

User manuals

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I. Instructions for individual users

i. Basic functions

1. Select "Personal User" status

Launch the program, enter 1 on the main screen (below), select the individual user role type and the login screen will appear.

Hello, What is your role?

[1] Personal User

[2] Merchant User

[3] System User

[4] Exit

2. Registration

Enter 2 on the login screen (below), select the "Register" function and enter the user name (which must be the same as the user's registered user name with the merchant, usually a mobile phone number) and password.

Would you like to log in or register?

[1] Login

[2] Register

[3] Exit

(a) If the program outputs the character "Registration successful", the registration is successful.

Error alert: If the username has already been registered, a reminder will be output "Username already exists. \n registration failed".

3. Login

Enter 1 on the login screen (below), select the "Login" function, enter your username (which must be registered) and password.

Would you like to log in or register?

[1] Login

[2] Register

[3] Exit

If the program outputs the character "Login successful", the registration is successful and the user function selection screen will appear.

Error alert: Password is wrong \n Login failed: wrong password.

Password is wrong \n Login failed: Username does not exist.

4. Fill in the basic information

On the user function selection screen (below), enter 1 to access the basic function management screen.

What would you like to do?

[1] Basic functions

[2] Points Management

[3] Integral conversion

[4] Points Trading

[5] Funds management

[6] Exit

The basic function management screen appears as follows, enter 1, select "setInfo", enter your mobile phone number (11 digits), gender (male: male; female: female) and age (a number between 0 and 120) in order; afterwards the basic function management screen appears again, enter 4, save and exit.

1. setInfo
2. changeInfo
3. showInfo
4. Save and Quit

5. Search for basic information

In the basic function management screen (below), enter 3 and select "showInfo" to display the saved basic user information.

1. setInfo
2. changeInfo
3. showInfo
4. Save and Quit

6. Modify basic information

Basic function management screen (below), enter 2 and select "changeInfo" to enter the information modification screen.

1. setInfo
2. changeInfo
3. showInfo
4. Save and Quit

On the message modification screen (below), enter the number corresponding to the message to be modified, enter the new message, then enter 4, save and exit.

What would you like to change?

1. mobile_phone
2. sex
3. years
4. Exit

ii.Funds management

1. Check your wallet balance

On the user function selection screen (below), enter 5 to access the "Funds Management" screen.

What would you like to do?

- [1] Basic functions
- [2] Points Management
- [3] Integral conversion
- [4] Points Trading
- [5] Funds management
- [6] Exit

On the 'Money Management' screen (below), enter 1 and select 'getMoney' to display the current user wallet cash balance

1. getMoney
2. addMoney
3. reduceMoney
4. Save and Quit

2. Recharge

In the "Funds Management" screen (below), enter 2, select "addMoney" and enter the amount of cash (in numbers) to be topped up, after the successful top-up, the balance of the user's wallet will be displayed.

1. getMoney
2. addMoney
3. reduceMoney
4. Save and Quit

3. Withdrawals

On the "Money Management" screen (below), enter 3, select "reduceMoney" and enter the amount of cash to be withdrawn (a number, which must be less than or equal to the current balance value).

1. getMoney
2. addMoney
3. reduceMoney
4. Save and Quit

Error alert: NO ENOUGH MONEY!: Enter a number greater than the current balance value.

iii.Points Management

1. Check your points

In the user function selection screen (below), enter 2 to enter the "Points Management" screen.

What would you like to do?

- [1] Basic functions
- [2] Points Management
- [3] Integral conversion
- [4] Points Trading
- [5] Funds management
- [6] Exit

In the "Points Management" screen (below), enter 1 and select "display" to show the details of the points held by the user (merchant, number of points, expiry date)

1. display
2. addMerchant
3. deleteMerchant
4. Save and Quit

2. Affiliated Merchants

In the "Points Management" screen (below), enter 2, select "addMerchant", then enter the merchant account to be associated; if "Add successful. If "Add successful." is output, the link is successful and the points are automatically imported. Finally, enter 4, save and exit.

1. display

2. addMerchant
3. deleteMerchant
4. Save and Quit

Error alert: No such merchant id: the merchant account entered does not exist/the merchant's user points table does not exist.

This merchant id no Point for the user: the individual user is not present in the user points table entered for the merchant.

