User manual of Group 102

1. Uncompress the zip file
2. You don't need to compile the codes, because class files have already been created.
3. Open the file Software_group102, enter "program" file folder then enter "SEMMS" file folder. Open cmd and input java GUI.SEMMS to enter the interface of the system.

4. Then you will enter the home page.

5. Click on "USER LOGIN" to login as a user.

6. You can input the account in userLogin.txt to login

   3 user names and 3 passwords

   If you input a wrong user name or password, a window will be given to remind you

7. After login, you will see this page, then you can do next operation. If today is a charge day and you have a new bill, you will receive a message.
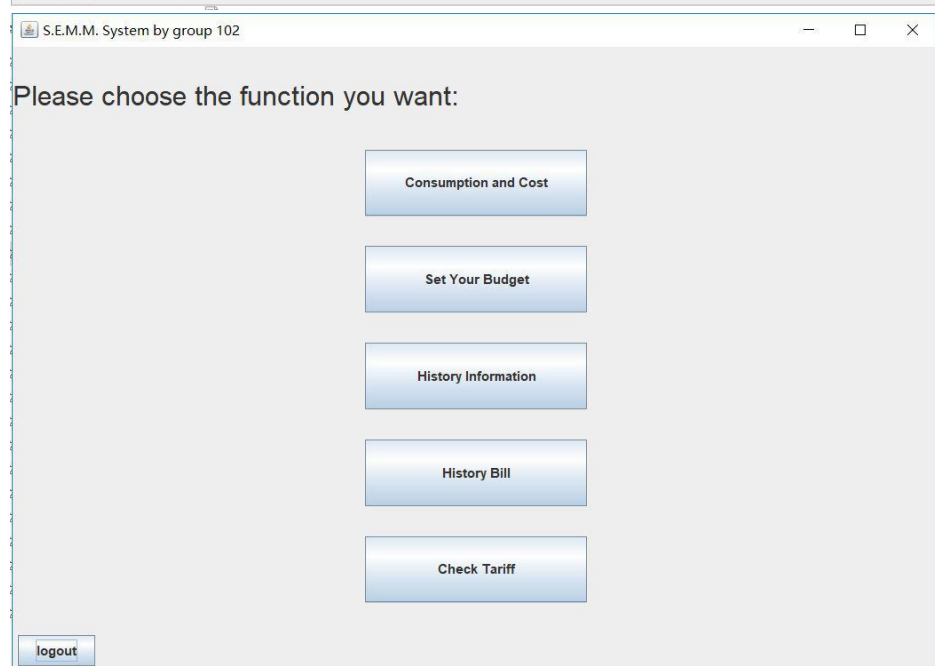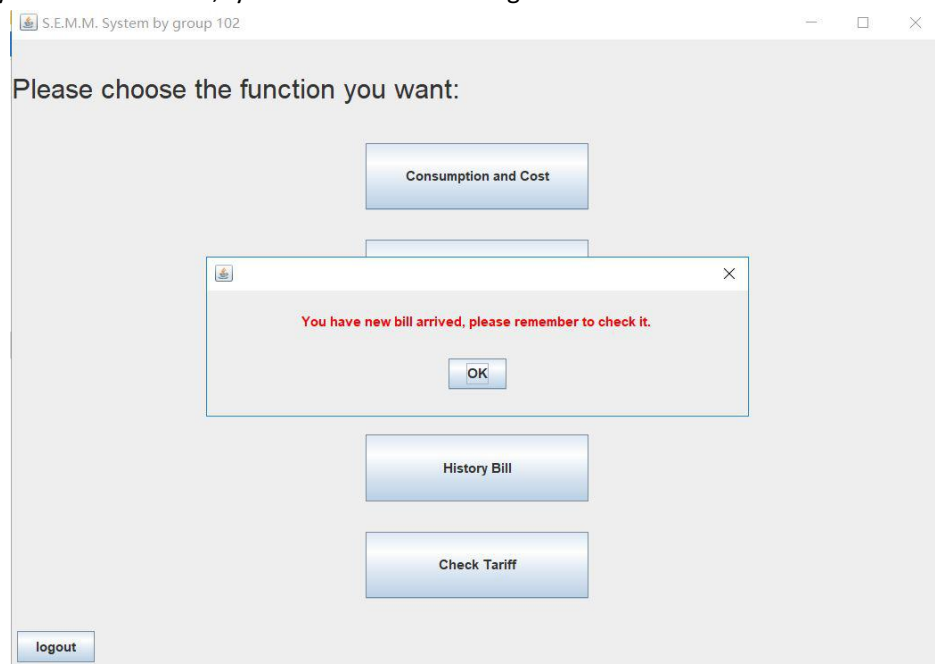
8. If you click on "Consumption and Cost", the consumption and cost of today and consumption and cost since last charge will both be shown. The number of consumption and cost will change constantly.

