

重要:管理员不可将账号密码泄漏给其他人,当发生可能泄漏的情况时,应第一时间反应情况。

2. 查看所有商品

管理员登录后输入“1”查看所有商品,包括任何状态的商品均可查看。

可查看商品的 ID, 名称, 单价, 数量, 卖家 ID, 上架时间, 状态

```

=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:1

commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15      10      U001      2022-03-01  onSale
M002        paper         1      100     U001      2022-03-01  onSale
M003        cup           15       4      U002      2022-03-01  onSale

```

注意:当没有商品上架查看商品将会在应有商品处出现无法辨别实际含义的乱码,此时管理员应忽视乱码并理解没有商品上架,此时没有查看商品的必要。

3. 搜索商品

管理员登录后输入“2”搜索商品,包括任何状态的商品均可搜索。

输入想要搜索的商品名称,如有商品符合符合如下:

```

=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:2
Please enter a Commodity Name:banana

commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15      10      U001      2022-03-01  onSale

```

没有商品符合如下：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:2
Please enter a Commodity Name:card

=====
Can't find the commodities you want! Return to the menu!
=====
```

4. 下架商品

管理员登录后输入“3”下架商品，包括任何状态的商品均可下架。

下架已下架的商品没有意义，因此管理员应避免重复下架商品。

通过输入想要下架的商品 ID 来下架商品。当有符合的商品时如下：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:3
Please confirm that you want off the shelf product ID:M001

Are you sure want to remove the commodity?
commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15     10      U001      2022-03-01  onSale

Your option(y/n):y
Remove successfully!
```

没有时如下：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:3
Please confirm that you want off the shelf product ID:M158

=====
Can't find the Commodity ID you want to remove! Return to the menu!
=====
```

为保证操作的正确性，在下架前会对下架信息进行确认，输入“y”表示确认下架，输入“n”表示取消下架。

输入“y”表示确认下架：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:3
Please confirm that you want off the shelf product ID:M001

Are you sure want to remove the commodity?
commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15     10      U001      2022-03-01  onSale

Your option(y/n):y
Remove successfully!
```

输入“n”表示取消下架。

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:3
Please confirm that you want off the shelf product ID:M001

Are you sure want to remove the commodity?
commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15     10     U001     2022-03-01  remove

Your option(y/n):n
Cancel remove!
```

商品下架后可通过查看商品列表确认商品状态：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:1

commodityID  commodityName  price  number  sellerID  addedDate  state
M001        banana        15     10     U001     2022-03-01  remove
M002        paper         1.2    100     U001     2022-03-01  remove
M003        cup           15.2    4      U002     2022-03-01  remove
```

5. 查看所有订单

管理员登录后输入“4”查看订单。

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:4

orderID  commodityID  unitPrice  number  date        sellerID  buyerID
T001     M001         15.0       10     2022-03-01  U001     U002
T002     M002         1.2        45     2022-03-01  U001     U002
```

注意：当没有订单时查看订单将会在应有订单处出现无法辨别实际含义的乱码，此时管理员应忽视乱码并理解没有订单，此时没有查看订单的必要。

6. 查看所有用户

管理员登录后输入“5”查看用户，包括任何状态的用户均可查看。

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:5

userID  username  phoneNumber  address  balance  userState
U001    user     12345678     nanjing  0        active
U002    kagami    123456789    beihai   0        active
```

注意：当没有用户时查看用户将会在应有用户处出现无法辨别实际含义的乱码，此时管理员应忽视乱码并理解没有用户，此时没有查看用户的必要。

7. 封禁用户

管理员登录后输入“6”封禁用户。

封禁已封禁的用户没有意义，因此管理员应避免重复封禁用户。

管理员通过输入用户 ID 来封禁用户，当有符合的 ID 时：

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:6
Please confirm that you want to ban user ID:U001

