

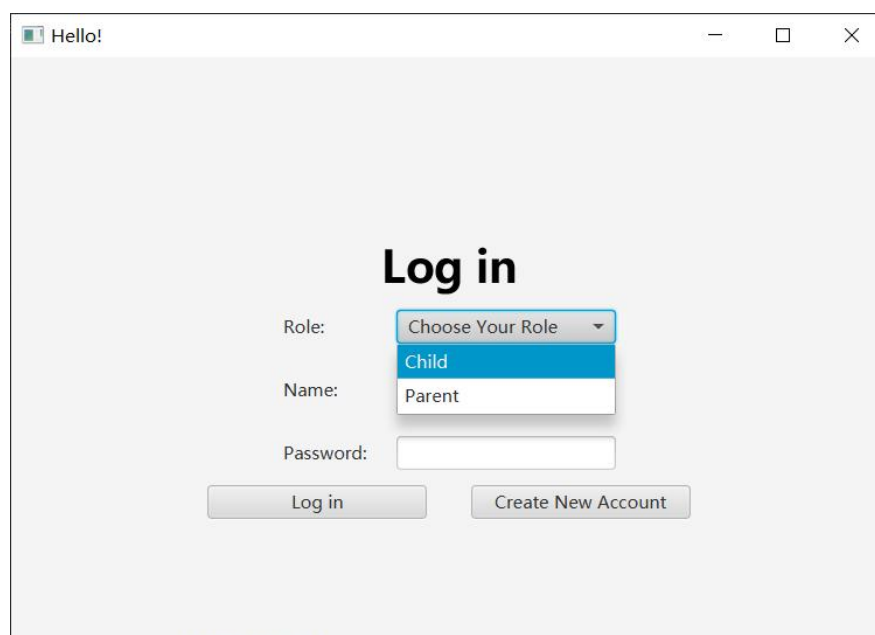
# User manual for virtual bank application

## Group66

Our virtual banking application consists of three main interfaces: Login, Child Account, and Parent Account. The login interface is common to all users. After the user selects the identity and successfully logs in, our application will display different pages and functions according to the user's identity. The followings are the instructions about how to use our virtual banking application.

## 1. Registration and Login

- ① Shown below is the first page of the application, the login page.
- ② Here you can click on "Create New Account" to register.



The screenshot shows a web browser window with the title 'Hello!'. The main heading is 'Log in'. Below the heading, there are three input fields: 'Role:', 'Name:', and 'Password:'. The 'Role:' field is a dropdown menu with 'Choose Your Role' as the selected option, and a blue highlight is visible over the 'Child' option. The 'Name:' field is a text input with 'Parent' entered. The 'Password:' field is a text input. Below the input fields, there are two buttons: 'Log in' and 'Create New Account'.

- ③ Shown below are registration page respectively for child and parent.
- ④ You need to select an identity and enter the user information that matches the format requirements.
- ⑤ The two passwords entered must be identical.

**Account Creation**

Password must be between five and nine characters long;  
contain only letters and digits(letters: a-z and A-Z, digits: 0-9);  
contain at least one letter and one digit;

Role: Child

Name: child1

Password: ••••••

Confirm Password: ••••••

Email: 111@example.com

Create Account Back

**Account Creation**

Password must be between five and nine characters long;  
contain only letters and digits(letters: a-z and A-Z, digits: 0-9);  
contain at least one letter and one digit;