Consumption and cost

Today	consumption	cost
Electricity:	2.51kwh	£12.02
Gas:	2.11m^3	£7.02

Since last charge	consumption	cost
Electricity:	11.01kwh	£182.02
Gas:	3.81m^3	£58.02

back

9. Click "back" to back to the last page
10. If you click "Set Your Budget", then you will enter a page where you can set or change your budget. Your current budget will also be given. You can choose to set budget both by cost of money and consumption of electricity or gas.

Set budget

	electricity	gas
Current budget:	£400(400.00kwh)	£225(112.50m^3)
New budget(in cost):	£ [ ]	£ [ ] OK
New budget(in usage):	[ ] kwh	[ ] m^3 OK

Enter new budget in right line (pounds or kwh/m^3) if you want to change any of your current budget, and then click 'OK'

back

11. Click "back" to back to the last page.
12. If you click "History Information", you will be able to check your daily cost or consumption by

entering a period of time.

If you input a wrong format of date, a message will be given to you.

13. Click "back" to back to the last page.
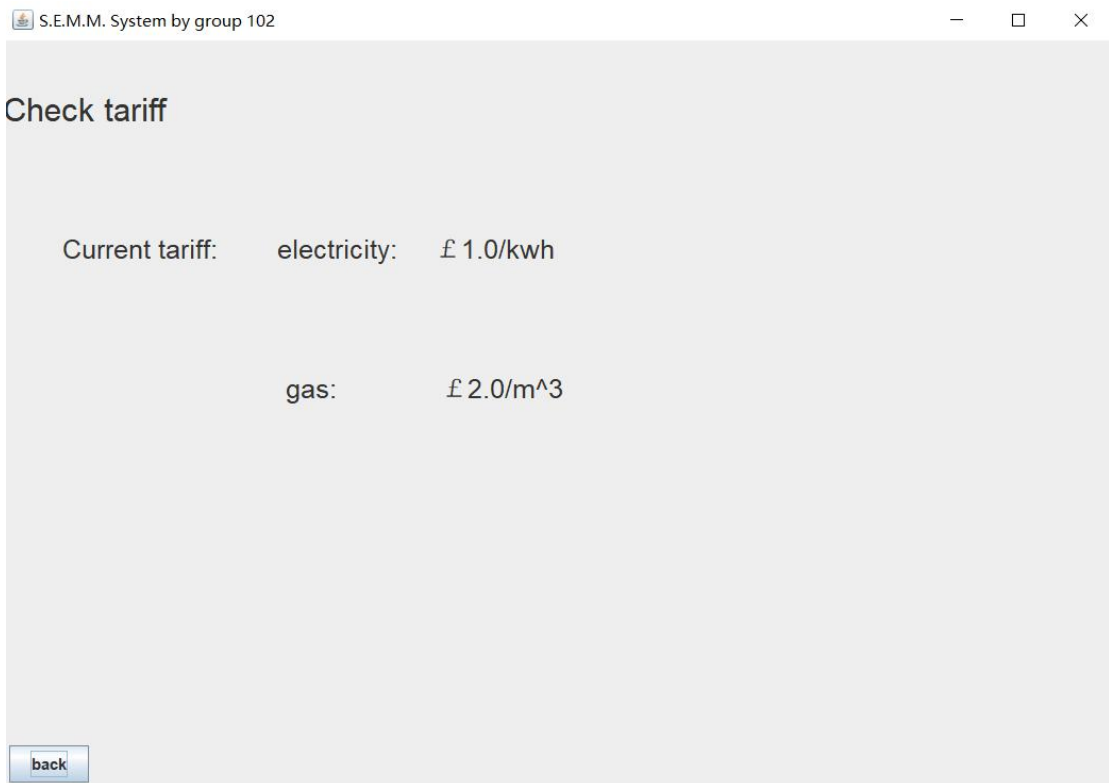14. If you choose "History Bill", you will be able to check history bill of every charge day.

15. Click "back" to back to the last page.
16. If you choose "Check Tariff", you will be able to check current prices of electricity or gas.

