User Manual

1.User

1.1 Login

Type your ID and PASSWORD in text, and then click "Login"

After login successfully, direct to other page, otherwise, stay in the same page.

1.2 User Home Page

In user home page, user can see the usage and cost of electric and gas. The budget set by user is also shown in this page.

In this page, the alert light could be seen when it is green (cost <budget), when it is red (budget<cost).

Dear exvf

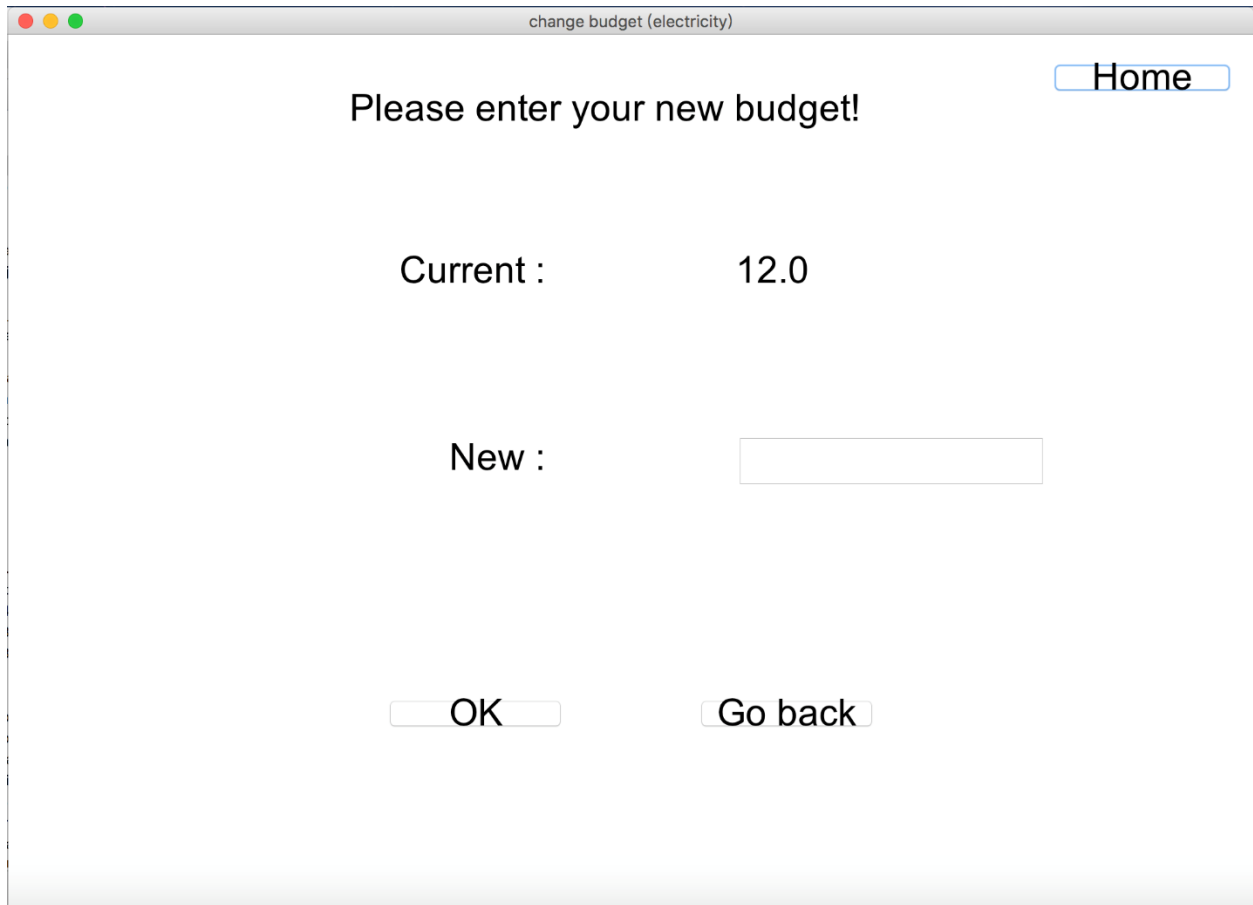|	Usage	Cost	Budget	
• Electricity:	165.0 Kwh	1485.0 pounds	12.0 pounds	Change
• Gas:	70.0 Kwh	70.0 pounds	15.0 pounds	Change

History record   Check tariff

Change Password?