Role: Parent

Name: parent1

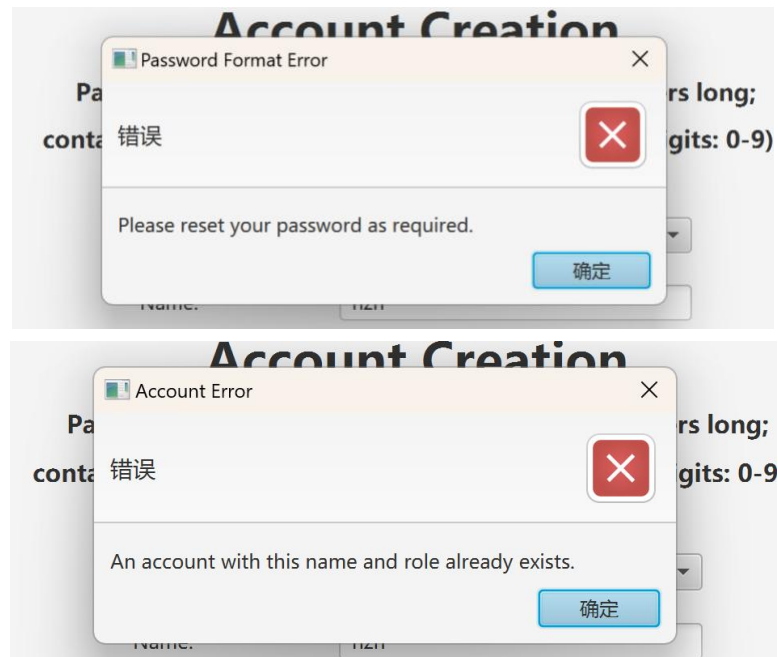
Password: ••••••

Confirm Password: ••••••

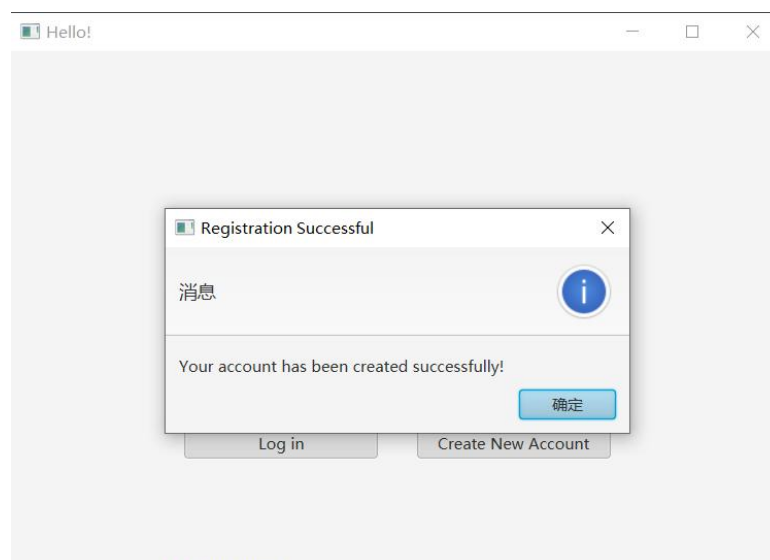
Email: 222@example.com

Create Account Back

⑥ User information that does not meet format requirements may result in the following pages. Modify your information.



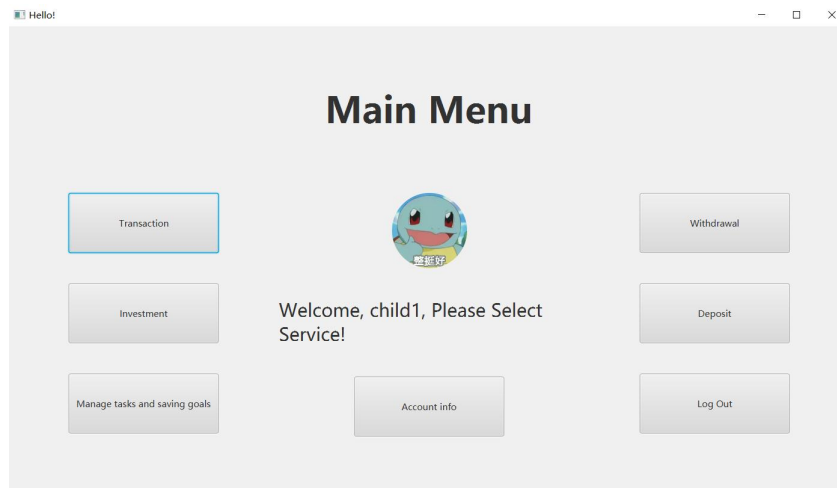
- ⑦ Shown below is the successful registration page.



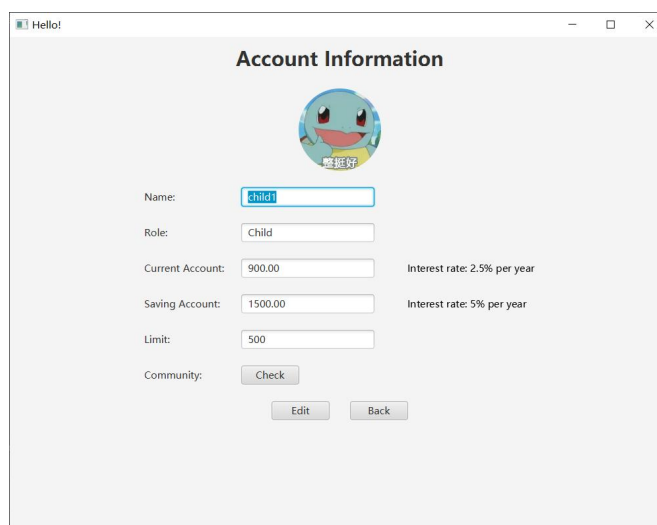
- ⑧ If you already have an account, please select an identity, enter your name and password, then click "Log in" to enter our virtual bank.

