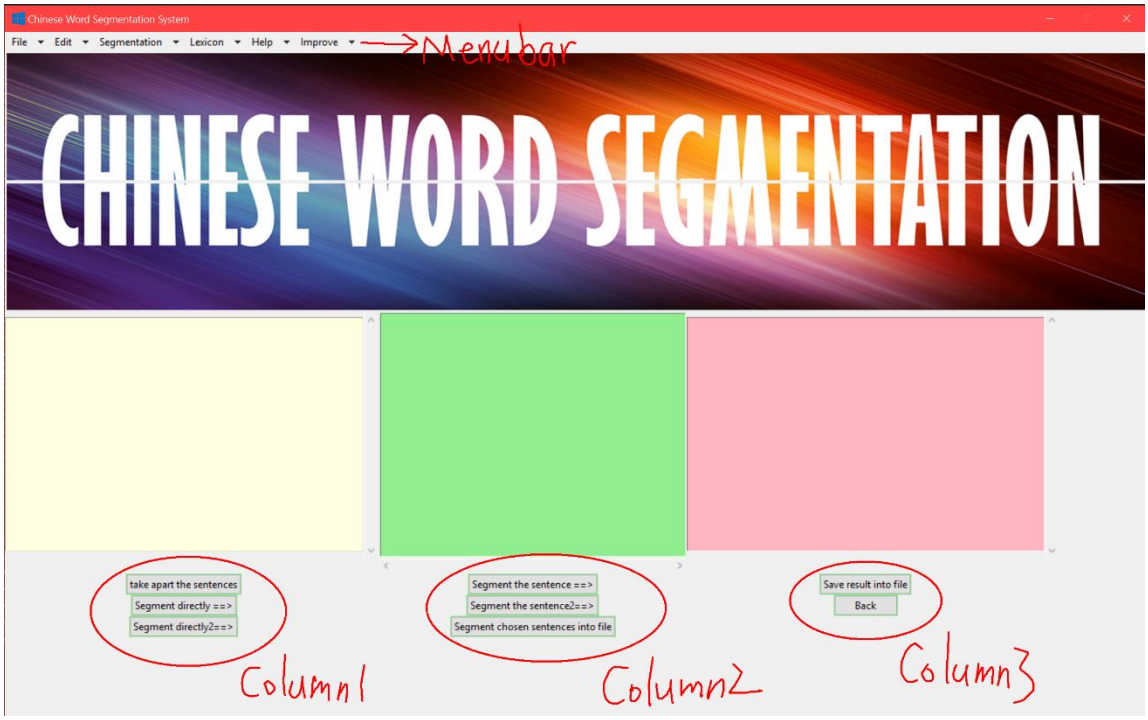
Detailed instruction

1. The instructions for the main user interface



G-1.1. The main UI

The function of the buttons in the first column:

1) **take apart the sentence**: used to take apart the paragraph into separated sentences and show the result in the list box.
2) **Segment directly==>**: using the first algorithm to separate the whole passage without taking apart it.
3) **Segment directly2==>**: using the second algorithm to separate the whole passage without taking apart it.

The function of the button in the second column:

1) **Segment the sentence==>**: using the first algorithm to separate the chosen sentences in the list box.
2) **Segment the sentence2==>**: using the second algorithm to separate the chosen sentences in the list box.
3) **Segment and save into file**: using the first algorithm to separate the chosen sentences in the list box and save the result into a chosen file. (Why I chose the first algorithm? OK, the first is more accurate!)

The function of the button in the third column:

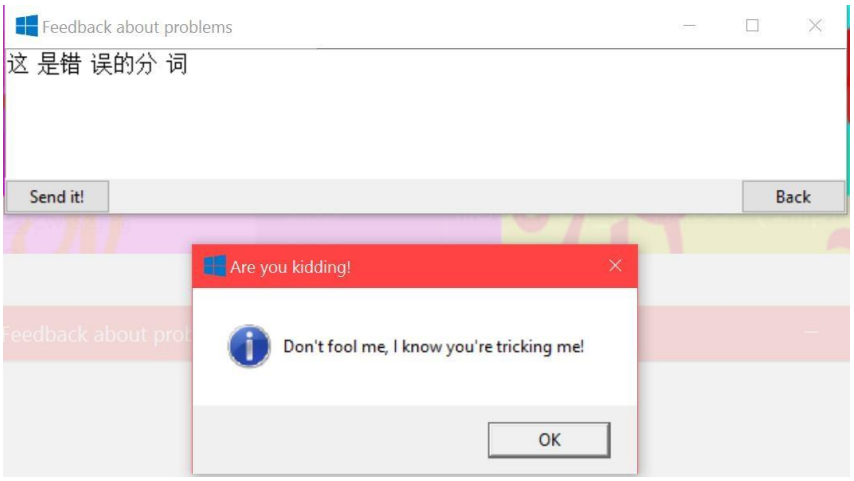
1) **Save result into file**: save the result into a file

2) **Back**: make the core UI hidden. And you can also just click at the menu and the back will automatically be activated.

