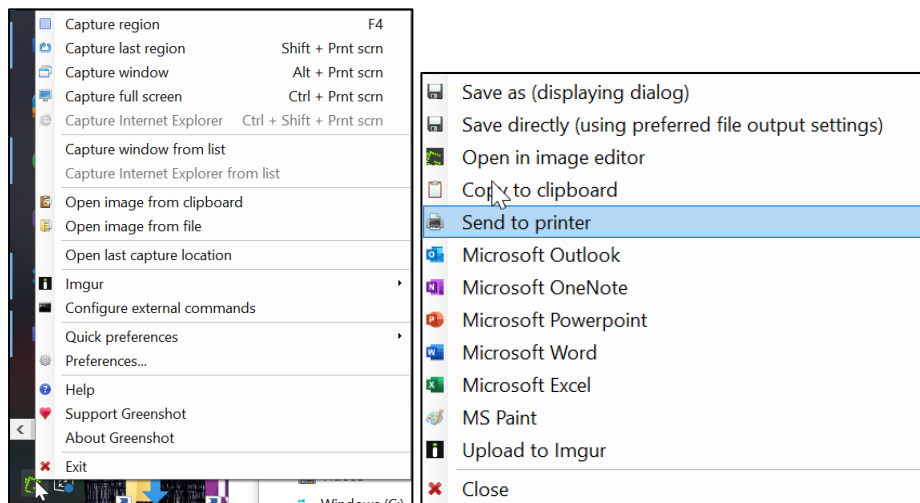# OCR Tool (ko_screenshot)

Description

This tool is used to extract text from images and output customer data. The purpose is to assist the daily work of the business team by getting information in pictures. It uses the OCR (Azure AI Vision Audio) to perform the extraction by automation (Selenium).

Preparation (Screenshots)

1. It is strongly suggested to use the Greenshot to capture the screenshots. The Greenshot is free and provides useful functions such as capturing the screenshots of the last region, magnifying glass, and saving directly in the preferred directory. It also provides the function of capturing the screenshots by pressing the 'Print Screen' button. Please make sure the Greenshots logo is on your toolbar before you start using the application.

   The Greenshot can be downloaded from the following link:
   https://getgreenshot.org

(menu in the toolbar, possible output options)

2. When capturing the screenshots, please make sure that the screenshots are clear and that other objects do not cover the text (Please note that the mouse will stay at the screen when using GreenShots).

3. Also, the addresses should be shown as a whole in the screenshot. (e.g. if the address is shown in two lines in the screenshot, the output data will have problems).

4. When there is empty space, it will affect the whole output. To prevent that, please add some text (like 'Not yet tested' in the left picture above). The screenshots should be in the format of '.png' or '.jpg'.
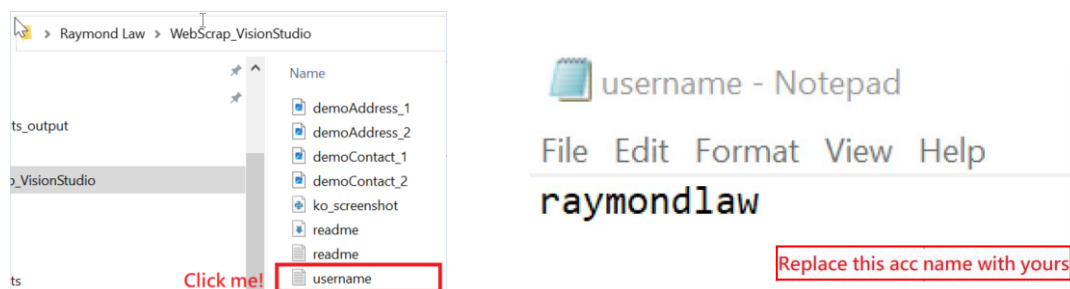
   Example of valid screenshots:

5. You may input any number of screenshots in the folders 'Greenshots_address' and 'Greenshots_contact'. However the output CSV file will leave the part as null if the screenshot does not provide the complete information. (e.g. if you do not input any photos in the folder 'Greenshots_address', the output csv file will only contain the information of 'Contact', 'Telephone Number' and 'Page'.)

Preparation (Others)

1. Please edit the text in the username.txt. Replace the '*raymondlaw*' and input your username, which is the account name when you log in to the computer.

HOW TO USE

(Please do not move the mouse cursor and input by keyboard before the browser is closed.)

1. The application will check the files in the pre-defined locations.If this is the first time to run the application. **IF the predefined directories has not been created, the application will automatically add following directories in 'C:{username}' with some demo pictures for testing:**

   – *../Pictures/Greenshots_input*

     • *../Pictures/Greenshots_input/Greenshots_address*
     • *../Pictures/Greenshots_input/Greenshots_address*
   – *../Pictures/Greenshots_output*

2. The application will run the OCR (Azure AI Vision Audio) in the website to perform the extraction by automation (Selenium). Please do not move the mouse cursor and input by keyboard before the browser is closed.

3. The application will save the output file in the *'../Pictures/Greenshots_output'* and it will be opened after the application is finished.

4. The pictures in the *Greenshots_address* and *Greenshots_contact* folders will be removed and duplicated to the new folders. Please check them in the *'../Pictures/Greenshots_input'* directory.

Example Output

- The ouput file has 5 columns: 'Chinese Address','English Address', Contact, 'Telephone Number', 'Page'
- The output file will be saved as a csv file in the '../Pictures/Greenshots_output'
- The output file will be opened after application is finished.

- **Please note that the Chinese address result is not accurate. The result is only for reference and the user should check the result by themselves.**

Error Handling

- If you see any error, please refer to the instructions of this file and check the following points:
    - The screenshots are prepared in the right folders
    - The screenshots are in the format of '.png' or '.jpg'.
    - The screenshots are in the folder 'Greenshots_address' and 'Greenshots_contact'.
- **Please do not move the mouse cursor and input by keyboard before the browser is closed.**

- If you find any bugs, please contact the developer.