

Criterion E – Evaluation

Was Criteria Met?

Success Criteria	Was it Achieved?	Support and Client-Feedback
<i>Present the user with easy-to-find and use commands; have clear instructions</i>	Yes	Client understood the program and stated, “it has a nice flow... it’s easy to understand” ¹
<i>Give the user some options to edit the image (ex. Crop, resize)</i>	Yes	Buttons for cropping and grayscale were fully operational
<i>Pre-process image data to make it more readable (convert inputted image to grayscale, filter out unwanted areas)</i>	Yes	Upon output, the image is processed to improve readability
<i>Scan the file and find all present tags</i>	No	Currently, the project requires manual work – however, my client stated, “this guarantees reliability” ²
<i>Provide a CSV file output</i>	Modified	After a consultation with my client in earlier stages, he stated a Excel file would be beneficial ³ ; upon viewing the output, he stated, “wow! I love the output technique...” ⁴
<i>Outputs the contents in an organised manner</i>	Yes	Client stated, “storing the tags looks great!” ⁵
<i>Inform the users of any potential errors during operation</i>	Yes	All user errors are met; client stated, “... they really helped me at the start” ⁶
<i>Have code/ideas that could be modified in the future</i>	Yes	Client stated, “we have another project we are working on and can implement these ideas to your current code” ⁷

¹ See Appendix C (Mr.S, 2021, L. 11)

² Ibid (Mr.S, 2021, L. 28-29)

³ See Appendix B (Mr.S, 2020, L. 11)

⁴ See Appendix C (Mr.S, 2021, L. 15)

⁵ Ibid (Mr.S, 2021, L. 15-16)

⁶ Ibid (Mr.S, 2021, L. 12-13)

⁷ Ibid (Mr.S, 2021, L. 27-28)

Future Development Ideas (see appendix C for discussion):

Speedier File Input

- The user identified that the inputting of files was slow at times during the processing period and indicated that I improve this performance⁸
 - This criticism is justifiable as some large PDF files I tested took upwards of **5 seconds** to process and be displayed – longer than anticipated
 - I could improve this in the future by modifying some of the non-essential processes in the inherited PDFBox libraries (ex. Reducing the DPI)

New Sorting Techniques

- My client greatly enjoyed the current sorting technique for the task at hand but suggested to me that implementing more sorting methods could increase the functionality of the program for new use cases⁹
 - This recommendation is justifiable as different sorting methods (ex. By file name) could help the user when other types of output are preferable
 - I believe I could implement a button that asks the user to select a sorting type and then sorts by comparing name strings

More Automation

- Although the user really enjoyed the reliability, he proposed more automation in the future as a development idea; he indicated that the entire file be read and all potential tags identified to the user, allowing them simply double tap on a potential tag to process it¹⁰

⁸ Ibid (Mr.S, 2021, L. 21-22)

⁹ Ibid (Mr.S, 2021, L. 21)

¹⁰ Ibid (Mr.S, 2021, L. 25)

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- This idea is justified as I told my client that my program can read entire documents but was unable to differentiate between a tag and other piece of information, he said this could be an **extension**
- As I continue to study machine learning, I believe I can create an algorithm that will allow me to achieve this vision by sorting tags

374 Words