

## Criterion E: Evaluation

This program should have a user-friendly GUI that allows the user to operate files easily.	A user-friendly GUI have been created, which the user can use to operate files.
This program should be able to be used at least on mac and windows.	The program can be executed on any device as long as java 1.8 is installed, which includes mac and windows. However, as javafx had been removed from future JRE, the library "JaudioTagger" and the whole program is being built under java 8, the potential incapability of a JRE version higher or lower than java 8 is unknown.
Replace some text "x" into some text "y" in the file's name.	Replace function that can replace specific text has done
Delete characters based on digit.	Delete character base on digit is workable, and the digit can start from either right or left.
Export the naming rules to a file, and the user can load the rules in the future.	The program can export naming rules to a *.rp (rename preference) file and load it in the future.
The user should be able to give the program a series of orders and let the program do altogether. For example, the user can enter a series of rules to operate the file name like "replace x with y -> delete the first 3 characters -> insert XXX".	Multiple command is supported.
Read some tag information of the music files and add it into the file name.	The program can read tag information include "Track", "Album", and "Artist" and insert those into file name.

Generally, the client is satisfied with the solution, as most of the needs are addressed.

## Recommendations for Further Development

- Currently, user can only load files through the file selector window, but it will be much better to allow user simply to drag and drop the file on the GUI to load the files. Such improvements can be implemented by adding on drop feature on file list on GUI, get the file path and import it into the program.
- When the user decided to delete characters from the right side, the name extension is included, but for different kinds of files, the length of name extension is different, which makes user having trouble with locating correct position through index started from right. The program can be solved by specified the name extension and ignore them in the whole file name operation.
- The rename operation can only be apply to every single file in the file list. It would be better if the user can select some of the file to perform rename operation first, and then perform other set of rules to other files. This feature can be implemented by loading the files that user selected into a List and only process those files in a time.
- The command in the task box cannot be deleted through simple GUI action. This feature can be easily implemented by adding a button to delete the last command in the text box.
- The files that added into the list cannot be deleted. This feature can be implemented by fetching the user selected file, find the file in the list and delete it.
- Currently, due to some unknown problem of javafx, as long as the program is compiled to a .jar file, the user can only execute by typing command in the terminal. If they want to execute program via double click, they have to download the executable file that is compiled specifically for their system. By keep researching the answer of it, I may implement this feature in the future, but because the reason is unknown, and seems to only happen on javafx program, the solution except rewrite GUI through swt or swing is unclear.

Word count: 632