The functions could be achieved by clicking the buttons.

1.3 Change Budget

First type your new budget.

The budget could be changed after clicking "OK". Click "Go back", user goes back to the user home page.
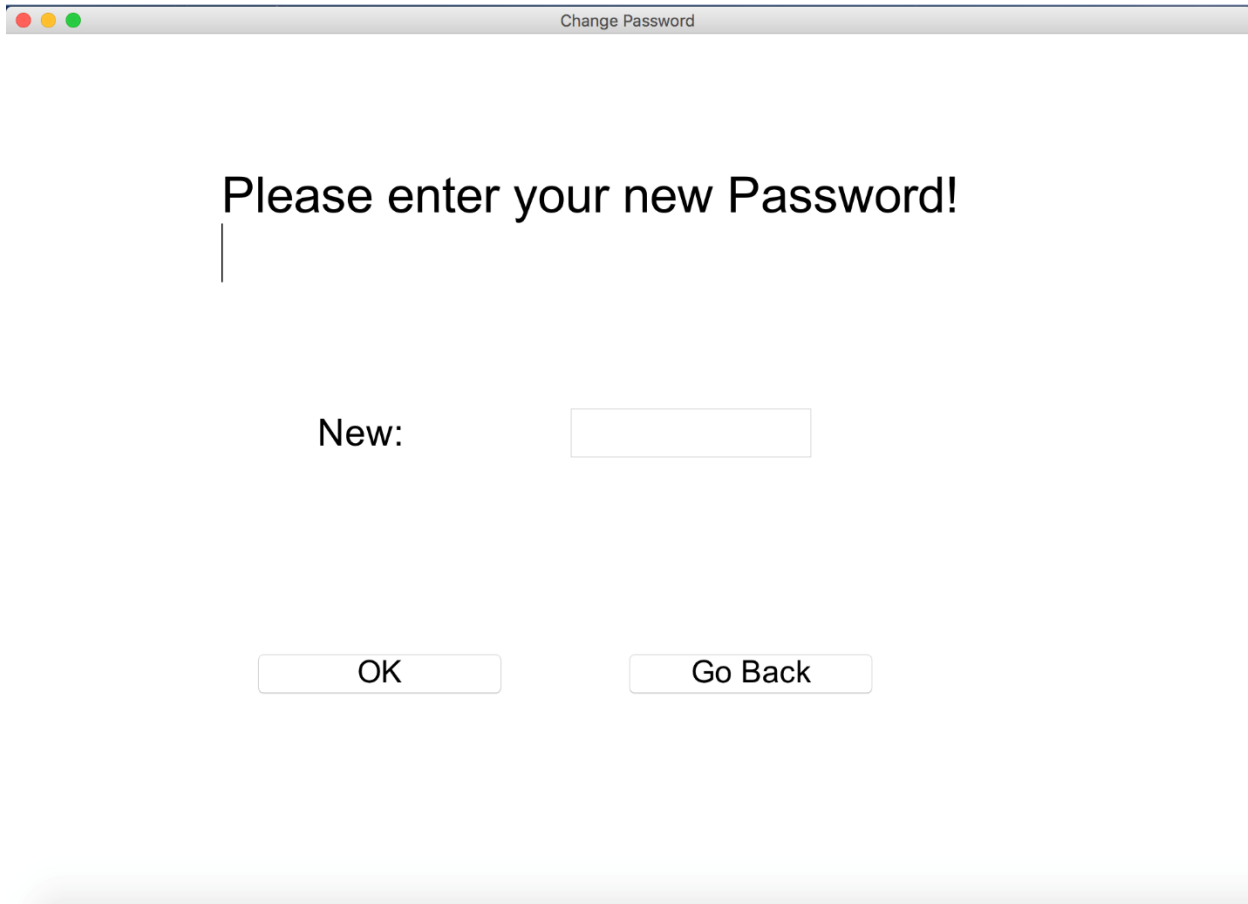
1.4 Change Password

User can his new password and clicks "OK", then the password is changed. Click "Go back", user goes back to the user home page.

1.5 Check Tariff

User clicks "Check tariff" in user home page, and then current tariff will be shown. Click "Go back", user goes back to the user home page. Click "Home", user goes back to the user home page.