## 2. Children Account

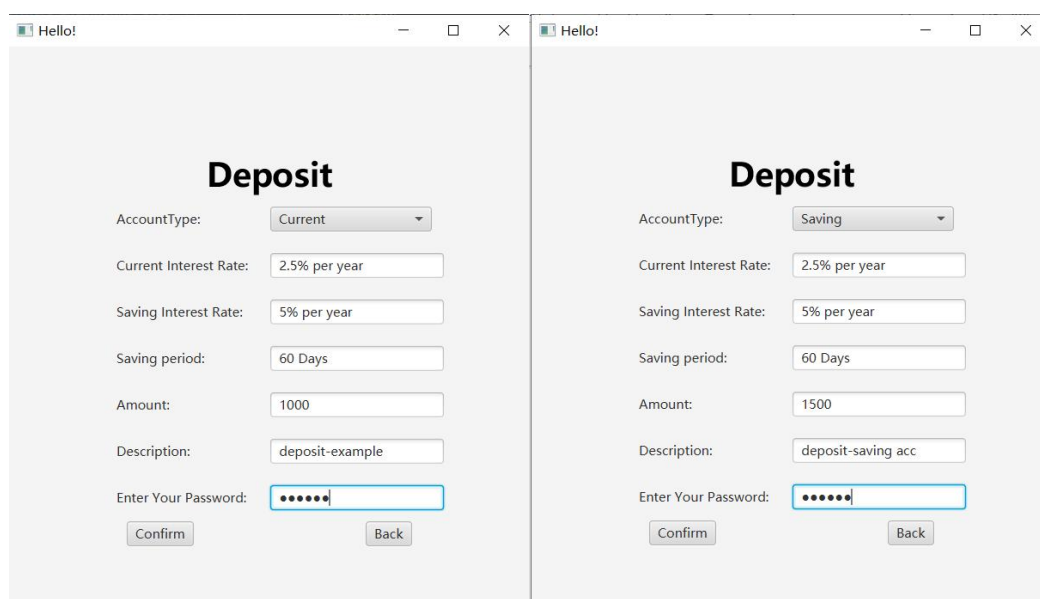
- ① Shown below is the main page for child account.



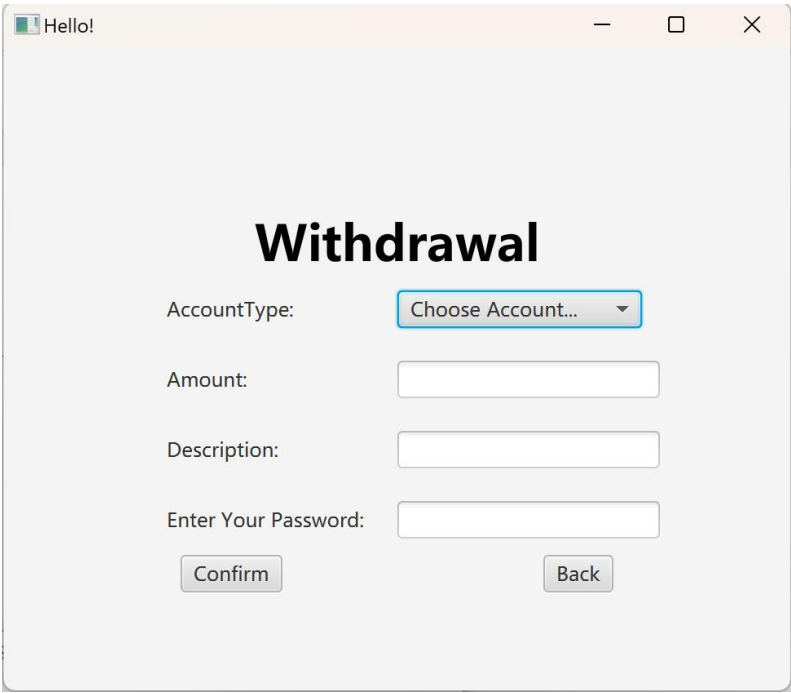
- ② Click on "Account info" to view or edit the account information.



