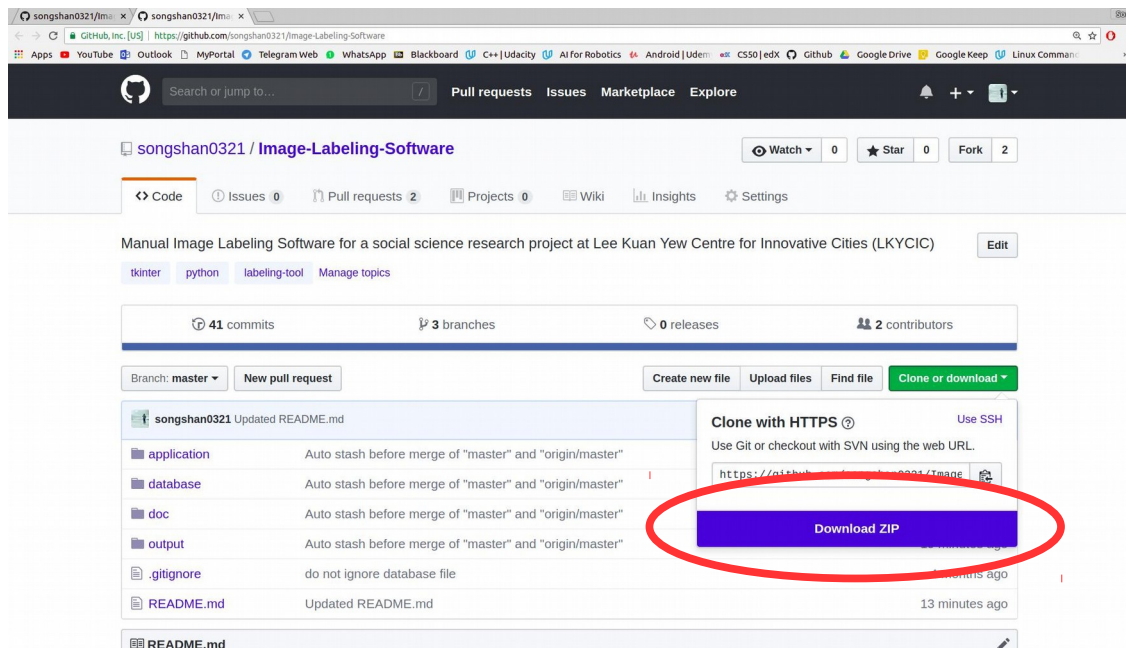


Manual Image Labeling Software for a social science research project at Lee Kuan Yew Centre for Innovative Cities (LKYCIC)

Instruction

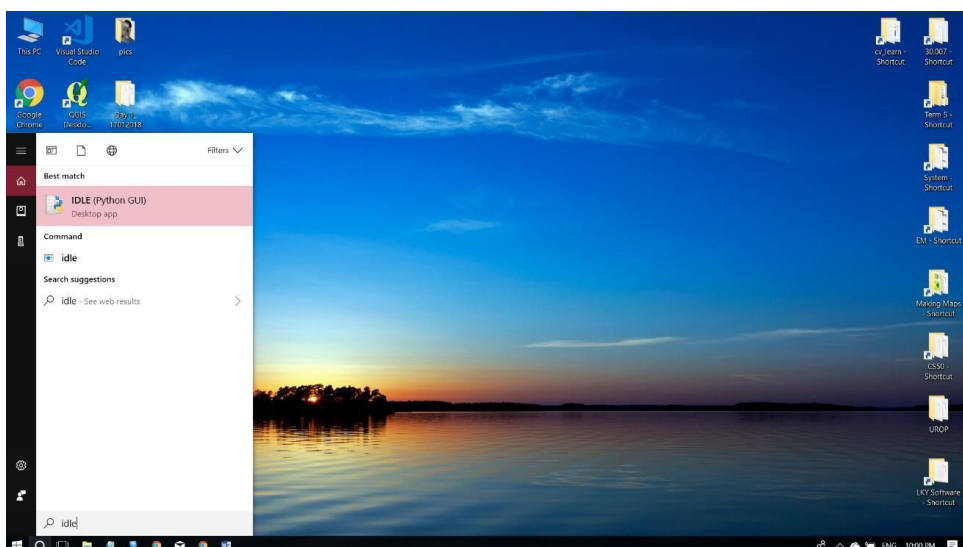
1. Download zip file from <https://github.com/songshan0321/Image-Labeling-Software.git> and unzip it.