3. Delete Merchant

In the "Points Management" screen (below), enter 3, select "deleteMerchant" and enter the merchant account to be deleted; if the output is "delete successful. If the output is "delete successful.", then the deletion is successful and the associated merchant points are automatically deleted. Finally, enter 4 to save and exit.

1. display
2. addMerchant
3. deleteMerchant
4. Save and Quit

Error alert: No such merchant id: The merchant account entered is not associated with this user.

iv.Points conversion

1. Convert points

Step 1: In the user function selection screen (below), enter 3 to enter the "Points Conversion" screen.

What would you like to do?

- [1] Basic functions
- [2] Points Management
- [3] Integral conversion
- [4] Points Trading
- [5] Funds management
- [6] Exit

Step 2: In the "Points Conversion" screen, enter 1 to enter the application process for points conversion, a reminder will appear "Input in_merchant_id,out_merchant_id,Number of points: ", enter in order (separated by spaces): in_merchant_id, out_merchant_id, number of points converted (number, less than or equal to the number of existing points) (e.g. 004 003 1000).

1. apply_points_transfer
2. show_u2u_Finish_Order
3. show_u2u_Payed_Order
4. Save and Quit

Step 3: The system will automatically calculate the quantity of 1000 points of company 004 into 2000 points of company 003, and calculate the handling fee (5%), and finally output the order information.

"Order ID: 1590654579_u2u From: 18811110004, 003, 1000 Points To: 18811110004, 004, 2000 Points fee: 1.5"

The user needs to reconfirm the points conversion, "Check order: y or n", by entering the characters "y" (to confirm the order) or "n" (to cancel the order).

Step 4: After the user confirms the order, the system automatically displays the user's current balance and reminds the user to pay the handling fee, "check pay 1.500000 : y or n", the user needs to enter the character "y" (to confirm the payment) or "After confirming the payment, the user will wait for the system to process the payment and the conversion will be completed only after the system has processed the payment. Finally, enter 4, save and exit.

Note: After a user has cancelled a payment, a new application is required to convert the points again (step2).

2. Enquire about incomplete points conversion orders

On the "Points Conversion" screen, enter 2 to check for incomplete points conversion orders: orders that have been paid for by the user and are waiting to be processed by the system. If "Empty" is alerted, then there are no orders.

1. apply_points_transfer
2. show_u2u_Finish_Order
3. show_u2u_Payed_Order
4. Save and Quit

3. Check completed points conversion orders

On the "Points Conversion" screen, enter 3 to check for completed points conversion orders: orders that have been paid for by the user and processed by the system. If "Empty" is alerted, then there are no orders.

1. apply_points_transfer
2. show_u2u_Finish_Order
3. show_u2u_Payed_Order
4. Save and Quit

v.Points Trading

1. Buy Points Merchandise

Step 1: In the user function selection screen (below), enter 4 to enter the "Points Trading" screen.

What would you like to do?

- [1] Basic functions
- [2] Points Management
- [3] Points conversion
- [4] Points Trading
- [5] Funds management
- [6] Exit

Step 2: A reminder "Input merchant_id:" appears, enter the merchant ID to be queried: (for example: 001); the program will display all the merchandise on the shelves under the merchant, as follows.

Produce ID:2 Point:1000 Price:10 Quantity:1000 ifListed:1

Produce ID:3 Point:1000 Price:8 Quantity:10 ifListed:1

Produce ID:4 Point:3000 Price:23 Quantity:1000 ifListed:1

Produce ID:5 Point:2000 Price:19 Quantity:1000 ifListed:1

Step 2: A reminder will appear "Input product_id,Number of products you want:", enter the Produce ID and quantity to be purchased in order (not to exceed the Quantity of the product in stock), the system will print the order information as follows

Order ID: 1590674988_m2u Seller:001 Product ID:3 Price8 Quantity:2 Buyer:0001 Status:1

Step 3: To confirm the order, enter the characters "y" (to confirm the order) or "n" (to cancel the order) after "check order: y or n".

Step 4: After the user confirms the order, the system automatically displays the user's current balance and reminds the user of the payment amount, "check pay 16.000000 : y or n", the user needs to enter the character "y" (confirm payment) or "n" (cancel payment); after confirming the payment, the purchase is successful and the number of points in the user's corresponding merchant account will automatically increase and the balance will decrease.