Are you sure want to ban the user?
=====
userID  username  phoneNumber  address  balance  userState
U001    user      12345678     nanjing  0        active
=====
Your option(y/n):y
Ban successfully!
```

没有符合的 ID 时:

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:6
Please confirm that you want to ban user ID:U003

=====
Can't find the User ID you want to ban! Return to the menu!
=====
```

为保证操作的正确性，在封禁前会对用户信息进行确认，输入“y”表示确认封禁，输入“n”表示取消封禁。
输入“y”表示确认封禁:

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:6
Please confirm that you want to ban user ID:U001

Are you sure want to ban the user?
=====
userID  username  phoneNumber  address  balance  userState
U001    user      12345678     nanjing  0        active
=====
Your option(y/n):y
Ban successfully!
```

输入“n”表示取消封禁::

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:6
Please confirm that you want to ban user ID:U002

Are you sure want to ban the user?
=====
userID  username  phoneNumber  address  balance  userState
U002    kagami    123456789    beihai   0        active
=====
Your option(y/n):n
Cancel ban!
```

8. 注销

管理员登录后输入“7”注销登录，而后回到主菜单。

```
=====
1.View all the commodities 2.Search the commodities 3.Remove the commodities 4.View all the orders 5.View all the users 6.Ban the users 7.Exit
=====

Input operation:7
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====
```

(二) 用户注册

进入主菜单后输入“2”进行用户注册。

首先输入昵称，昵称大小写均可，但仅为英文组成且不长于 10 个字符，如下:

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:2
Please enter User Name:otuka
Please enter Password:
```

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:2
Please enter User Name:OTUKA
Please enter Password:
```

昵称只可有英文构成:

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:2
Please enter User Name:otuka1
Contains illegal characters! User Name are allowed to only contains letters!
```

昵称不可长于 10 个字符:

```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:2
Please enter User Name:hellworldhhh
User Name are not allowed to be longer than 10 characters!
```

注意: 用户名不可与已有用户名重复, 如下:

```
Please enter User Name:user
User Name has existed!
```

昵称后输入密码, 密码不超过 20 个字符, 只由小写字母和数字组成, 如下:

```
Please re-enter:123456
Please enter TelephoneNumber:
```

密码不超过 20 个字符:


```
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:3
Please enter User Name:kagami
Please enter Password:123456
-----Login Successfully-----
```

账号或密码错误将会登录失败，如下：

```
Input operation:5
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====

Input operation:3
Please enter User Name:kagami
Please enter Password:123
-----Incorrect user name or password-----
```

注意：本平台暂无找回密码功能，请各位用户自行记住自己的账号、密码，平台不对任何用户本人忘记账号或密码造成的损失进行弥补。

1. 买家模式

用户在用户菜单输入“1”进行买家模式。

```
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====

Input operation:1
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====
```

1) 查看商品

用户在买家菜单输入“1”后可查看当前在售商品，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:1
=====
commodityID  commodityName  price  addedDate  sellerID
M002        paper          1.2    2022-03-01  U001
M003        cup            15.2   2022-03-01  U002
=====
```

2) 购买商品

用户在买家菜单输入“2”后可购买当前在售商品。正确购买如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:2
Please enter a Commodity ID:M001
Please enter the number you want:10

Trade Reminding!
Trade Time:2022-30-10
Trade Unit Price:15.0
Trade Quantity:10
Transaction status : The success of the transaction !
Your Balance:850.0
=====
```

买家通过输入商品 ID 来购买商品，当输入商品 ID 不存在或已下架时无法购买，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:2
Please enter a Commodity ID:M001
Could not find the item you want!
```

当输入购买数量超过商品数量时购买失败，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:2
Please enter a Commodity ID:M002
Please enter the number you want:1000000
Insufficient number of commodities!
```

当余额不足以支付购买时，购买失败，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:2
Please enter a Commodity ID:M003
Please enter the number you want:1
Insufficient balance! Purchase of failed!
```

