Michael Thompson
EECS 397
November 27, 2019

The files I am submitting today are far enough for me to start writing embedded code to test the gui. The gui should send serial commands down the com port for another device to interpret. So now I need to interpret them.

The next step will be to receive acknowledgements back from a microcontroller and update the gui accordingly. For example, if you connect to a com port now, and you try to connect again, you crash the code. In the future, I need to receive an acknowledgement, and then disable the connect button/change to a disconnect button. That way I don't have to restart the entire program every time I want to switch devices.

Following that I will need to learn how to display the data that gets read in from the microcontroller. This will go in the very astutely placed "DATA GOES HERE" section of the gui.

I had a bunch of issues setting up the virtual environment for this project, mostly because I accidently installed serial instead of pyserial on pycharm. For some reason pycharm does not like to forget what it has installed so I had a nice headache trying to get that sorted out.

TKinter can be annoying to install properly and get going so I used pyinstaller to generate an executable along with the source code so that the demo will launch properly. Located in FinalProject/dist/logic_analyzer.exe

If .exe aren't your thing then running logic_analyzer.py should get everything up and going, you will need to install pyserial 3.4 or greater and tkinter.