- ③ Click "Deposit" to enter the deposit page.
- ④ Choose the account type, current or saving. Enter the amount and verify the password.

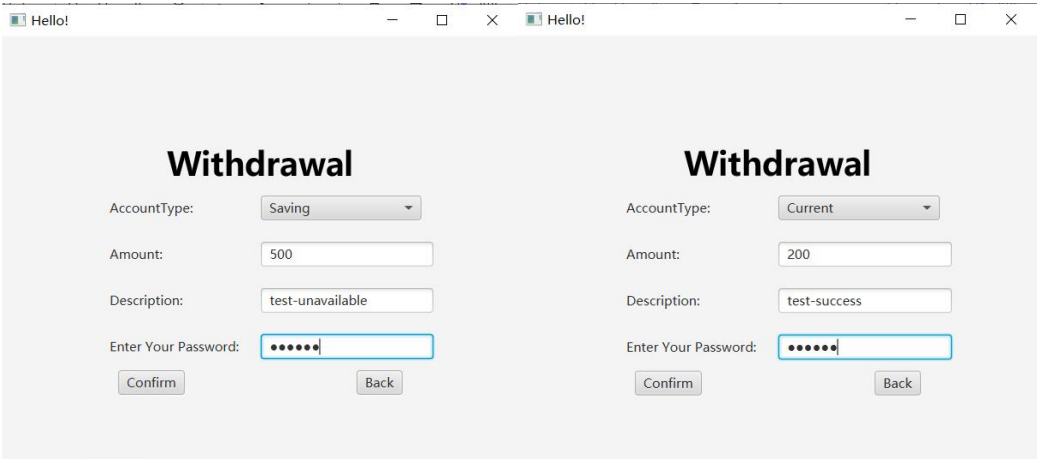


- ⑤ Go back to the home page and click on "Withdrawal" to go to the withdrawal page.



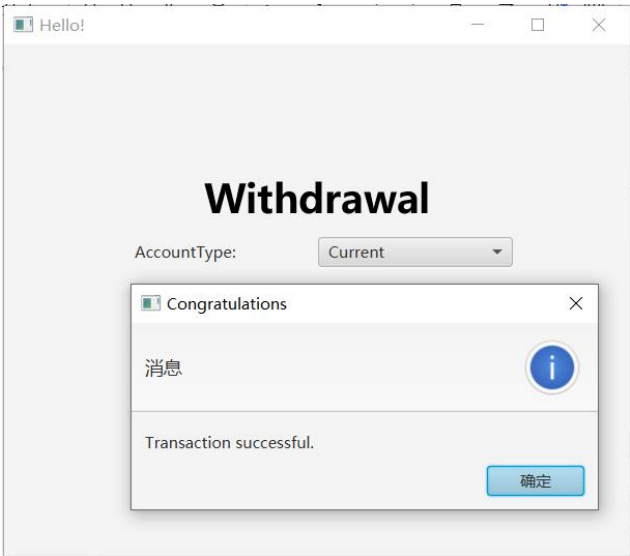
A screenshot of a web application window titled "Hello!". The main heading is "Withdrawal". Below it, there are four input fields: "AccountType:" with a dropdown menu showing "Choose Account...", "Amount:" with a text box, "Description:" with a text box, and "Enter Your Password:" with a text box. At the bottom, there are two buttons: "Confirm" and "Back".

- ⑥ You can choose which account to withdraw money from, current or saving.
- ⑦ Use your password to confirm how much money you want to withdraw.