CheckTriff

Home

electricity: 1 Pounds

gas: 9 Pounds
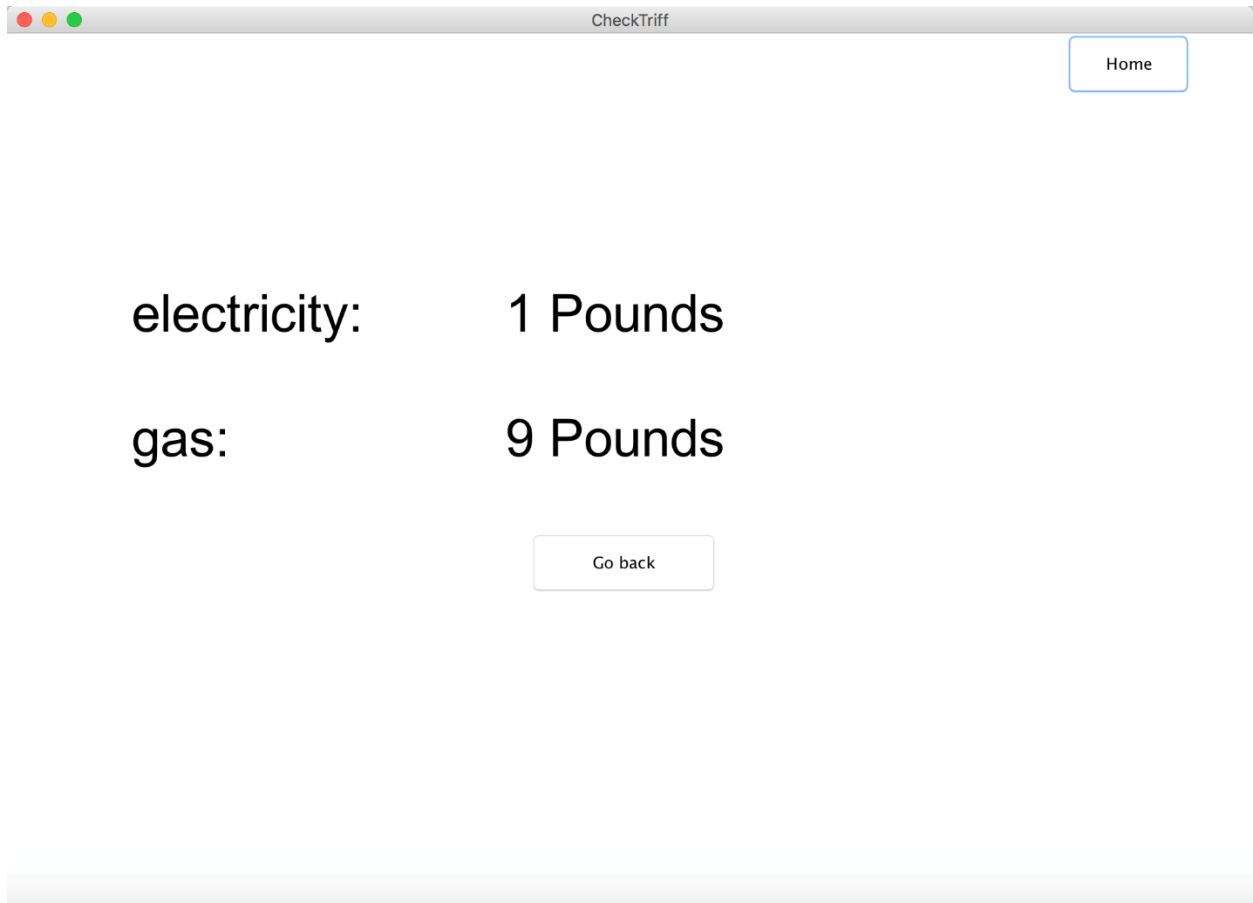
Go back

1.6 Check History Record

User clicks "History Record" in user home page, and then a new page will show.

User must choose which energy he wants to check, and the period of time.

Click "OK", the corresponding history table will show.

Click "Go back", user goes back to the user home page.

The following is the electric history table for daily.

