

## Working Prototype and Known Problems Report

**Product name:** Automatic Cell Counting

**Team name:** Cell Counting Project

**Date:** 06/01/2021

List of functions not working correctly:

- The “Next” button when using the browse directory function does not go away if the user then tries to open a specific image for predicting.
  - Steps to reproduce:
    - 1. User must open a directory with at least 1 image in it
      - User should see the download buttons as well as the next image button
    - 2. User must then browse for a specific image
    - 3. The user will see the download buttons as well as the next image button
  - Location of fault:
    - counterUI.py function named browseDirectory
  - Possible action for removal of fault:
    - Change the code to use button classes which can remove themselves from the window
- Browsing directory causes the terminal to not exit the program even if the tkinter window is closed because of the while loop. This loop cannot be exited by ctrl+c. The user must exit out of the terminal to end it.
  - Steps to reproduce:
    - 1. User must open a directory with at least 1 image in it
    - 2. User must then close the tkinter window
    - 3. The user will see that the program has not terminated inside the command prompt
  - Location of fault:
    - counterUI.py function named indexLoop
  - Possible actions for removal of fault:
    - Change the loop to not go back to the beginning of the directory
    - Change the functionality to not use a while loop that waits- instead just iterate the next image in the list
- Browsing for a specific image causes the terminal to not exit the program even if the window is closed. This unintended functionality was found when testing in a fresh environment. It did not occur in the environment we had previously set up and had tested in. This loop is able to be broken by ctrl+c.
  - Steps to reproduce:
    - 1. User must browse for a specific image
    - 2. User must then close the tkinter window

- 3. The user will see that the program has not terminated inside the command prompt
- Location of fault:
  - Unknown
- Possible actions for removal of fault:
  - Unknown