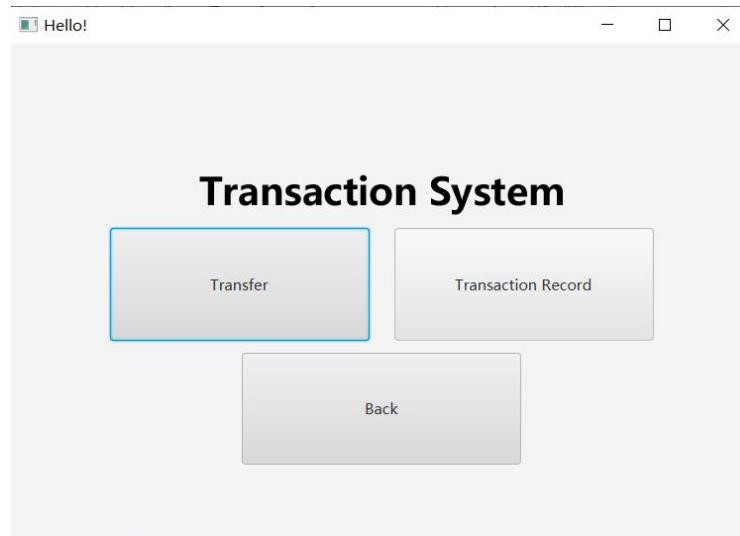
Two side-by-side screenshots of the "Withdrawal" form. The left form shows "AccountType:" set to "Saving", "Amount:" set to "500", "Description:" set to "test-unavailable", and "Enter Your Password:" with a masked password. The right form shows "AccountType:" set to "Current", "Amount:" set to "200", "Description:" set to "test-success", and "Enter Your Password:" with a masked password. Both forms have "Confirm" and "Back" buttons.

- ⑧ Shown below is the successful withdrawal page.

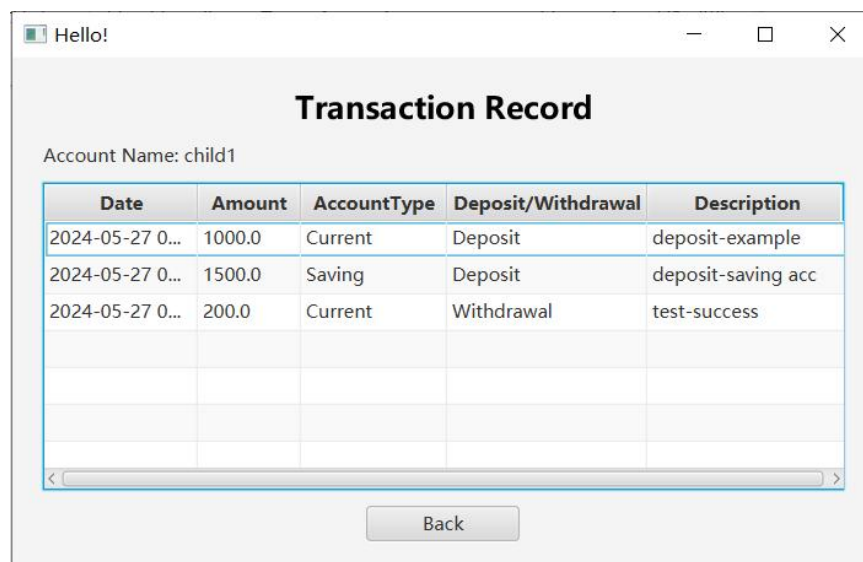


A screenshot of the "Withdrawal" form with "AccountType:" set to "Current". A "Congratulations" dialog box is overlaid on top. The dialog box has a title bar "Congratulations" and a close button. It contains a message "消息" (Message) and a blue information icon. Below the message, it says "Transaction successful." and has a blue button labeled "确定" (Confirm).

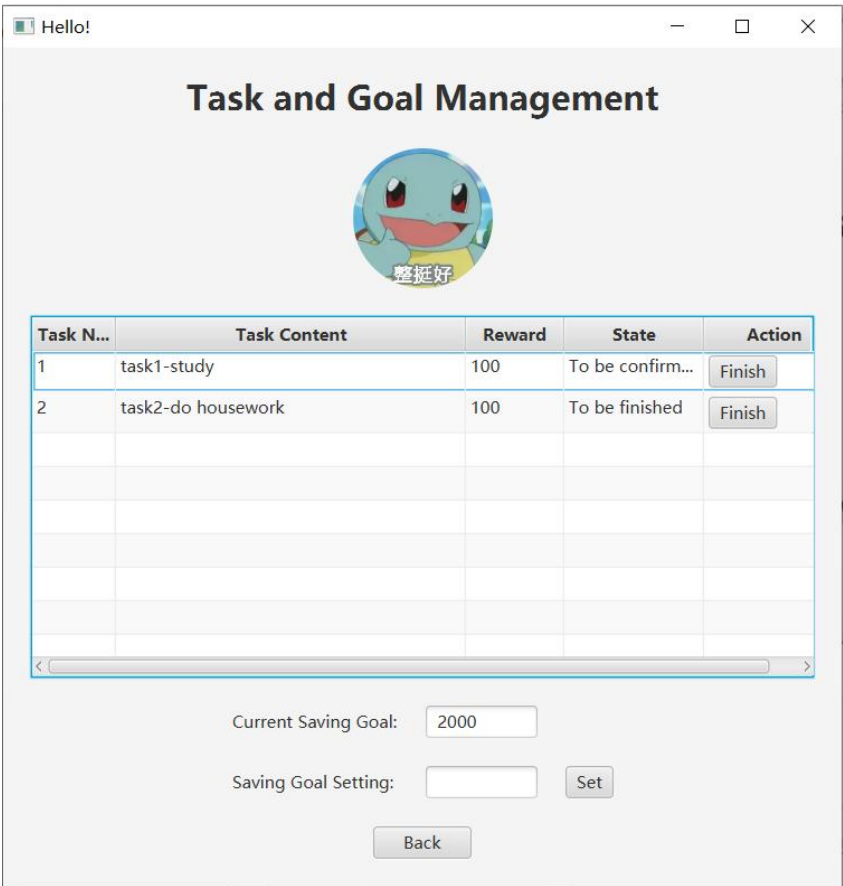
- ⑨ Go back to the home page and click on "Transaction" to go to the transaction page.
- ⑩ Here are two functions for you to choose, but "Transfer" is not yet completed.