II. Instructions for merchant use

i. Basic functions

1. Select "merchant user" status

Launch the program, enter 2 on the main screen (below), select the **merchant** user role type and the login screen will appear.

Hello, What is your role?

[1] Personal User

[2] Merchant User

[3] System User

[4] Exit

2. Registration

Refer to "Registration" for individual users.

3. Login

Refer to "Login" for individual users.

4. Fill in the basic information

Refer to "Fill in basic information" for individual users.

5. Search for basic information

Refer to "Access to basic information" for individual users.

6. Modify basic information

Refer to "Change of basic information" for individual users.

ii.Funds management

1. Check your wallet balance

Refer to "Check Wallet Balance" for individual users.

2. Recharge

Reference to "top-up" for individual users.

3. Withdrawals

Refer to "Withdrawal" for individual users.

iii.Points Management

1. Set the price of points

On the user function selection screen (below), enter 4 to access the "Points Management" screen.

What would you like to do?

[1] Basic functions

- [2] User management
- [3] Commodity Management
- [4] Points Management
- [5] Funds management
- [6] Exit

In the "Points Management" screen, enter 2, select "set_point_price", and according to the prompt "Input a price:", enter the points (number, unit: yuan/100 points), output "set price successful" to indicate successful setting. Enter 2 again to exit.

- 1. set_point_price
- 2. Quit

iv.Merchandise Management

1. Newly built commodities

In the user function selection screen (below), enter 3 to access the "Product Management" screen.

What would you like to do?

- [1] Basic functions
- [2] User management
- [3] Commodity Management
- [4] Points Management
- [5] Funds management
- [6] Exit

In the "Product Management" screen, enter 1, select "add_a_product", and according to the prompt "Please input:point,_price,_ quantity, _ifListed(1/0)", enter the number of points sold, the price of the product (number), the number of products available for sale, whether or not on the shelf (1: on the shelf; 0: not on the shelf).

- 1. add_a_product
- 2. show_all_product
- 3. change a Product
- 4. getProductSize
- 5. Quit

2. Modify product information (including items on/off the shelf)

In the "Product Management" screen, enter 3 and select "change a Product".

- 1. add_a_product
- 2. show_all_product
- 3. change a Product
- 4. getProductSize
- 5. Quit

Follow the prompts below to select the product attributes that need to be modified and follow the prompts to enter the appropriate product attributes.

What would you like to change?

- 1. if listed(1/0)
- 2. Price
- 3. Quantity
- 4. Point

5. Save and Quit

v. User Management

1. Importing points data for new users

On the user function selection screen (below), enter 2 to access the "User Management" screen.

What would you like to do?

- [1] Basic functions
- [2] User management
- [3] Commodity Management
- [4] Points Management
- [5] Funds management
- [6] Exit

In the "User Management" screen, enter 1, select "add_a_new_user_point" and follow the prompt "Input a new User Name, the number of points, the expired data of points", enter (separated by spaces) the new user name of the individual user, the number of points to be imported and the expiry date (in the format "2020-12-31").

- 1. add_a_new_user_point
- 2. show_a_user_now_point
- 3. Quit

2. Check the number of points available to the user

In the "User Management" screen, enter 2, select "show_a_user_now_point" and follow the prompt "Input existed User id: ", the user ID of the individual user to be queried, will display the number of points the user currently has at that merchant.

- 1. add_a_new_user_point
- 2. show_a_user_now_point
- 3. Quit

III. Instructions for using the platform

i. Basic functions

1. Select "System User" status

Note: The system user also becomes the platform user and is the administrator of the system.

Launch the program, enter 3 on the main screen (below), select the system user role type and the login screen will appear.

Hello, What is your role?

- [1] Personal User
- [2] Merchant User
- [3] System User
- [4] Exit

2. Login

Refer to "Login" for individual users.

ii.Trading

1. Execute points conversion transactions

Step1: In the system function selection screen (below), enter 1 to enter the "Trading" process.

What would you like to do?

- [1] Trading
- [2] Merchant Management
- [3] User management
- [4] Order Management
- [5] Merchandise Management
- [6] Exit

Step2: The system will automatically read all pending orders and print them to the screen, the user is prompted with "Allow :1590654358_u2u ? y or n" followed by the characters "y" (agree to execute the order) or "n" (cancel the order).

Order ID: 1590654358_u2u From: 003, 1000 Points To: 004, 2000 Points

Step3: After agreeing to execute the order, the system will automatically execute the order and output the result of the change in merchant funds.

