File Automation GUI in Python

This is a python based GUI application which is based on tkinter library. The application is at it beginning stage and has the capability to search in all the drive of the computer for the files and finally merge all the required searched file into a single file.

The application is made user friendly by giving ease in search for the file. For example:

1. You can simply write the directory path and select the file extension, then press enter. This will result in all the files in the directory having that particular file extension.
2. If you only know few starting characters the files and knows the extension, then you can simply type the first few characters of the file and select the extension, then it will search all such files, and then you can finally merge them.
3. If you want to search in some particular drive, for e.g. D drive, then just write D:\ and select the file extension, and press enter. Your work is done.
4. If you want to search all the files having .png extension, then,
   1. Either select .png from the dropdown, or
   2. Type .png in the search bar, and press enter. Your work is done.
5. If you want to search all the files in in your PC or some directory, then just write the file path or just the file name without extension, and just press enter. It will search for you all the files having the name you have entered or atleast starting with that name.

Finally, when you get the search results, you have the option to merge all the files into one single file.

For e.g. You have 100 .png files in the search results, then you click the merge all button, then a new window is opened. That new window will contain a text box and a dropdown.

The dropdown will give you various options for the extensions in which you want to save the final merged file.

The textbox allows you to write the name and address of the final merged file.

Once you selected the extension and the file name and press enter, the merging process begins, and simultaneously, a log folder is created. Every time you start the application, all the logging details are written into the log files and a new log file is automatically created with the proper name and is kept into that log folder.

Once the merging process is completed, the success or failed message with some essential logging info is displayed on the screen.

Then you get an open button. When you click that open button, the merged file will open there itself, thus you don’t need to go to the specific file location to open that file.

One another feature is that, it allows you to merge the files into following extensions:

1. .txt
2. .docx
3. .pdf
4. .png
5. .jpg

Future updates will include even more functionalities.

Thank you.