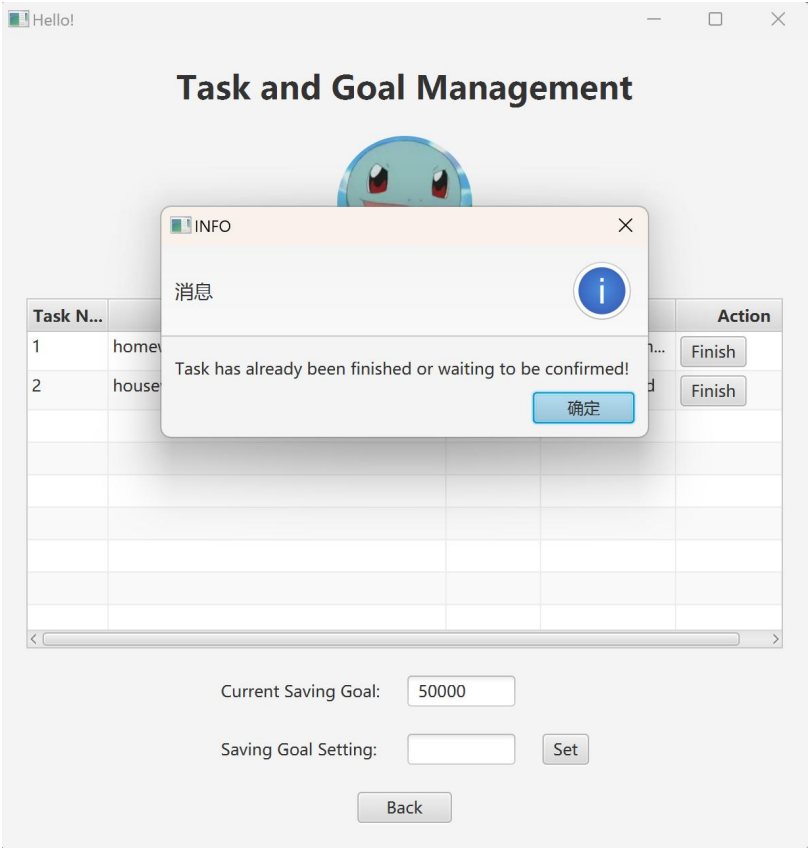
- ⑪ Click "Transaction History" to enter the query page.



- ⑫ Go back to the home page and click on "Manage tasks and saving goals" to go to the management page.
- ⑬ Here you can view the existing missions and their bonuses.
- ⑭ Click "Set" to set your saving goal.