可选择在用户菜单进入个人信息管理模式进行充值。

注意：无法购买自己发布的商品，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:2
Please enter a Commodity ID:M002
Unable to purchase your own commodities!
```

3) 搜索商品

用户在买家菜单输入“3”后可搜索当前在售商品。

买家通过输入商品名称来搜索商品，当有商品符合时：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:3
Please enter a Commodity Name:paper

commodityID  commodityName  price  addedDate  sellerID
M002         paper         1.2    2022-03-01  U001
```

没有商品符合时：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:3
Please enter a Commodity Name:papaer

=====
Can't find the Commodity Name you want! Return to the menu!
=====
```

4) 查看历史订单

用户在买家菜单输入“4”后可查看自己关于自己购买商品的历史订单。

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:4

orderID  commodityID  unitPrice  number  date  sellerID
T004     M003         15.2       1       2022-03-01  U002
```

没有任何购买订单时：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:4

=====
You have not been purchased, no orders! Return to the menu!
=====
```

5) 查看商品详细信息

用户在买家菜单输入“5”后可查看商品详细信息。

买家输入想要查看详细信息商品 ID，当有符合的商品时：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:5
Please enter the item ID that you want to view :M002

commodityID:M002
commodityName:paper
price:1.2
addedDate:2022-03-01
description:paper
sellerID:U001
```

没有符合的商品时，商品 ID 不存在或商品已下架均无法查看详细信息：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:5
Please enter the item ID that you want to view :M001

=====
Can't find the Commodity ID you want! Return to the menu!
=====
```

6) 购物车

用户在买家菜单输入“6”后可进入购物车模式，如下：

```
=====
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:6
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====
```

a) 查看购物车

用户在购物车菜单输入“1”后可查看购物车，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:1

=====
commodityID  commodityName  price  number  sellerID  addedDate  state
M003         cup             15.2    1       U002      2022-03-01  onSale
=====
```

当购物车中无商品时出现提示，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:1

-----There is nothing in your shopping cart !-----
```

b) 将商品移入购物车

用户在购物车菜单输入“2”后可将商品移入购物车。

用户通过输入商品 ID 与商品数量将商品移入购物车，成功时如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:2
Please enter the Commodity ID you want move into the shopping cart :M003
Please enter the number you want :1
Successfully !
```

不可将自己的商品移入购物车，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:2
Please enter the Commodity ID you want move into the shopping cart :M002
Unable to purchase your own commodities!
```

当商品 ID 不存在或商品下架时移入购物车失败，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:2
Please enter the Commodity ID you want move into the shopping cart :M005
Could not find the item you want!
```

当移入购物车的商品数量大于实际商品数量时：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:2
Please enter the Commodity ID you want move into the shopping cart :M003
Please enter the number you want :100
Insufficient number of commodities!
```

注：移入购物车的商品如果商品 ID 相同会被合为一项。

c) 将商品移出购物车

用户在购物车菜单输入“3”后可将商品移出购物车。

用户通过输入商品 ID 将商品移出购物车，当有商品 ID 符合时：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:3
Please enter the Commodity ID you want remove the shopping cart :M002
Successfully!
```

没有商品 ID 符合时：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:3
Please enter the Commodity ID you want remove the shopping cart :M005
Can't find the Commodity ID you want remove the shopping cart!
```

d) 清空购物车

用户在购物车菜单输入“4”后可将清空购物车。

成功清空时，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:4
Successfully!
```

当余额不足时清空失败，如下：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:4
Insufficient balance!
```

当商品实际数量小于购物车商品数量时，清空失败：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:4
Insufficient number of commodity whose Commodity ID is M002
```

当购物车中有商品下架导致无法购买时，清空失败：

```
=====
1.View shopping cart 2.Move into shopping cart 3.Remove shopping cart 4.Empty shopping cart 5.Return to the main menu
=====

Input operation:4
There're commodities that you can't purchase in your shopping cart!
```

7) 返回用户主菜单

用户在买家菜单输入“7”后可返回用户主菜单。

```
1.View onsale commodities 2.Purchase commodities 3.Search the commodities 4.View order history 5.View commodity details 6.Shopping cart 7.Return to the main menu
=====

Input operation:7
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====
```

2. 卖家模式

用户在用户菜单输入“1”进行买家模式。

```
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====

Input operation:2
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====
```

1) 发布商品

用户在卖家菜单输入“1”后可发布商品。成功发布商品如下：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:1
Please enter Commodity Name:wood
Please enter Commodity UnitPrice:150
Please enter Commodity Number:10
Please enter Commodity Description:normal

Verify that the published commodity information is correct!