17. Click "back" to back to the last page.
18. Click "Logout" to logout your account. You will be required to confirm your operation.
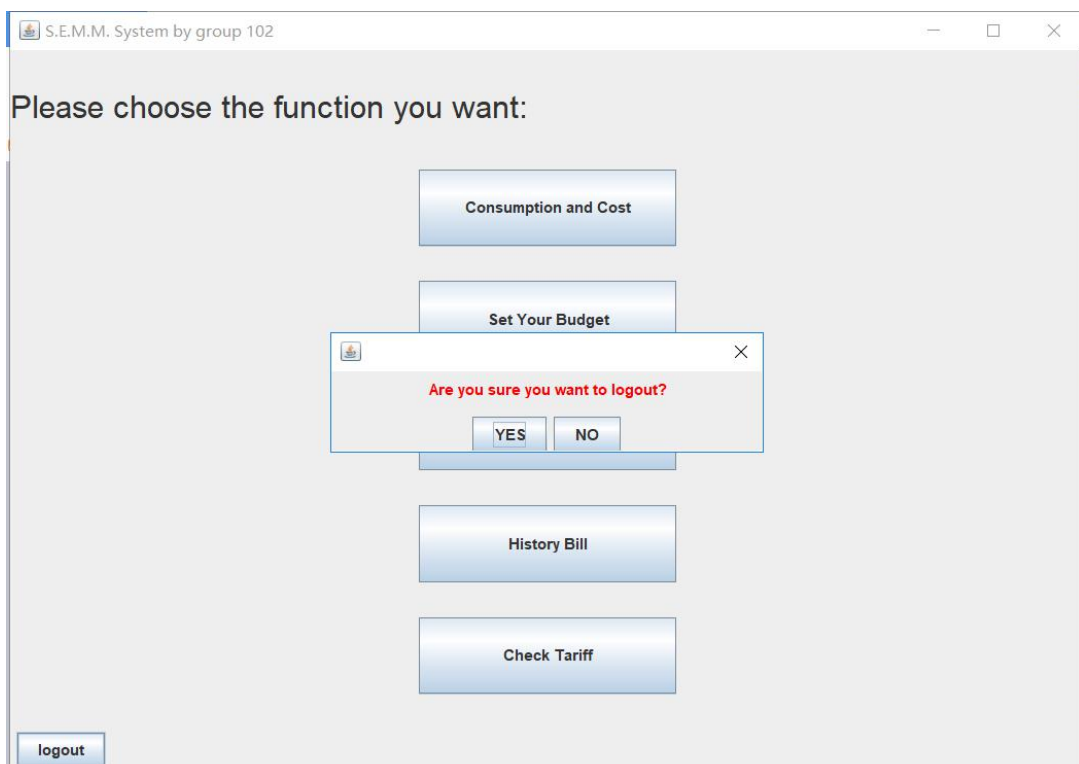
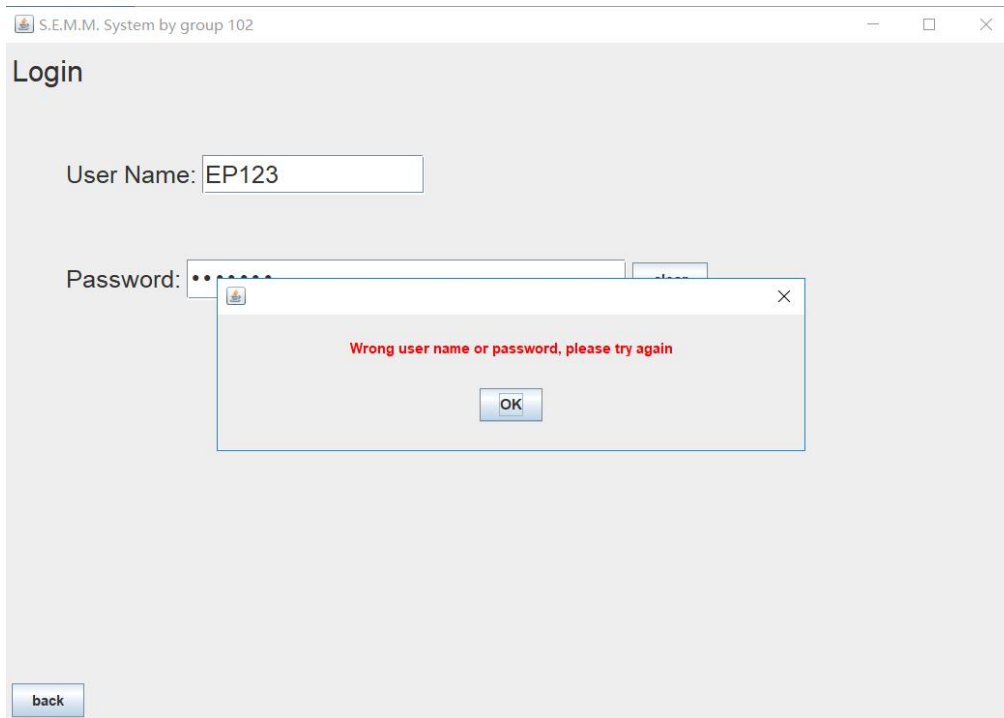Click "YES" to confirm. Then you will logout to the main page.

