User Guide

Menu.py is the main application that gives access to the other files in the system. Menu.py opens the files COUNTDOWN\_TIMER.py and stopwatchGui.py. stopwatchGui.py uses the classes found inside of stopwatch.py to do most of its functions. The two classes inside of stopwatch.py are stopwatch and lap. Stopwatch is to handle the main stopwatch function that keeps track of time and how much time is paused. The lap function stores the data for the lap labels that displays how much time is passed. Stopwatch.py also talks with the time.db file to store data for if the program is closed without the ending button hit. The database stores when the stopwatch started as a floating-point number, and how long it was paused for if at all. This allows me to calculate the value after the time passed and what time should be there. It also stores any time that has been used to lap. I however could not get the timer to start automatically after opening it so the timer will display the time but it won’t start automatically, so pressing the begin button to get it to start is required. If there are other glitches in the program, which there probably are, I did not encounter them so they are not fixed. For COUNTDOWN\_TIMER.py you input the amount of hours, minutes, and seconds that are wanted in there respective slots and press start. You can also pause the countdown at any time. You can also restart the program on the COUNTDOWN\_TIMER.py if anything decided to go wrong.