Commodity Name:wood
Commodity UnitPrice:150.0
Commodity Number:10
Commodity Description:normal

Are you sure to update the commodity?(y/n) y
Update the commodity successfully!
```

商品名称为仅可由英文构成且不超过 20 个字符:

Please enter Commodity Name:paper1
Contains illegal characters! Commodity Name include only English letters!

Please re-enter: ppaper
Commodity Name are not allowed to be longer than 20 characters!

商品价格只为整数或一位小数:

```
Please enter Commodity UnitPrice:15.23
You need the exact price to one decimal or prices that are not allowed!
```

商品数量仅可为正整数:

Please enter Commodity Number:10.3
Numbers that are not allowed!

```
Please re-enter:-5
Numbers that are not allowed!
```

商品描述不超过 200 个英文字符。

为保证操作的正确性，在发布前会对商品信息进行确认，输入“y”表示确认发布，输入“n”表示取消发布。

```
Verify that the published commodity information is correct!

Commodity Name:paped
Commodity UnitPrice:15.0
Commodity Number:10
Commodity Description:hhh

Are you sure to update the commodity?(y/n) n
Cancel your update!
```

2) 查看发布商品

用户在卖家菜单输入“2”后可查看发布商品，如下：

```

1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====
Input operation:2

commodityID  commodityName  price  number  addedDate  state
M001        banana        15.0   10      2022-03-01  remove
M002        paper         1.2    44      2022-03-01  onSale

```

当没有发布商品时，如下：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:2

=====
You have not updated the commodities! Return to the menu!
=====
```

3) 修改商品信息

用户在卖家菜单输入“3”后可修改商品信息，可修改的信息为商品价格与商品

描述。

用户通过输入商品 ID 来修改商品信息，当商品 ID 不为自己发布的商品 ID 时不可修改商品信息。

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:3
Please enter the Commodity ID you want to modify: M003
This is not your published commodity! Cannot modify the information!
```

为保证操作的正确性，在修改商品信息前会对商品信息进行确认，输入"y"表示确认修改，输入"n"表示取消修改。

a) 价格

修改的价格需为正整数。

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:3
Please enter the Commodity ID you want to modify: M001
Please input the properties of the commodities you want to update(1.UnitPrice 2.Description):1
Please enter the UnitPrice you want to update: 15.2
Verify the modified information is correct!

commodityID:M001
commodityName:banana
price:15.2
description:bananaice

Confirm to change?(y/n)y
Update successfully!
```

b) 描述

修改的描述不可多于 200 个英文字符。

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:3
Please enter the Commodity ID you want to modify: M002
Please input the properties of the commodities you want to update(1.UnitPrice 2.Description):2
Please enter the Description you want to update:hjh
Verify the modified information is correct!

commodityID:M001
commodityName:banana
price:15.2
description:hjh

Confirm to change?(y/n)n
Cancel update!
```

4) 下架商品

用户在卖家菜单输入“4”后可下架商品。

用户通过输入商品 ID 来下架商品。

为保证操作的正确性，在修改商品信息前会对商品信息进行确认，输入"y"表示确认修改，输入"n"表示取消修改。

输入"y"下架成功，如下：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:4
Please enter the Commodity ID you want to remove:M002
Confirm that you want to remove this commodity?

commodityID    commodityName    price    addedDate    number    sellerID    state
M002           paper           1.2      2022-03-01   44       U001       onSale

Your option(y/n):y
Remove successfully!
```

