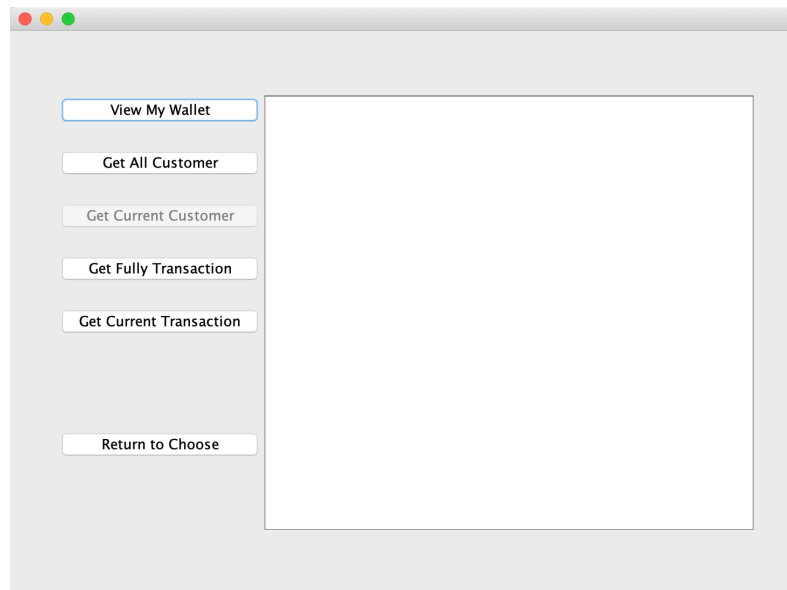
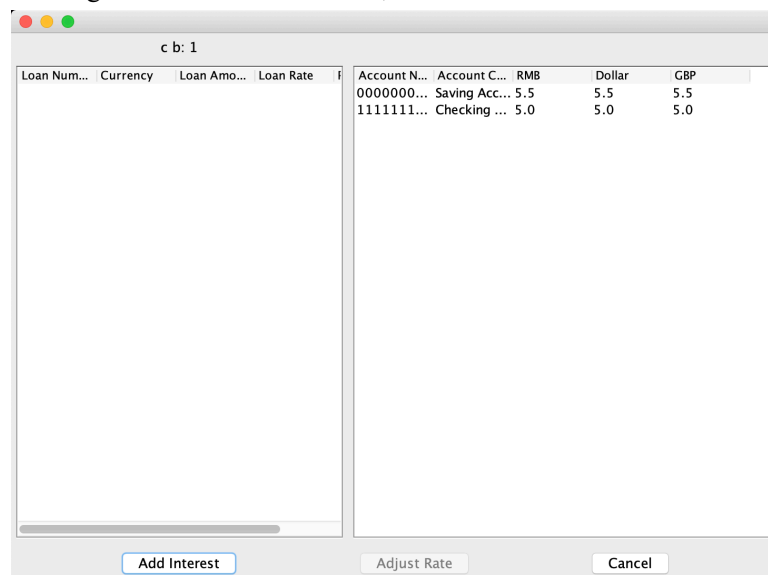


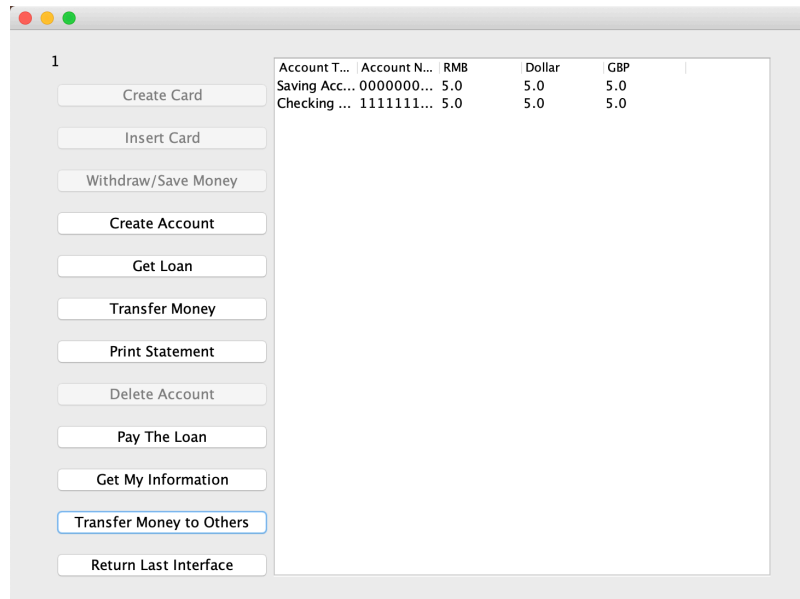
1. The entrance of the system is Test.java.
2. After you enter the system, you can choose to be a customer or a manager of the banker, the banker's ID = 1 and the password = 1
 - a) If you choose to be a bank manager, after login, the interface will be shown like this:



- i. Here you can view the wallet, in theory the wallet has unlimited money, customers can get loan from it. Every time you want to create a new account or close an account, withdraw money from saving account, view the transaction the wallet will earn some money.
- ii. After you get all customer and select one customer, you can view the customer by clicking "Get Current Customer", the UI is shown as below:



1. You can add interest when you choose the item in the loan table or account table; you can also adjust the loan rate by choosing the item in the loan table
- iii. Click Get Fully Transaction to get the whole record of the bank
- iv. Click Get Current Transaction to get current record of the bank
- b) If you choose to be a customer, the UI is shown like below:



- i. When you want to create a card, the system will use UUID to generate a card number, it is also your user ID to login (Since the number is generated randomly, you may write down the number to login in).
- ii. When you want to insert card, you may enter the ID and password. There are some existed users in the system. They are shown below:

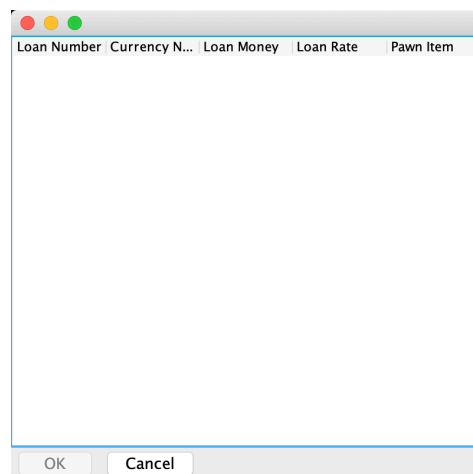
```

Customer c1 = new Customer( ID: "U48621793", userName: "jiaqian@bu.edu", password: "123456", firstName: "Jiaqian", lastName: "Sun", cardNumber: "U48621793");
Customer c2 = new Customer( ID: "U48621794", userName: "jiaqian@bu.edu", password: "123456", firstName: "Jiaqian", lastName: "Sun", cardNumber: "U48621794");
Customer c3 = new Customer( ID: "U48621795", userName: "jiaqian@bu.edu", password: "123456", firstName: "Jiaqian", lastName: "Sun", cardNumber: "U48621795");
Customer c4 = new Customer( ID: "U48621796", userName: "jiaqian@bu.edu", password: "123456", firstName: "Jiaqian", lastName: "Sun", cardNumber: "U48621796");
Customer c5 = new Customer( ID: "1", userName: "a", password: "1", firstName: "c", lastName: "b", cardNumber: "1");
customerMan.put(c1.getID(), c1);

```

To make test easier, you can use the 5th customer which ID = 1, password = 1.

- iii. You can select your account to activate some button. The money you can withdraw is no more than that in your account.
- iv. When you want to get loan, you can choose the pawn item, if you choose pen, you can get no more than 10 bucks (whatever currency is); if you choose sedan car, you can get no more than 10000 bucks; if you choose sport car, you can get no more than 15000 bucks; if you choose a house, you can get whatever you want. (Up to 999999 bucks)
- v. When you choose an account and try to pay the loan, you will get the UI below:



1. It will show all of your loan, you can choose one to pay (If you have enough money).
- vi. When you choose “Transfer Money to Others”, a new frame will pop out, after you choose account number, currency name and money, you can transfer money. You cannot transfer money which is more than your balance.