19. Choose "PROVIDER LOGIN" to login as a provider.

20. You can input the account in ep.txt to login

ep.txt - 记事本

文件(F)　编辑(E)　格式(O)　查看(V)　帮助(H)

EP123   12345678

If you input a wrong name or password, a message will be given.

S.E.M.M. System by group 102

Login

User Name: EP123

Password: ••••••••

Wrong user name or password, please try again

OK

back

21. After login, you will see this page, then you can do next operation.
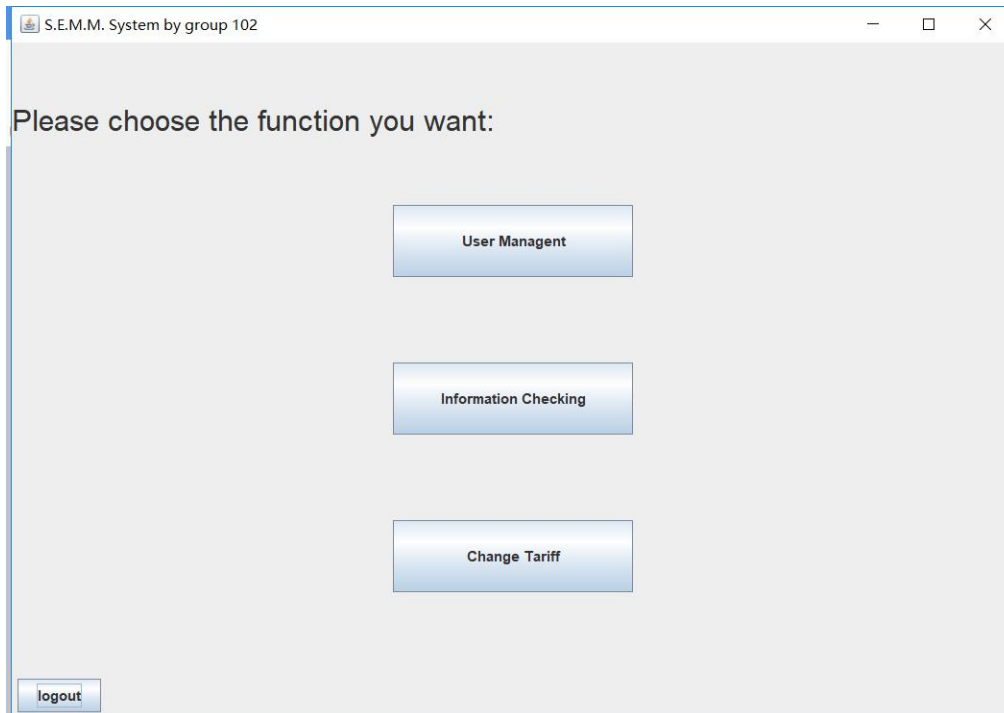
22. If you click on "User Management", you will be able to add user or delete user.
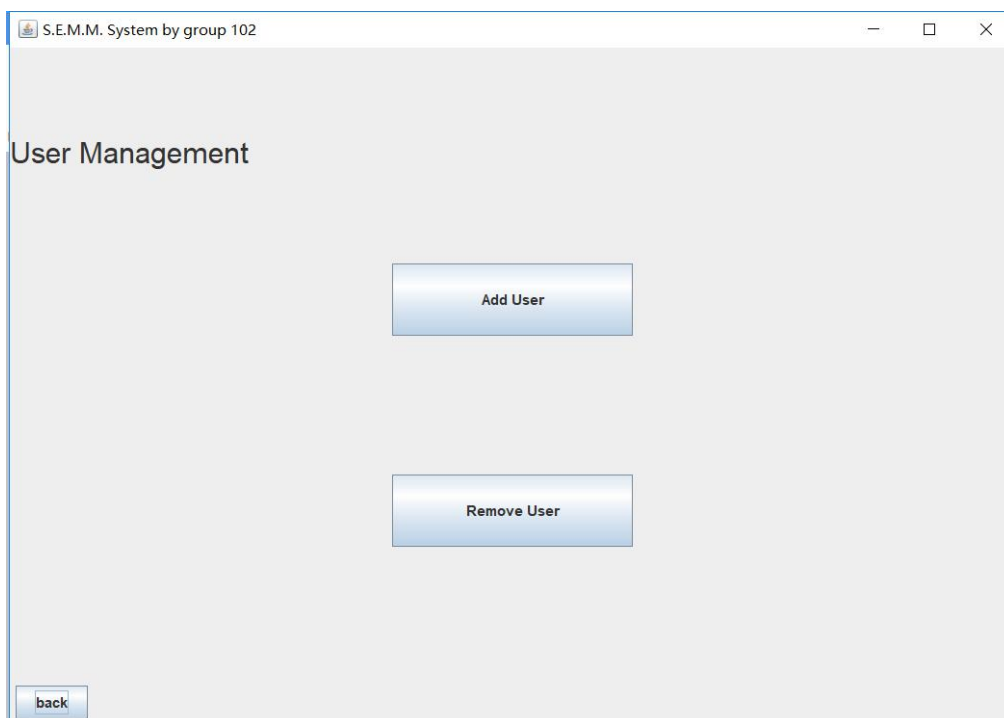
23. If you click on "Add User", you can add user by giving out a user name and password.