输入“n”取消下架，如下：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:4
Please enter the Commodity ID you want to remove:M001
Confirm that you want to remove this commodity?

commodityID  commodityName  price  addedDate  number  sellerID  state
M001         banana        15.2   2022-03-01  10      U001      remove

Your option(y/n):n
Cancel remove!
```

当输入的商品 ID 不是用户发布的商品时，下架失败：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:4
Please enter the Commodity ID you want to remove:M003
This is not your published commodity! Cannot remove it!
```

5) 查看历史订单

用户在卖家菜单输入“5”后可查看关于出售的历史订单。

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:5

orderID  commodityID  unitPrice  number  date  buyerID
T001     M001         15.0      10      2022-03-01  U002
T002     M002         1.2       45      2022-03-01  U002
T003     M001         15.0      10      2022-03-01  U002
T006     M002         1.2       1       2022-03-01  U002
T008     M002         1.2       5       2022-03-01  U002
T009     M002         1.2       5       2022-03-01  U002
```

没有订单时如下：

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:5

=====
You do not already have an order! Return to the menu!
=====
```

6) 返回用户主界面

用户在卖家菜单输入“6”后可返回用户主菜单。

```
=====
1.Update commodities 2.View commodities 3.Modify commodities information 4.Remove commodities 5.Check order history 6.Return to the main menu
=====

Input operation:6
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====
```

3. 个人信息管理

用户在用户菜单输入“3”进入个人信息管理。

1) 查看信息

用户在个人信息管理菜单输入“1”查看个人信息。


```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:1

username:user
phonenumber:12345678
address:nanjing
balance:85
```

2) 修改信息

用户在个人信息管理菜单输入“2” 修改个人信息。

输入“1”修改用户名； 输入“2”修改联系方式； 输入“3”修改地址；

输入“4”修改密码。

a) 修改用户名

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:2
Select the modified properties(1.User Name 2.PhoneNumber 3.Address 4.Password):1
Please enter the modified User Name:user
Update successfully!
```

用户名要求不超过 10 个字符且仅由英文构成，用户名不可与已有用户名重复，否则将导致修改失败。

b) 修改联系方式

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:2
Select the modified properties(1.User Name 2.PhoneNumber 3.Address 4.Password):2
Please enter the modified TelephoneNumber:123456789
Update successfully!
```

联系方式不可超过 20 个字符且仅可由数字构成，否则将修改失败。

c) 修改地址

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:2
Select the modified properties(1.User Name 2.PhoneNumber 3.Address 4.Password):3
Please enter the modified Address:nanjing
Update successfully!
```

地址不可超过 40 个字符且仅可由英文构成，否则将修改失败。

d) 修改密码

密码不可超过 20 个字符，且仅可由小写英文字母和数字构成，否则将修改失败。

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:2
Select the modified properties(1.User Name 2.PhoneNumber 3.Address 4.Password):4
Please enter the modified Password:123456
Update successfully!
```

- 3) 充值
用户在个人信息管理菜单输入“3” 充值。

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:3
Please enter the money you want to recharge:100
Recharge successfully!
```

充值金额需为正整数或一位小数，否则充值失败，如下：

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:3
Please enter the money you want to recharge:100.56
Illegal Input!Recharge amount must be a decimal number !
```

- 4) 返回用户主菜单
用户在个人信息管理菜单输入“4” 返回用户主菜单。

```
=====
1.View Personal Information 2.Update Personal Information 3.Recharge 4.Return to the main menu
=====

Input operator:4
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====
```

4. 留言功能
用户在用户菜单输入“4”进入留言功能

```
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====

Input operation:4
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====
```

- 1) 发送信息
用户在留言功能菜单输入“1” 发送信息。
用户通过输入用户 ID 来给其他用户发送信息, 信息不可超过 200 个英文字符,
如下:

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:1
Enter the User ID you want to send a message:U002
Enter the content you want to send:HELLO
Successfully!
```

当用户 ID 不存在或被封禁时，发送消息失败，如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:1
Enter the User ID you want to send a message:U005
Can't find the User ID you want to send a message!
```