2. **The Improve function**: This can be used when you find our segmentation is not correct or not accurate. There'll be a dialogue window if you click the button, in which you can input a correct segmentation of the sentence. (Don't trick us. We have a check system to find out whether you're tricking us)

G-2.1. Where to find it (Old Edition)

G-2.2. The dialogue window

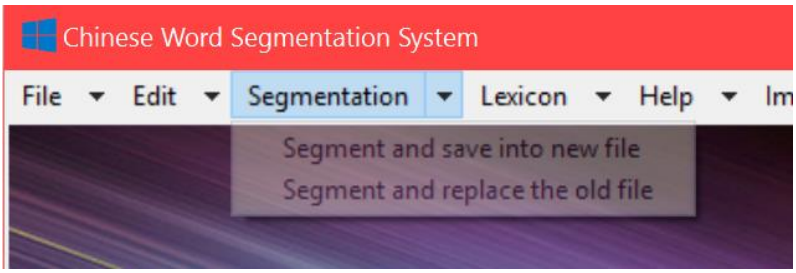


G-2.3. Don't trick us(Old Edition)

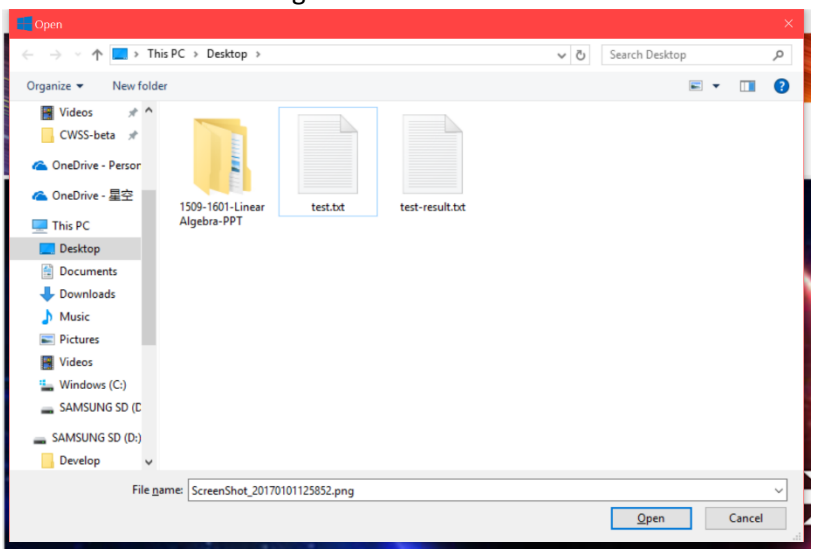
3. **Segmentation**:

1) **Segment and save into new file**: select a file which contains text. Then it'll be segmented and the result will be saved into a new file whose file name is the old one plus '-result'.

2) **Segment and replace the old file**: select a file which contains text. Then it'll be segmented and the result will be saved to the old file and cover the old text.



G3.1. Segmentation menu



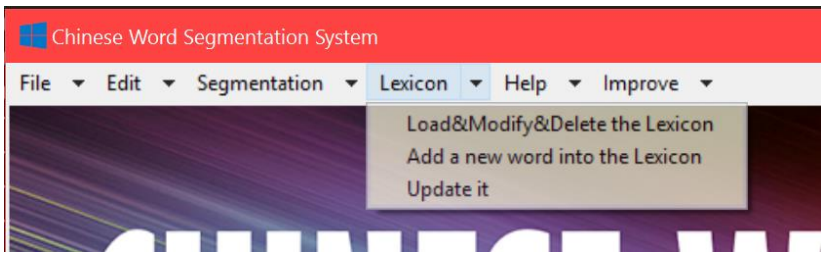
G3.2. select a file

4. **Lexicon**: operations about lexicon

    1) **Load&Modify&Delete the Lexicon**: We'll open it as txt.

    2) **Add a new word into the Lexicon**: an example will show in the information window, then just follow it.

    3) **Update it**: update the lexicon so that the software can use the latest lexicon.



G4.1.Lexicon menu

5. **Help**: Here you can get instruction or copyright information

G5.1. Help menu(old Edition)

Some other features

6. **The modules we use:**

```
import threading
import multiprocessing
import pickle
import time
import __main2__
from re import *
from string import *
from tkinter import *
from tkinter.filedialog import *
from tkinter.ttk import *
from tkinter.messagebox import *
from helph import*
import segfunc
import segfunc2
from fileh import *
from edith import *
# from os import *
```

