

Defect Tracking

These are the defects that were still present in the prototype from Project 3.

1. **Date reported:** Nov. 5, 2021
Reported by: Edina
Description: Code needs to account for differently-sized image files, and adjust font size and line spacing in the output file accordingly. Right now it works only for similarly-sized input image files.
Date fixed: Nov. 17, 2021
Fixed by: Alex
How fixed: Used a multiplication factor to derive font size and line spacing from the input image size
2. **Date reported:** Nov. 5, 2021
Reported by: Edina
Description: There is only one choice of font (Arial) and only black. This would be especially bad in a black or very dark background. We need to give font style options.
Dated fixed: Nov. 17, 2021
Fixed by: George and Edina
How fixed: Added two more font choices (Times New Roman and Comic Sans) and 4 color choices (black, red, blue, pink)
3. **Date reported:** Nov. 7, 2021
Reported by: Edina
Description: Error-checking for bad user input
Date fixed: Nov. 17, 2021
Fixed by: George and Edina
How fixed: Added `while` loops that repeatedly ask for user input, with error message, until an acceptable entry is made.
4. **Date reported:** Nov. 7, 2021
Reported by: Edina
Description: Translator and output are optimized for Chinese input. For Latin text, the line split is not optimal. The split is based on words in the input file.
Date fixed: We did not fix this.
5. **Date reported:** Nov. 15, 2021
Reported by: George
Description: Error checking for user input for file path and file name causes program to quit with error message correctly informing the user but not allowing user to fix without restarting.
Date fixed: Nov 17, 2021
Fixed by: Edina
How fixed: Added a `while` loop that repeatedly asks for user input, with error message, until an acceptable entry is made.

6. **Date reported:** Nov. 16, 2021
Reported by: Edina
Description: The button for linking our .ipynb file (Jupyter Notebook) to Google Colaboratory is broken. This is keeping us from using the shared notebook properly. Also, our Readme instructions currently would not work for people wanting to use the software via Colab.
Date fixed: Not yet fixed. This is a GitHub issue that affect links throughout GitHub. Added a note in the Readme about the issue, and added a link directly to the Colab file in Edina's Google Drive, in case the link to the GitHub Colab file stays broken or breaks again later.
7. **Date reported:** Nov. 17, 2021
Reported by: George
Description: The test suite for testing or software works only in the Jupyter Notebook hosted in Colab, but not in the .py file run on local machine.
Date fixed: Nov. 17, 2021
Fixed by: Edina
How fixed: The file path for the test file was hard-coded as an absolute path that only works for the virtual machine that hosts the Colab notebook. Fixed by using relative path rather than absolute path.
8. **Date reported:** Nov. 17, 2021
Reported by: Edina
Description: If the input file is very small, the output image file is hard or impossible to read. This is probably because PIL/Pillow (Python imaging library) by default outputs a low resolution, low quality JPEG file, which does not work well for very small font.
Date fixed: we did not fix this. The input file should not be tiny, or else for small input files, the output should not match the size but be bigger.
9. **Date reported:** Nov. 18, 2021
Reported by: Mac
Description: The output to screen from the test suite is just "Passed!" or "Failed!" for each test, but it does not say what exactly the problem is. Need more information in the output messages.
Date fixed: Nov. 18, 2021
Fixed by: Mac
How fixed: Added descriptive output messages.
10. **Date reported:** (Add to this list, if we find any more bugs.)