If the password and password check is not the same, a message will be shown.

If the password and password check is the same, the user will be added to "userLogin.txt".
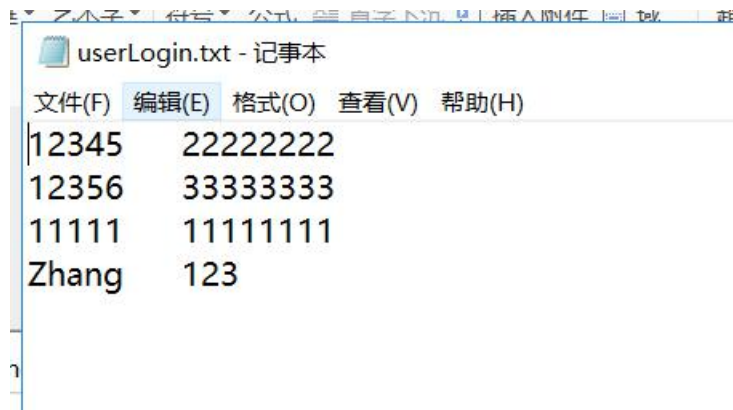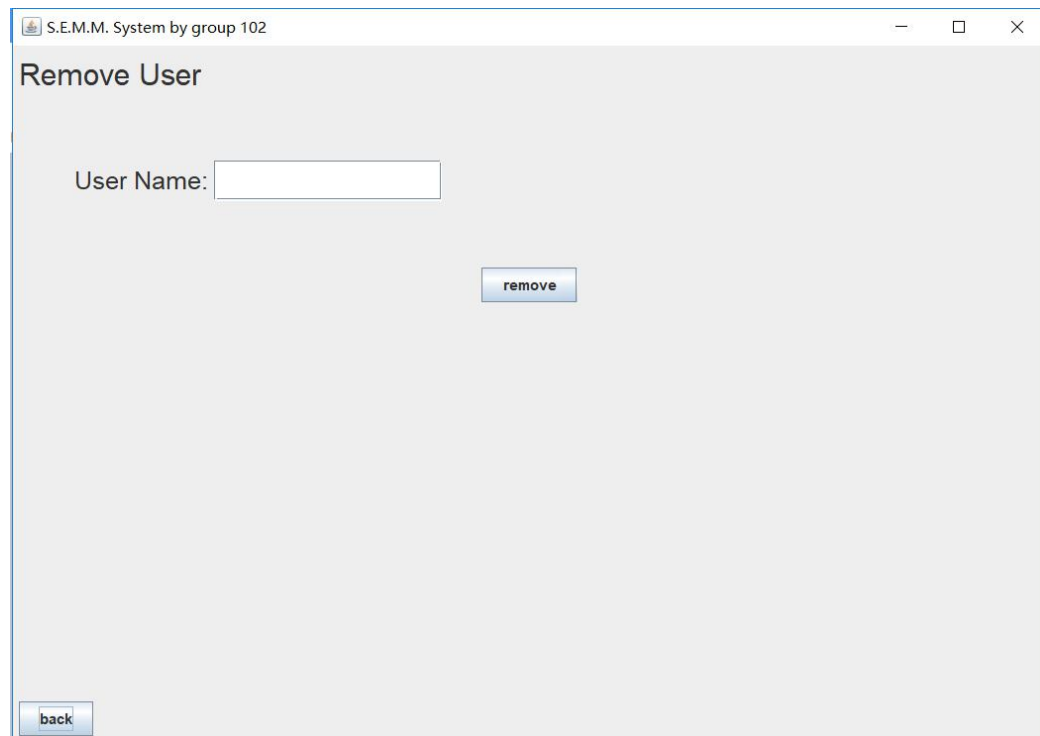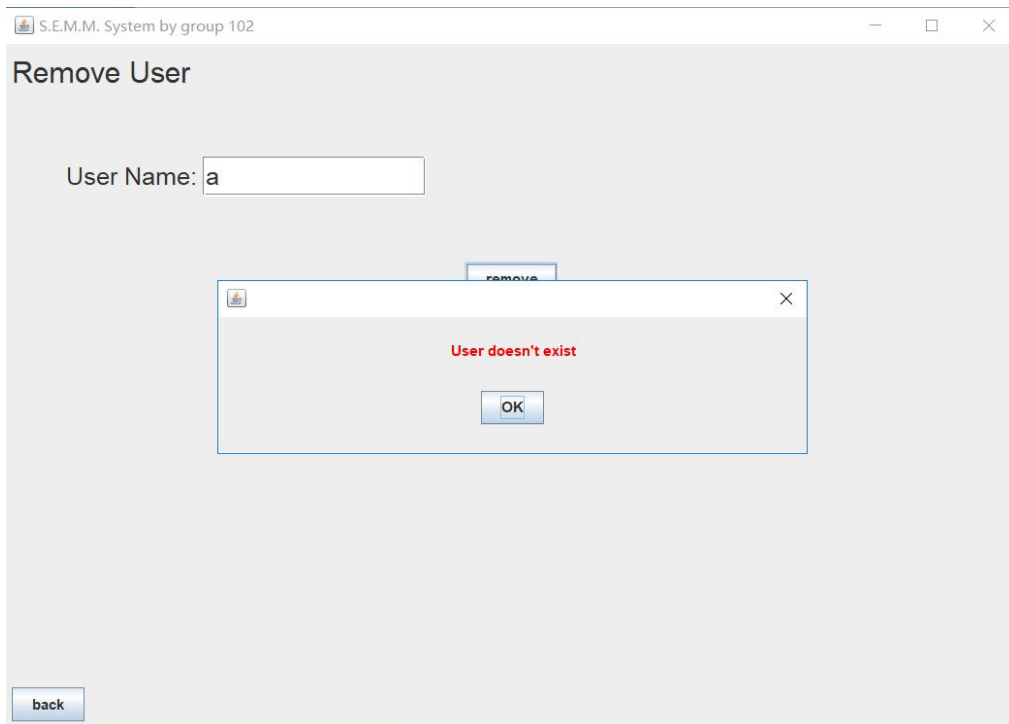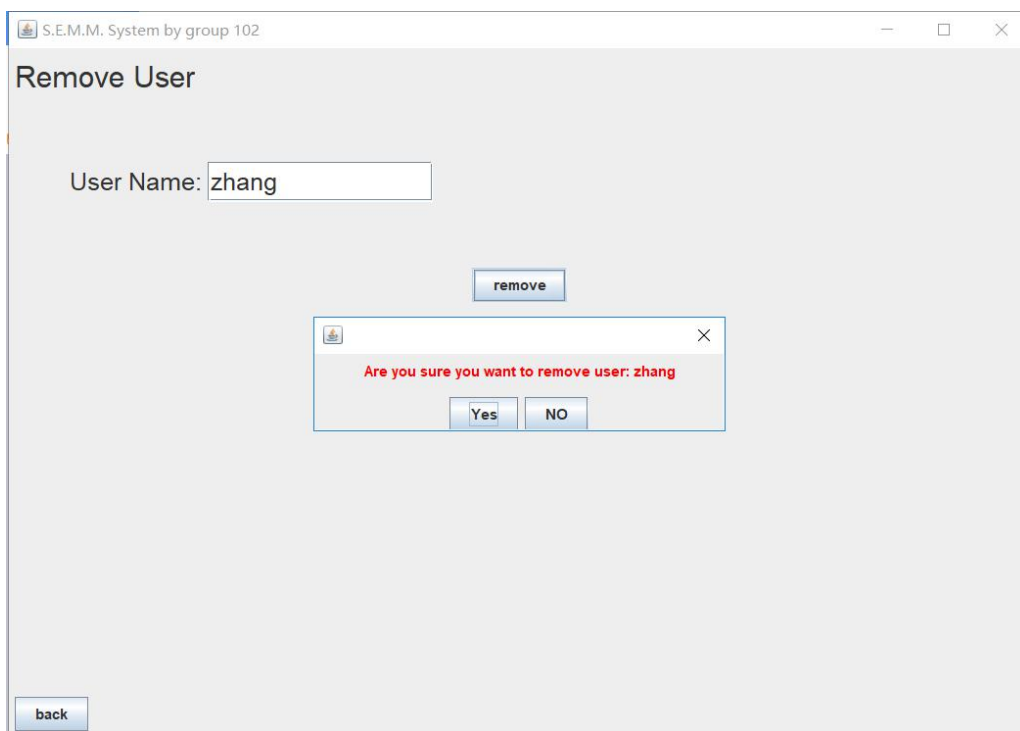
24. Click "back" to back to the last page.
25. Click on "Remove User", you will be able to remover a user by giving his name.

