

Instruction

You could run the program by the following method;

1. Open the CS 589 Project.exe, you will see

```
*-----*
*      CS 589 Project      *
*      Written by         *
*      Xiaoyang Lu        *
*-----*

account object state by calling all test methods

Balance: 0
Locked: 0
Pin: 0
EFSM State: -1
Account: 0
Penalty: 10
Minimum Balance: 1000
Attempt Times: 0
Maximum Attempts: 2
Current State: START

DRIVER for the account

0. open
1. deposit
2. withdraw
3. balance
4. lock
5. unlock
6. login
7. pin
8. logout

Testing-related functions

a. reset account object

q. quit

>>>
```

2. Choose the operation you want, such as open operation, and input the related value, you will see

```
*-----*
*      Written by         *
*      Xiaoyang Lu        *
*-----*

account object state by calling all test methods

Balance: 0
Locked: 0
Pin: 0
EFSM State: -1
Account: 0
Penalty: 10
Minimum Balance: 1000
Attempt Times: 0
Maximum Attempts: 2
Current State: START

** Execute account::open() **
Please input the following value:
-- Initial balance: 1200
-- Pin number: 111
-- Account number: 123

The value returned by the method is: 0

account object state by calling all test methods

Balance: 1200
Locked: 0
Pin: 111
EFSM State: 0
Account: 123
Penalty: 10
Minimum Balance: 1000
Attempt Times: 0
Maximum Attempts: 2
Current State: IDLE

Press any key to continue.
```

3. You could see the details of the program in current state, other operation executions are similar.
4. You can press any key to continue and press ESC to quit the current state.
5. When you want to reset a new account, after you press ESC, you can press function a to reset

a new account, as following:

```
-----
*                CS 589 Project                *
*                written by                      *
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*                -----
account object state by calling all test methods

Balance:      0
Locked:       0
Pin:          0
EFSM State:   -1
Account:      0
Penalty:      10
Minimum Balance: 1000
Attempt Times: 0
Maximum Attempts: 2
Current State: START

DRIVER for the account

0. open
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Testing-related functions

a. reset account object

q. quit

>>>
```

6. When you finish the program, you can press q to quit the whole program.