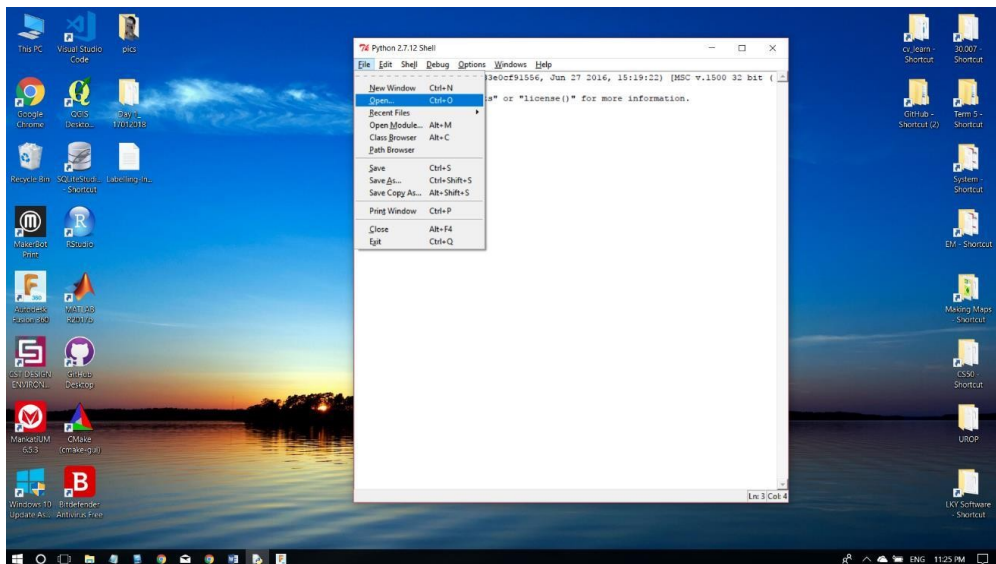


Attention: Please do not edit any file's directory and code in this folder. Make sure lkydata.db is inside database folder.

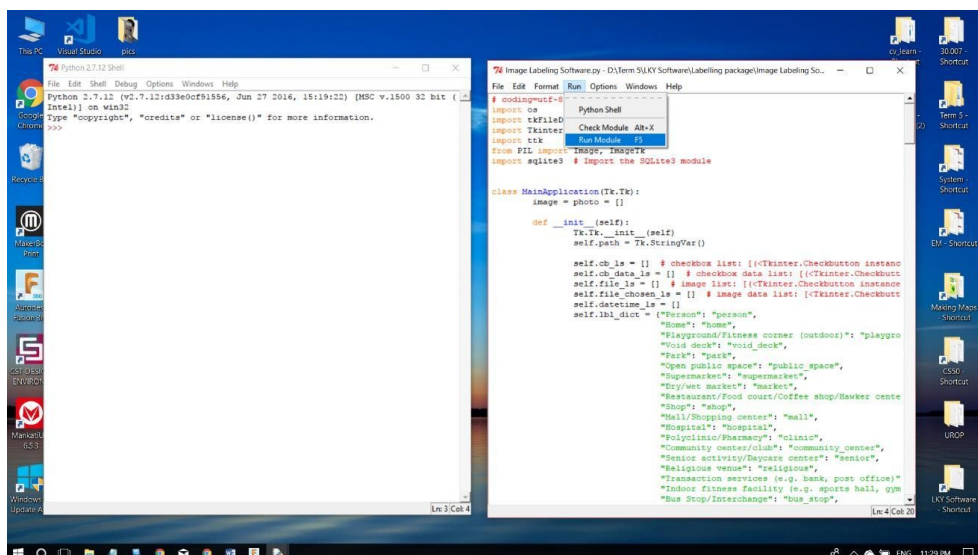
If python2.7 is not installed in your computer, Download and install Python2.7.14 from <https://www.python.org/downloads/>.

2. Open IDLE (Python GUI). Then, open application > imageLabelingSoftware.py.





3. Run program (Press F5). Now you will be able to see the software GUI.



For windows user, if you get this error, “ImportError: DLL load failed: The specified procedure could not be found.”, can run “Pillow-4.0.0.win32-py2.7.exe” in this repo.

4. After finish labeling work, click 'Export CSV' button, 'output_xxx.csv' file will be generated in 'output' folder.

P/S: Multiple CSV files will be created if you pressed button multiple times

If you want visualize database, can proceed to Step 5 .

5. (Optional) Download and install SQLitestudio. <https://sqlitestudio.pl/index.rvt?act=download>. Then, open SQLitestudio click Databse > Add a database, press the '+' button to add 'lkydat.db' and connect it to the database. At the left column, click Tables > attributes. You will be able to see the data here. Press F5 to refresh once you update the database.