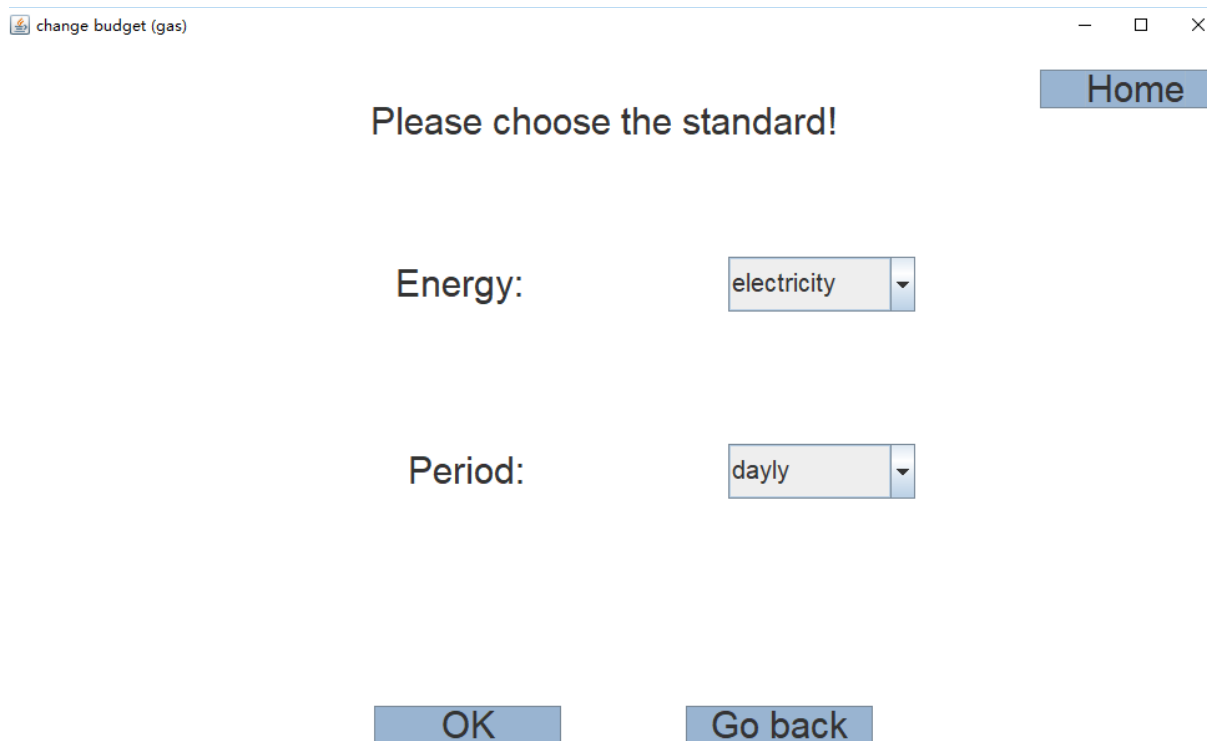| No.	date	Usage(kWh)
1	0	2.0
2	721	3.0
3	722	21.0
4	723	17.0
5	724	16.0
6	725	24.0
7	726	1.0
8	727	1.0
9	728	2.0
10	729	21.0
11	730	26.0
12	731	27.0
13	732	20.0
14	733	14.0
15	734	24.0
16	735	15.0
17	736	25.0
18	737	22.0
19	738	2.0
20	739	1.0
21	740	13.0
22	741	28.0
23	742	21.0
24	743	10.0
25	744	15.0
26	745	5.0
27	746	1.0
28	747	20.0
29	748	12.0
30	749	13.0
31	750	27.0
32	751	8.0
33	752	3.0
34	753	18.0
35	754	20.0
36	755	27.0
37	756	8.0
38	757	8.0
39	758	1.0
40	759	8.0
41	760	11.0
42	761	3.0