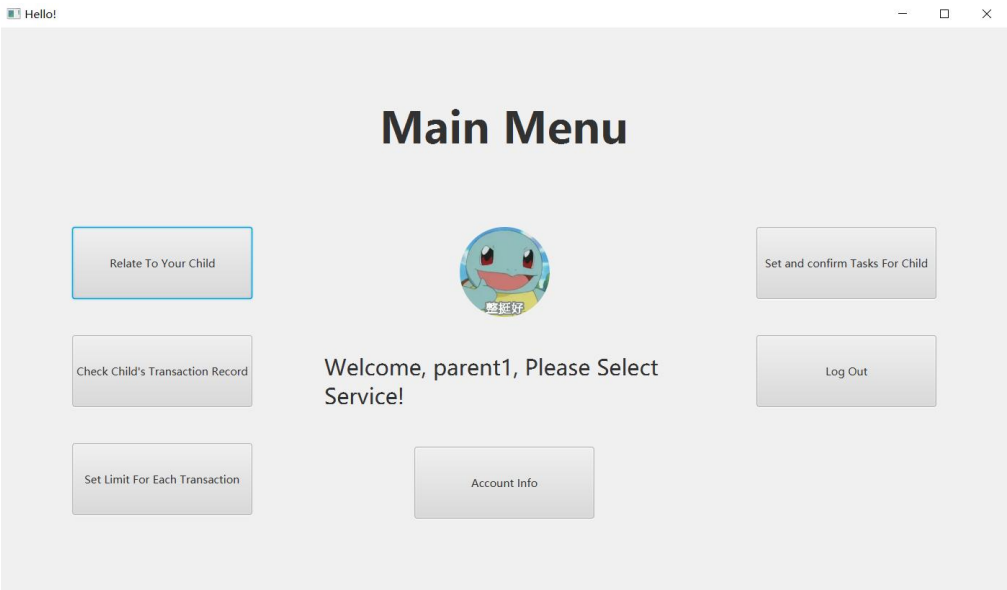


⑮ You can confirm that the task is complete by selecting "Finish". However, if your parents do not approve or it already been done, the following page alerts will appear.

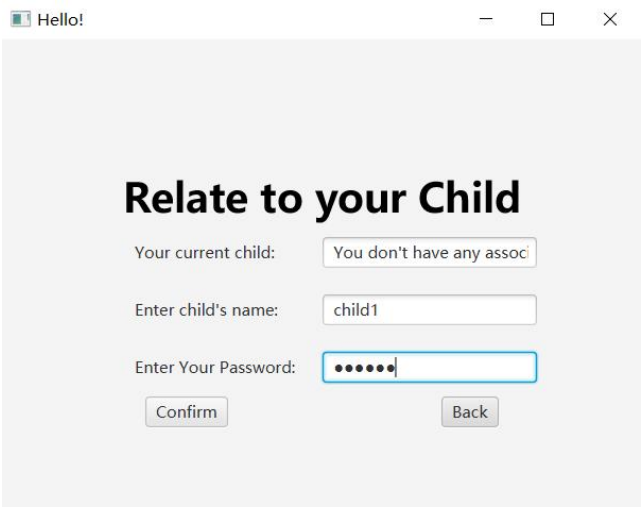


### 3. Parent Account

① Shown below is the main page for parent account.



② Click "Related To Your Child " to link your child's account, using your children’s name.



③ Shown below is the page that shows successful bound.






- ④ Go back to the home page and click the “Account Info” to information page.
- ⑤ You can edit your information.

Hello!

Account Information



Name:

parent1

Role:

Parent

Your current child:

child1

Interest rate: 2.5% per year

Child's Current Account:

800.00

Interest rate: 5% per year

Child's Saving Account:

1500.00

Child's Account Limit:

0.000000


Edit

Back

- ⑥ Go back to the home page and click the “Set and confirm Tasks For Child” to task setting page. You can confirm that your child have finished the task, and then give them the reward.

Hello!

Task and Goal Management



Child's Current Saving Goal:

50000

Task N...	Task Content	Reward	State	Action
1	homework	100	To be confirm...	Confirm
2	housework	200	To be finished	Confirm

Add New Task

Enter the task number you want to delete:

Delete

Back

- ⑦ Here you can also set new tasks and corresponding bonus to your children.

Hello!

# Set New task to your Child

Task Content:

task1-study

Reward:

100

Enter Your Password:

•••••

Confirm

Back

- ⑧ Go back to the home page and click the “Check Child’s Transaction Record” to query page.

- ⑨ Here you can view your child's transaction record.

Hello!