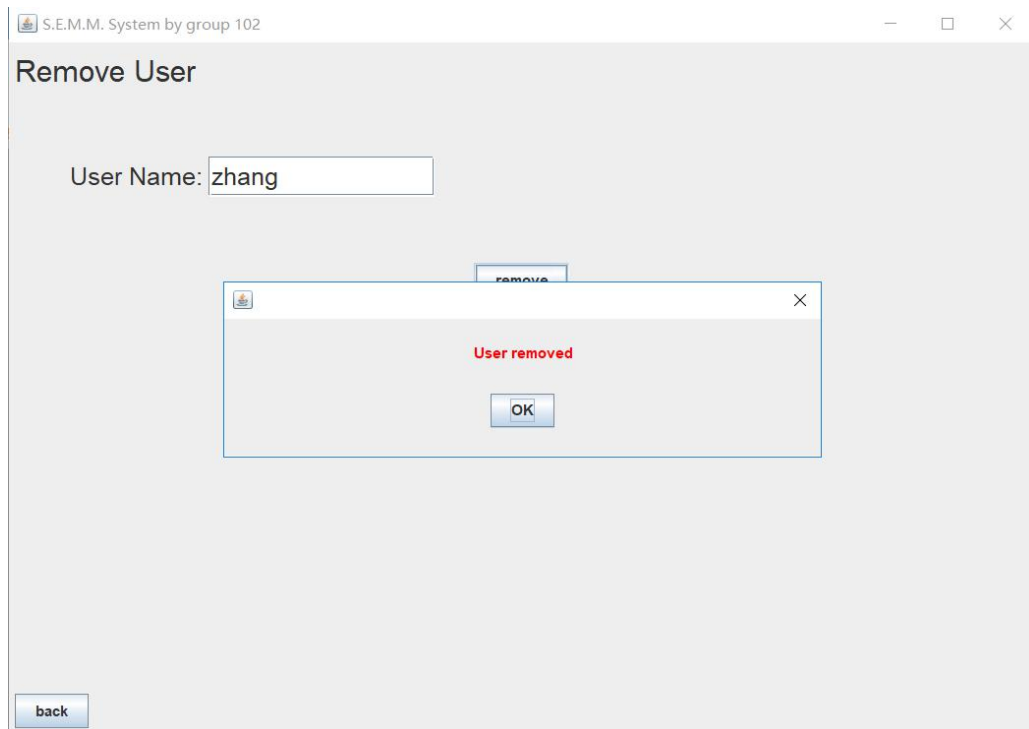If the user doesn't exist, a message will be shown.

If the user exists, you will be required to confirm your operation.

Click "Yes" to remove, click "No" to give up operation.

If you click "Yes", the user will be removed from "userLogin.txt".

26. Click "back" to back to the last page.
27. Click "back" to back to the last page.
28. If you choose "Information Checking", you will be able to check information by giving his name.

If the user doesn't exist, a message will be shown.

If the user exists, you be able to enter next operation.
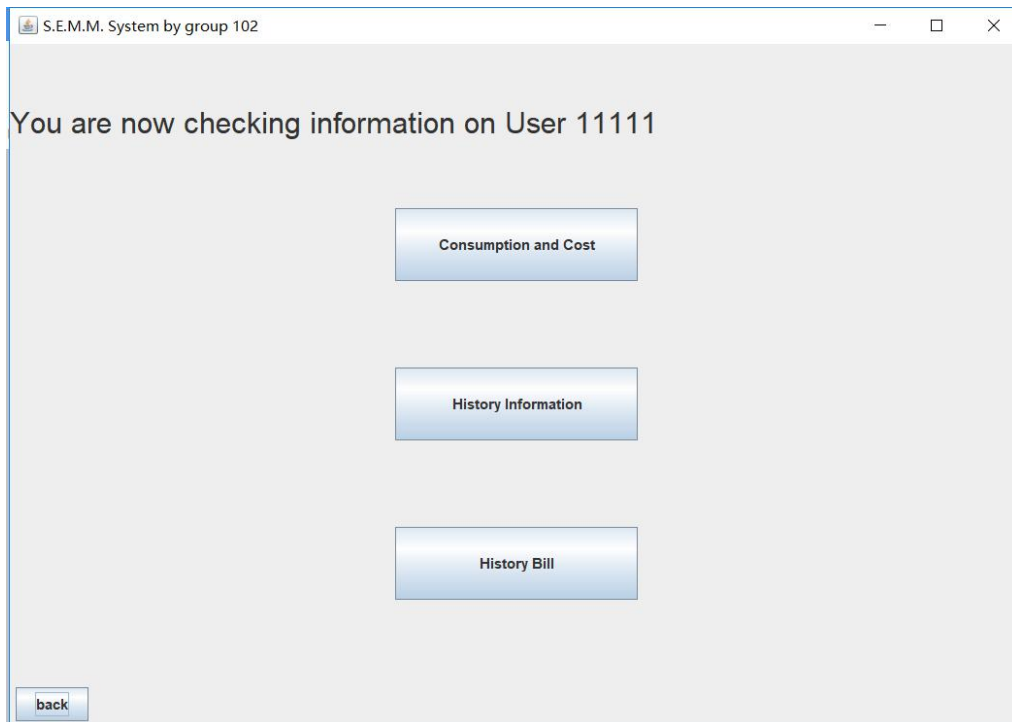
Click on "Consumption and Cost", you will be able to check his consumption and cost of today or total value after last charge.