2.Manager

2.1 Manager Home Page

In manager home page, manager can choose three functions: manage user, set tariff and check bill.
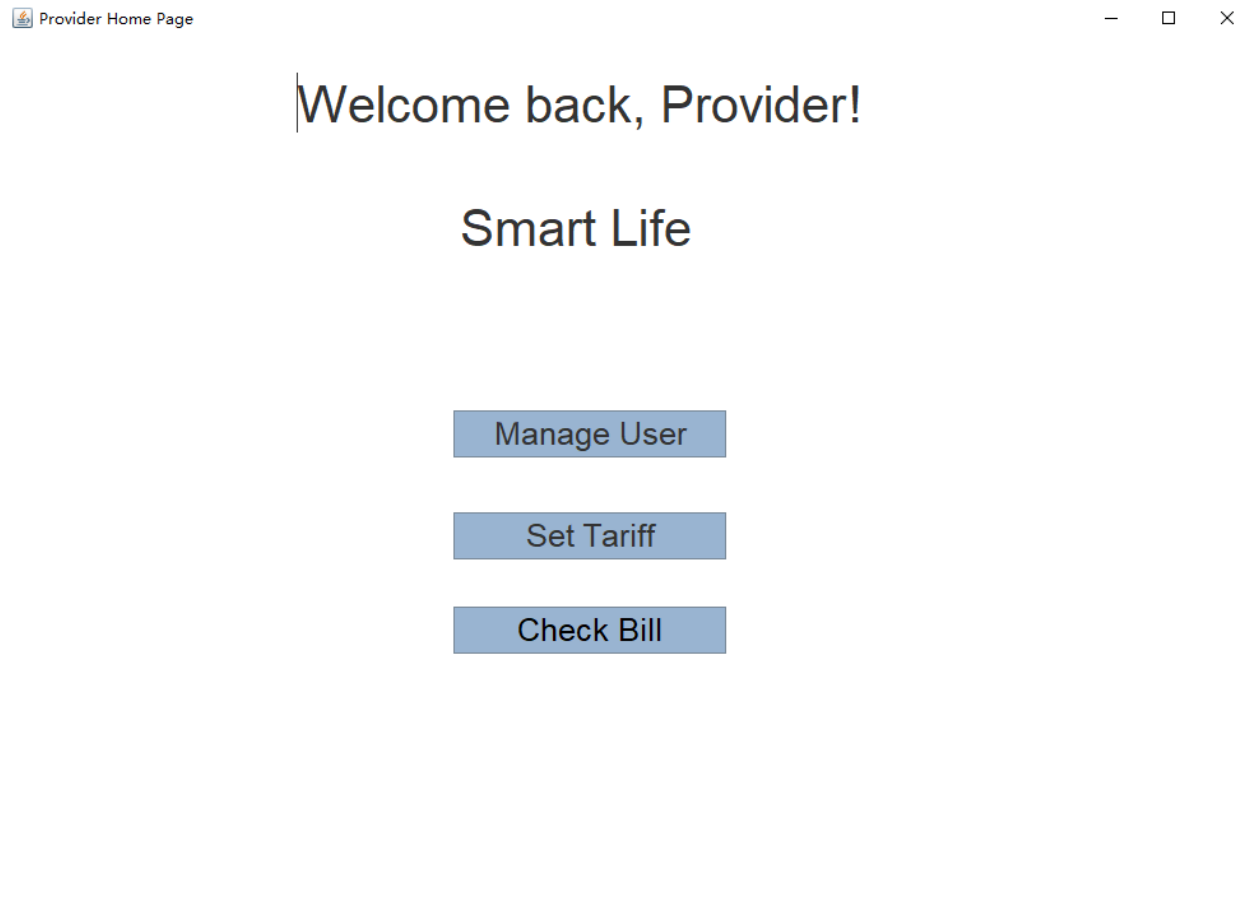
2.2 Manage User

This page shows all the users in our system, including their ID, name and E-mail.