# Transaction Record

Child's Name: child1

Date	Amount	AccountType	Deposit/Withdrawal	Description
2024-05-27 0...	1000.0	Current	Deposit	deposit-example
2024-05-27 0...	1500.0	Saving	Deposit	deposit-saving acc
2024-05-27 0...	200.0	Current	Withdrawal	test-success

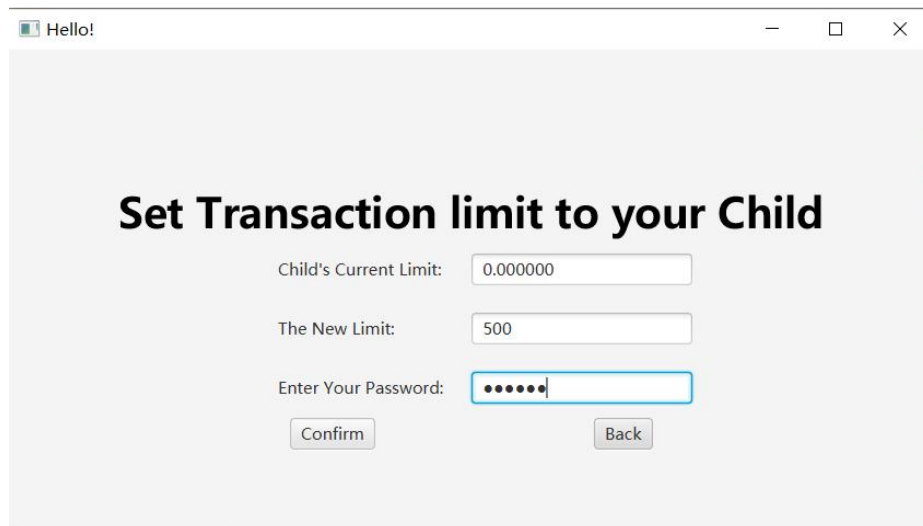
<

>

Back

- ⑩ Go back to the home page and click the “Set limit For Each Transaction” to limit setting page.

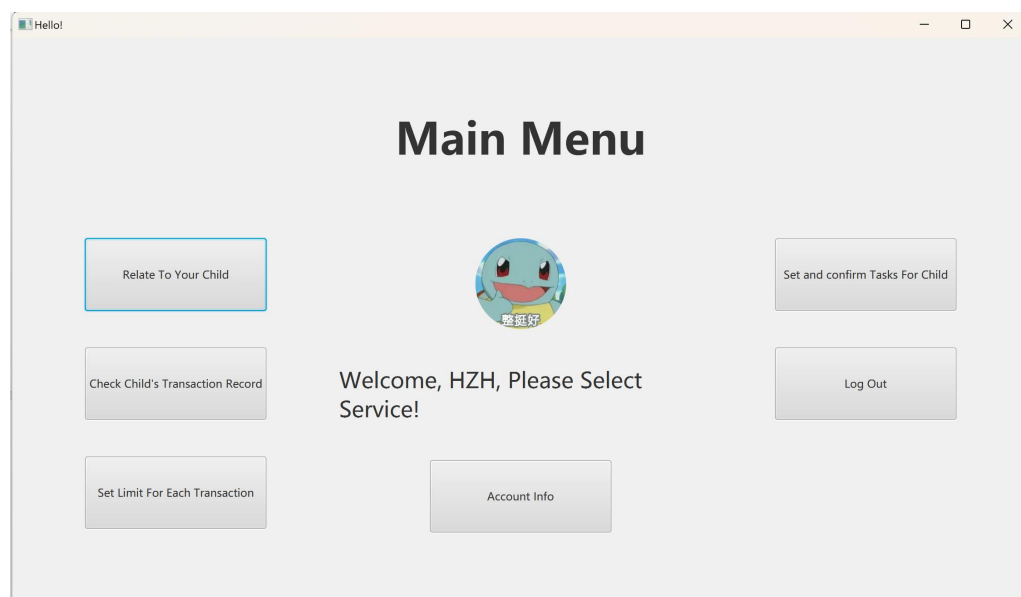
- ⑪ Here you can set trading limits for your child.



A screenshot of a web application window titled "Hello!". The window displays a form titled "Set Transaction limit to your Child". The form contains three input fields: "Child's Current Limit" with the value "0.000000", "The New Limit" with the value "500", and "Enter Your Password" with a masked password "•••••". Below the input fields are two buttons: "Confirm" and "Back".

## 4. Logout

- ① Click "Log Out" to exit our virtual bank.



A screenshot of a web application window titled "Hello!". The window displays a "Main Menu" with a central cartoon character and the text "Welcome, HZH, Please Select Service!". The menu consists of several buttons arranged around the central text: "Relate To Your Child", "Check Child's Transaction Record", "Set Limit For Each Transaction", "Account Info", "Set and confirm Tasks For Child", and "Log Out".