Click "Back" to back to the last page.

If you click on "History Information", you will be able to check the information by giving a period of time.

The format of date is the same as the user's operation.

Click "Back" to back to the last page.

If you click on "History Bill", you will be able to check the history bill information of the user.

Charge Date	Electricity Consumption(kwh)	Electricity Cost(£)	Gas Consumption(m^3)	Gas Cost(£)
18.2.28	14.0	280.00	2.8	54.00
18.3.31	15.5	310.00	3.1	93.00
18.4.30	15.0	300.00	3.0	90.00

29. Click "back" to back to the last page.
30. Click "back" to back to the last page.
31. Click "back" to back to the last page.
32. If you choose "Change Tariff", you will be able to change current tariff by entering the new price.

The price must be integer.
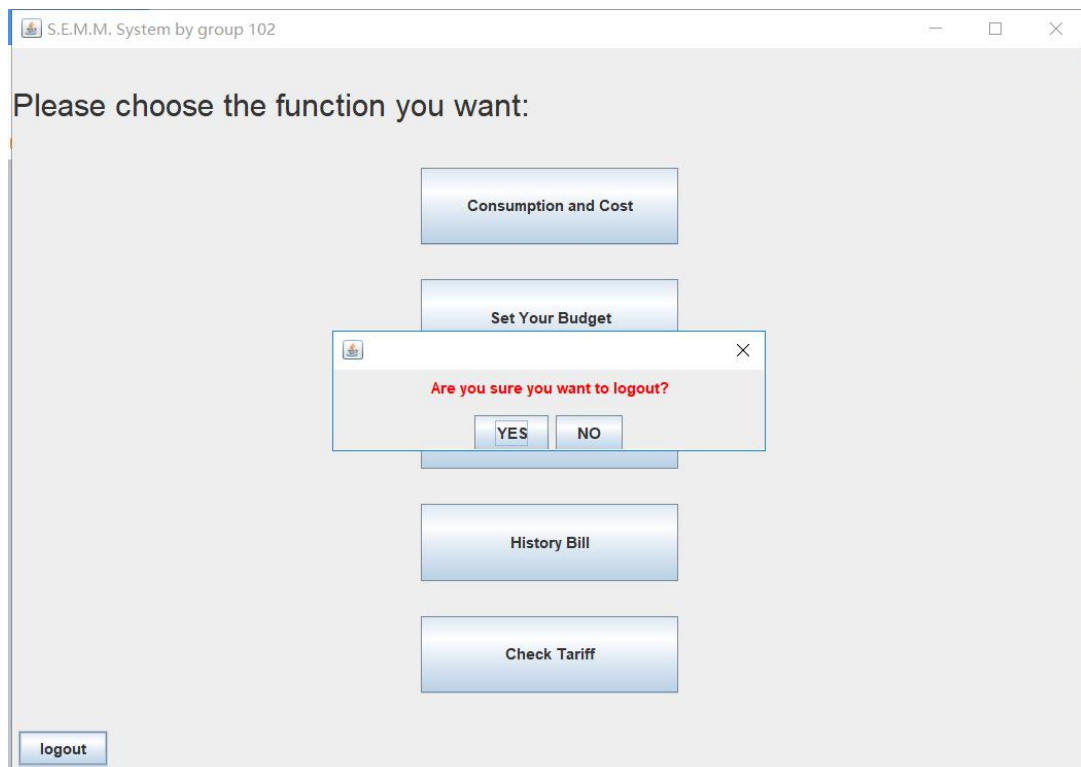
Enter 2 as electricity price and 3 as gas price, the tariff will change.

33. Click "back" to back to the last page.
34. Click "Logout" to logout your account. You will be required to confirm your operation.

Click "YES" to confirm. Then you will logout to the main page.

35. Content of txt files.

"11111.txt" contains budget set by user 11111.

"11111D.txt" contains all history usage of user 11111.

"11111M.txt" contains all history bills of user 11111.

"11111TM.txt" contains all usage of user 11111 since the last charge day.

"billList.txt" contains the new bill of user 12356.

"ep.txt" contains the name and password of energy provider.

"genInfo.txt" contains the tariff of electricity and gas.

"userList.txt" contains the names of users.

"userLogin.txt" contains the names and passwords of users.

The content of other txt files which contain user name in its name is similar to the upper 4 txt files.

Thanks for using our system! Hope this user manual will help you.