003 reduce money:28.5

004 add money:27

iii.Merchant Management

1. Check Merchant Information

In the system function selection screen (below), enter 2 to enter the "Merchant Management" screen.

What would you like to do?

- [1] Trading
- [2] Merchant Management
- [3] User management
- [4] Order Management
- [5] Merchandise Management
- [6] Exit

In the Merchant Management screen (below), enter 1, select "show_a_MerchantInfo" and at the prompt "Input existed Merchant id: ", enter the Merchant ID you wish to query and the system will display its basic information.

- 1. show_a_MerchantInfo
- 2. show_all_Merchant_Name
- 3. Quit

2. Querying merchant accounts and counting totals.

In the Merchant Management screen (below), enter 2 and select "show_all_Merchant_Name". The system will automatically display all registered merchant IDs and usernames, as well as the total number of merchants.

- 1. show_a_MerchantInfo
- 2. show_all_Merchant_Name

3. Quit

iv. User Management

1. Search for user information

In the system function selection screen (below), enter 3 to access the "User Management" screen.

What would you like to do?

- [1] Trading
- [2] Merchant Management
- [3] User management
- [4] Order Management
- [5] Merchandise Management
- [6] Exit

In the "User Management" screen (below), enter 1, select "show_a_user_info" and at the prompt "Input existed User id: ", enter the user ID to be queried and the system will display the basic information.

- 1. show_a_user_info
- 2. show_all_User_Name
- 3. show_a_user_all_point
- 4. Quit

2. Querying user accounts and counting totals.

In the "User Management" screen (below), enter 2 and select "show_all_User_Name". The system will automatically display all registered user IDs and user names, as well as the total number of users.

- 1. show_a_user_info
- 2. show_all_User_Name
- 3. show_a_user_all_point
- 4. Quit

3. Check user points details

In the "User Management" screen (below), enter 3, select "show_a_user_all_point" and at the prompt "Input existing User id: ", enter the user id to be queried and the system will display the number of points and expiry date for all accounts for that user.

- 1. show_a_user_info
- 2. show_all_User_Name
- 3. show_a_user_all_point
- 4. Quit

v. Order Management

1. Check for unfinished orders

In the system function selection screen (below), enter 4 to access the "Order Management" screen.

What would you like to do?

- [1] Trading
- [2] Merchant Management
- [3] User management
- [4] Order Management
- [5] Merchandise Management

[6] Exit

In the "Order Management" screen (below), enter 1 and the system will automatically display all orders that have been paid for by the user and not processed by the system for points conversion.

1. show_all_u2u_Payed_Order
2. show_all_u2u_Finish_Order
3. Quit

2. Check completed orders

In the "Order Management" screen (below), enter 2 and the system will automatically display all orders that have been paid for by the user and that have been successfully executed by the system for points conversion.

1. show_all_u2u_Payed_Order
2. show_all_u2u_Finish_Order
3. Quit

vi.Merchandise Management

1. Find product information

In the system function selection screen (below), enter 5 to access the "Product Management" screen.

What would you like to do?

- [1] Trading
- [2] Merchant Management
- [3] User management
- [4] Order Management
- [5] Merchandise Management
- [6] Exit

In the "Product Management" screen (below), enter 1 and after the prompt "Input existing Merchant id and its Product id:" enter the Merchant id and Product id of the product you want to check. The system will display the product details.

1. show_a_MerchantProduct
2. show_a_Merchant_all_Product
3. off_a_MerchantProduct
4. Save and Quit

2. Check all product information and product totals

In the Merchandise Management screen (below), enter 2 and after the prompt "Input existed Merchant id:" enter the merchant ID of the merchant you want to query and the system will display all the merchandise details for that merchant and show The system will display the details of all the merchant's products and the total number of items.

1. show_a_MerchantProduct
2. show_a_Merchant_all_Product
3. off_a_MerchantProduct
4. Save and Quit

3. Forced removal of items

In the "Product Management" screen (below), enter 3, and after the prompt "Input existing Merchant id and its Product id:" enter the Merchant id and Product id of the product to be removed from the shelf. The system will force the product to be removed from the shelf, ifList:0.

1. show_a_MerchantProduct
2. show_a_Merchant_all_Product
3. off_a_MerchantProduct
4. Save and Quit