# The Boundary of problems

1. **Login Problem**

For a user, he should put the card in first, then he can login by input

his own password according the account. If the user input correctly, he can login her account successfully, else when he input wrong password three times, his card will be frozen today. The user can only try his password at the artificial window in the same day. Or, he can have try again tomorrow. If he have try 9 times in three consecutive days, this account will be frozen forever.

1. **Search Problem**

When a user put his card in and input correct password, the ATM machine enter the main page which contains the user name and functions.

If the user choose the search button, the page enter a new page which only shows the user’s name and the account balance.

1. **Password modify Problem**

Modify the password should base on the user having logged in.On the main page, the user choose the modify password button.ATM machine enter a new page. First, he should input the old password, then input new password, and then input new password again.If two input are not same, it will show a notice to warn the user.If they are same, user press the confirm button, the new account information will be save in the ATM database.

1. **Transfer Problem**

The user put his card in and input correct password,then enter the main page. Press the transfer button, user can see a new page. In this page, user should choose Intra-bank transfer or inter-bank transfer.And two ways of transfer,ATM machine will deduct certain fees according provisions. Then input the account card number that he wants to transfer. Then choose transfer amount or input custom amount. According the China UnionPay announced on June 8, 2015, ATM cross-bank transfer business limit is 50,000 yuan per day. The user transfer limitation should not exceed 50,000 by the provisions.After the these steps, the ATM machine will show the account name and user should ensure the and the number match or not.

1. **Service selections Problem**

A user put his card in, the first page shows to him is to shoose language. Currently, our ATM machine only provide two languages: Chinese and English.

1. **Print receipt Problem**

When the user finishes any business, ATM should show whether to print the credentials before the card is withdrawn. If you choose Yes, ATM should print this transaction flow and export it to the user from the credential outlet. If you choose No, ATM can be directly back to the user card.

1. **Deposit and withdraw Problem**

Deposit: user choose deposit business on the main page. On new page, it should notice user that the machine only accept 100 yuan.Then the ATM open the banknotes entrance neatly.ATM machine check the authenticity of banknotes and calculate the amount of banknotes that can be read in.After this step, screen will show the amount of money and return the money it can not read.

Withdraw: user first choose withdraw business on the main page.Then choose transfer amount or input custom amount.Then choose transfer amount or input custom amount.According different bank provisions, the amount of withdraw limitation should be set well in advance.

**8. Binding with phone numbers Problem**

When the user account’s balance changed, the phone which he set for this card will received a message.Message content contains balance and process amount.