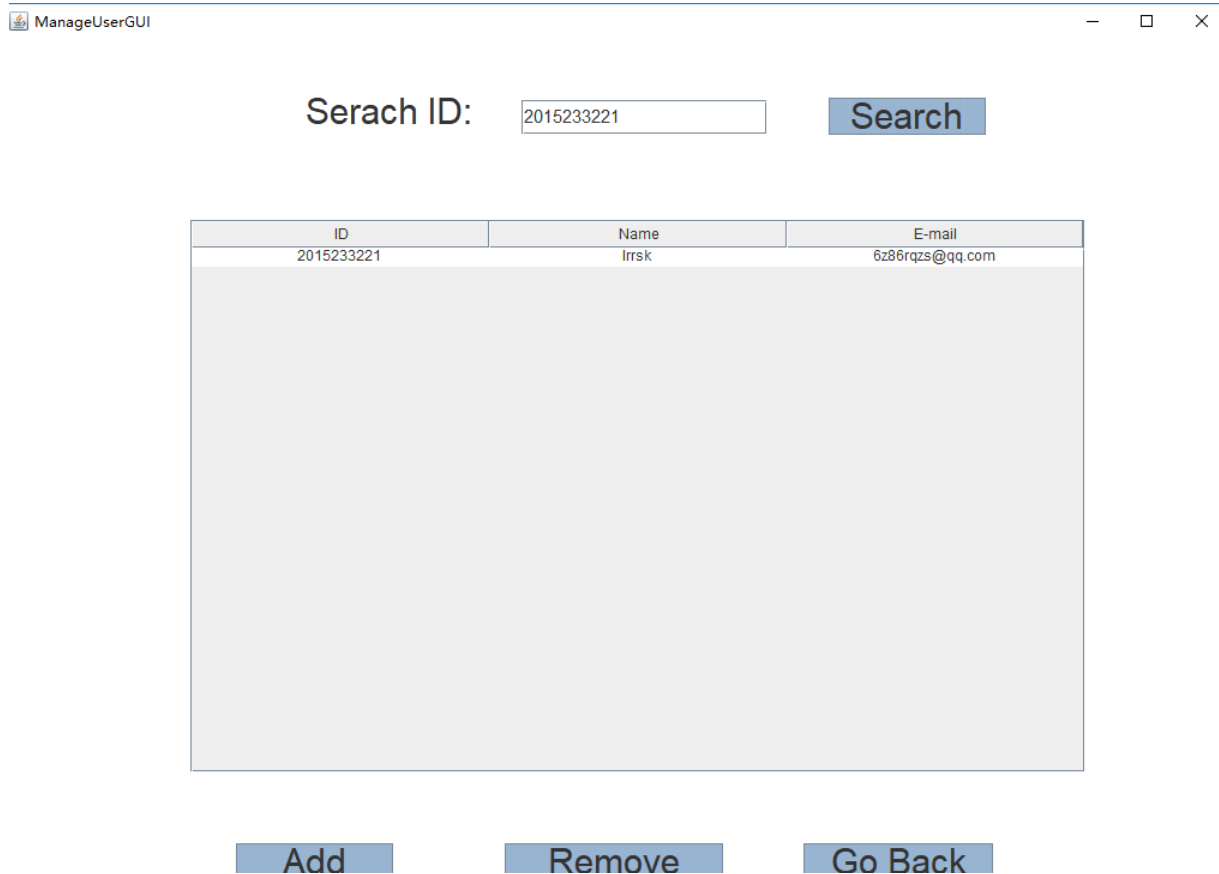Click "Go back", manager goes back to the manager home page.

2.3 Search User

First type the ID of user that you want to view.

Click "Search", and then the information of this user will be shown.

Click "Go back", manager goes back to the manager home page.

2.4 Add User

First click "Generate an ID" to create ID randomly. Then type the name and E-mail of user. Click "Confirm", the user is added. Click "Cancel", the text will be cleared.

Click "Go back", manager goes back to the manage user page.

To add a new user, please input the following information

ID	Name	Email
Click on 'Generate an ID'		

Cancel   Generate an Id   Go Back

To add a new user, please input the following information

ID	Name	Email
2015206203	student	123456@qq.com

Cancel   Confirm   Go Back

2.5 Remove User

First click "Remove" in manage user page. Type ID in text and click "Search", the user information will be shown.

Click "Delete", this user will be removed. Click "Cancel", no operation will be executed.

Click "Go back", manager goes back to the manage user page.

2.6 Set Tariff

In this page, manager can set the tariff of electric and gas.

Current tariff will be shown. Type the new tariff in text and click "Set", and the tariff will be changed. Click "Cancel", the text will be cleared.

Click "Go back", manager goes back to the manager home page.

Set Tariff Page	— □ ✕

Current elec Tariff: [1]

Set New elec Tariff: [ ]

[Set]   [Cancel]

Current gas Tariff: [9]

Set New gas Tariff: [ ]

[Set]   [Cancel]   [go back]

2.7 Check Bill

In this page, manager can check all the bills of the user in the type of electric or gas.

Choose the energy type and enter user ID in text. Click "OK", the bills of this user will be shown in a new table.

Click "Go back", manager goes back to the manager home page.

The following is the table of electric bills of one user.

Check Electric Bill   — ☐ ✕

Electric Bills of User exvf:

User	Month	Usage	Cost
2015238224	24	444.0	3996.0
2015238224	25	339.0	3051.0
2015238224	26	420.0	3780.0
2015238224	27	389.0	3501.0

2.8 Receive Record

When manager enters manager home page, this page will be displayed to notify manager that some records have been received.