MET CS 521 – Fall 1 - Final Project

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Project Name: TimeLoggr

TimeLoggr is a digital punch clock to help you log and track hours worked, rested, or lunched!

The application takes in user input consisting of:

*1. Command -> 2.Task/activity name -> 3. Time -> 4. Date*

TimeLoggr will log all tasks to a working file. The user is then able to query the file for information, including, a summary of all tasks logged, summary of all tasks with a specific name, a summary of total hours for all tasks, or a summary of total hours for a specific task.

The idea behind TimeLoggr, is that you can keep an individualized record of time worked. This was born out of the need to log time for multiple projects in a much more automated fashion. Currently, for work, I have to look at my Google calendar and determine how many hours I have worked on projects or pay for an App like Toggl. TimeLoggr gives me freedom to log tasks immediately after they happen, and then, when needed, import the active list to a txt file for use outside of the application.

TimeLoggr consists of the following:

**TimeLoggrApp.py** = This is the ‘controller’ for the entire program. The entire app will be ran from this file. This handles startup, user input, direction of input to the appropriate class, and holds the majority of the error handling/unit testing.

**TimeLoggrTask.py** = This is the Get/Set file that handles logging of tasks to a working file, as well as getting tasks for retrieval from the working file.

**TImeLoggrSums.py** = This handles logic dealing with summarizing total times for all tasks, or specific tasks by name.

**TimeLoggrReport.py** = This handles setting tasks to a txt file for export, as well as clearing all tasks from the active working file.

**TimeLoggrMenu.py** = This holds Initial startup menus and help menus for UI/UX assistance to the user.

Instructions for use:

1. Locate the TimeLoggrApp.py file
2. Select ‘Run TimeLoggrApp’
3. Follow on screen directions and log your hours!