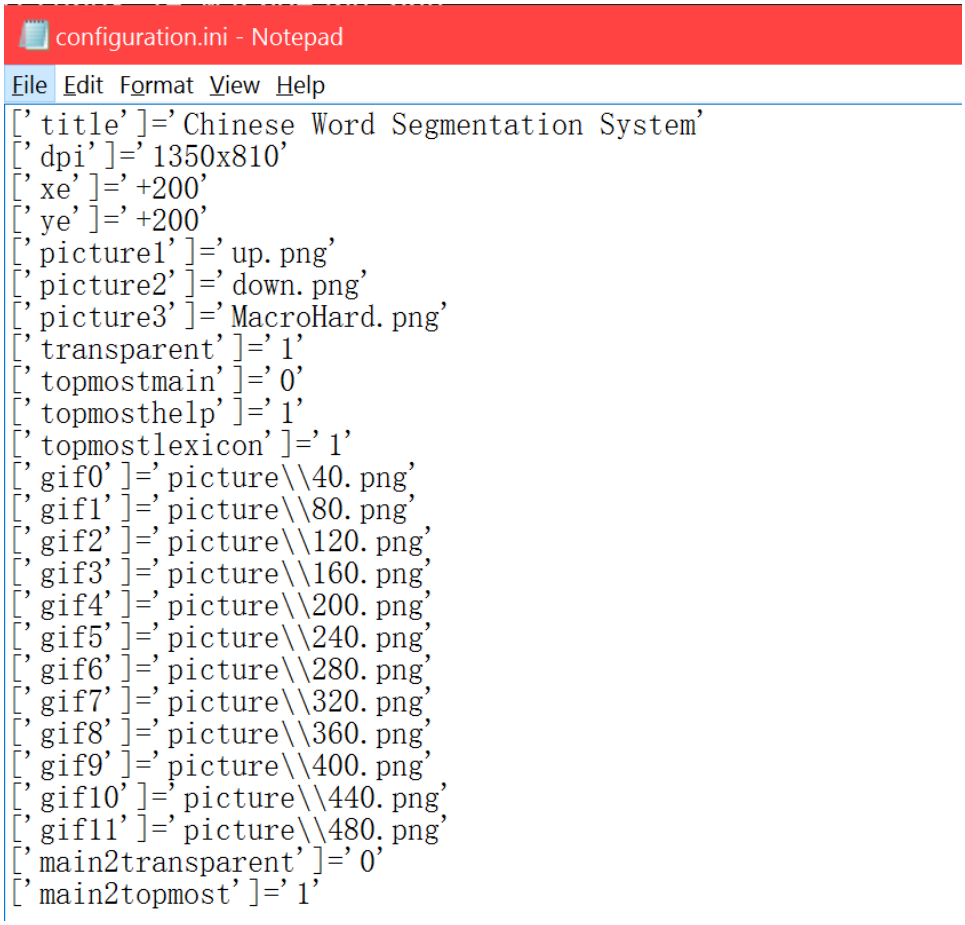
G6.1. Modules (1)

```
from tkinter import *
from tkinter.filedialog import *
from tkinter.ttk import *
from tkinter.messagebox import *
from segfunc import *
import os
import threading
```

G6.2. Modules (2)

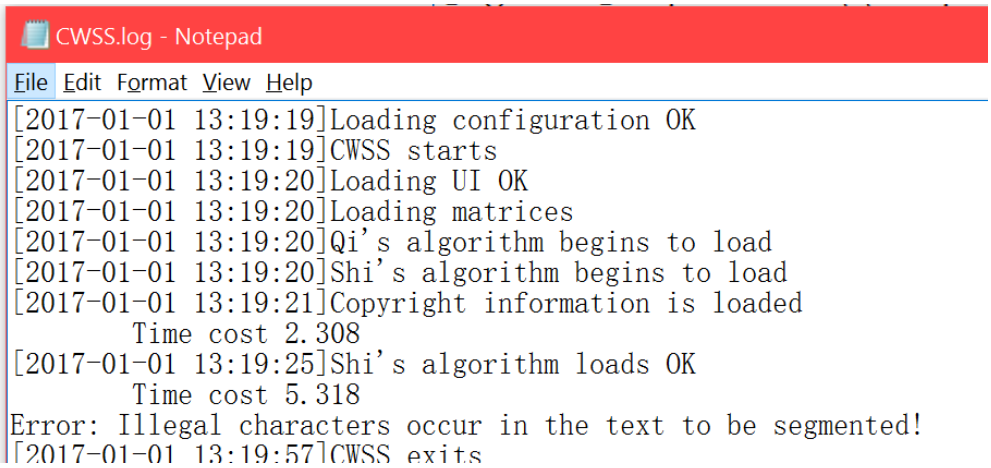
Note: We're using multithreading to keep the fluency when CWSS is lunched. There may be some bugs we haven't found.

7. Configuration file: Some configuration can be edited in this file, such as the title, dpi and so on



G7.1. configuration file

8. **Log file: It'll record the important process of the program, including unexpected error**



G8.1. An example of log file

9. **The source code is on the GitHub:**
   https://github.com/yyong119/Chinese-Words-Segmentation-System