用户不可向自己发送信息，如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:1
Enter the User ID you want to send a message:U001
Can't send message to yourself!
```

2) 查看其他用户发送给自己的信息

用户在留言功能菜单输入“2” 查看其他用户发送给自己的信息。

用户首先选择“1”或“2”决定查看所有用户发送的信息或只查看特定用户发送的信息。

查看所有用户发送的信息如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:2
Whose messages do you want to view?(1.All people 2.Someone)1

seller  receiver  date                content
U002    U001    2022-02-31-23:45:32  hello
U002    U001    2022-03-01-00:10:14  ohhhh
```

只查看特定用户发送的信息，用户通过输入用户 ID 查看该用户发送的信息，如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:2
Whose messages do you want to view?(1.All people 2.Someone)2
Enter the User ID you want to view the messages:U002

seller  receiver  date                content
U002    U001    2022-02-31-23:45:32  hello
U002    U001    2022-03-01-00:10:14  ohhhh
```

当输入用户 ID 未向用户发送信息时，如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:2
Whose messages do you want to view?(1.All people 2.Someone)2
Enter the User ID you want to view the messages:U003

You have no messages!
```

3) 查看自己与其他用户的交流信息

用户在留言功能菜单输入“1” 查看自己与其他用户的交流信息。

用户首先选择“1”或“2”决定查看所有用户与自己的交流信息或只查看特定用户与自己的交流信息。

查看所有用户与自己的交流信息如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:3
Whose messages do you want to view?(1.All people 2.Someone)1

seller  receiver  date                content
U002    U001    2022-02-31-23:45:32  hello
U001    U002    2022-03-01-00:07:15  HELLO WORLD
U002    U001    2022-03-01-00:10:14  ohhhh
U001    U002    2022-03-01-06:23:16  HELLO
```

只查看特定用户与自己的交流信息，用户通过输入用户 ID 查看该用户与自己的交流信息，如下：

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:3
Whose messages do you want to view?(1.All people 2.Someone)2
Enter the User ID you want to view the messages:U002

seller  receiver  date                content
U002    U001    2022-02-31-23:45:32  hello
U001    U002    2022-03-01-00:07:15  HELLO WORLD
U002    U001    2022-03-01-00:10:14  ohhhh
U001    U002    2022-03-01-06:23:16  HELLO
```

当输入用户 ID 与自己没有交流信息时，如下

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:3
Whose messages do you want to view?(1.All people 2.Someone)2
Enter the User ID you want to view the messages:U001

You have no messages!
```

4) 返回用户主菜单

用户在留言功能菜单输入“4” 返回用户主菜单。

```
=====
1.Send messages 2.View messages by others 3.View messages from myself and others 4.Return to the main menu
=====

Input operation:4
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====
```

- 5. 注销
用户在用户菜单输入“5”注销登录，而后回到主菜单。

```
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====

Input operation:5
=====
1.Administrator login 2.User Registration 3.User Login 4.Exit
=====
```

- (四) 退出程序
用户在主菜单输入“4”退出程序。
- (五) 其他说明

- 1. 非法输入
本平台对于非法输入要求重新输入直至输入合法或直接返回到上一级菜单。
下面给出一个例子：

```
=====
1.I'm a buyer 2.I'm a seller 3.Personal information manager 4.Message 5.Exit
=====

Input operation:56
Illegal Input! Please re-enter:
```

- 此处仅“1”至“7”为合法输入，“56”为非法输入，没有进入到任何一步操作中，用户需要重新输入直至输入合法。
- 2. 开发者的话
本平台仍处于测试阶段，对于任何一位愿意参与测试的用户我们表示衷心的感谢，对于平台存在的部分问题，若给你造成了不便利，请多多包涵。若是发现了平台存在的问题，欢迎各位用户向我们反应，我们一定第一时间解决问题。

给个五星好评吧 zjgg