

1.Functional Requirement

(1)Check the correctness of the password

Input: the customer enters the correct format password

Handle: verify the consistency of the current password and the stored account password

Output: inconsistency indicates a password error and returns to the input interface

(2)If the customer's password is incorrectly entered three times, exit the program

Input: the customer entered the wrong password three times in a row

Handle: check the password

Output: exit program

(3)If the password is correctly entered, enter the main transaction interface

Input: the customer enters the correct password

Handle: check the password

Output: display the main trading interface

(4)Withdraw

Input: legal amount of withdrawals

Handle: subtracting the amount from the balance

Output: return to the main page

(5)The amount of withdrawals is greater than the balance of the account

Input: the amount of withdrawals

Handle: determine the amount of input and account balance

Output: if the amount of the withdrawal is greater than the balance of the account, then prompts the "insufficient balance" and returns to the main interface

(6)Deposit

Input: ATM confirms the amount of the deposit, and the customer "confirms"

Handle: add the amount of deposit to the account

Output: Show "transaction success", return to the main trading interface

(7)Transfer accounts

Input: the number of accounts to be transferred and the amount of the transfer

Handle: to determine if the amount of transfer is larger than the current amount of the account, if it exceeds, then return to the transfer interface, otherwise, the transfer amount will be deducted from this account and transferred to the target account.

Output: Show "transfer success" or exit transfer

2.Non functional requirements

2.1Performance requirements

Data precision

- (1) Password: six digits,int type
- (2) Withdraw amount: must be in multiples of 100
- (3) Deposit amount: must be in multiples of 100
- (4) Balance: accurate to 0.01
- (5) Transfer amount: must be in multiples of 100

Adaptability

- (1)Users can do business if they hold a bank card.
- (2)ATM should be easy to operate, have voice prompts, and provide 24 hours of service.