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7/26/2017

>>This file contains some errors and observations that I found while doing research in the summer of 2017.

Summer Research Report:

1. The JAVA GUI: Some inconsistency in registering the counts.

Problems noticed: On July 25, 2017, I ran the GUI and started taking counts and writing it to file at 15:58 PM. It was all fine until 15:27, when the GUI started showing 0 counts on windows A, B, and AB. It kept on showing 0 for a while before it momentarily switches back to working in a normal mode again, but after a while showed 0 again. The GUI had inconsistency like this for a while and after some time, it went to 0 for good.

On July 26, 2017, I ran the GUI again (this time I prioritized the GUI from normal to high mode) and started taking counts and writing to file again; right now, it is 2:17 PM of July 27, 2017 and it is still working well and showing correct counts. The GUI ran properly until 23:18:50 of July 27, 2017 and it went to flat 0.

On July 28, 2017, Prof. Branning noticed that the power plug in the CCM was loose and hence, faulty power supply could have been the source of the problem all these times. Hence, on July 28, 2017, testGUI6 was run at around 11 AM (exact time can be found by referring to file testGUI6). The test is still running and going good so far (exactly 3 PM).

**SETTING GUI ON HIGH PRIORITY MODE**

Steps

1. Open **task manager**
2. Go to **Applications** and right click **COINCIDE** and then click “**Go to process**”
3. Right click on javaw.exe and set priority to high

Note: I really do not know if the trick with the GUI was to just set it to high priority mode but it seems to be working so far. (UPDATED AT 2:27 PM 7/27/17)