ASE 420 HW8 - Time Tracker

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Overview

- A CLI app to help track your time
- Feature rich with commands such as record new entry, query entry, and report generation

```
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record 2023/12/10 12:00pm 1:00pm 'studied date' STUDY
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record today 12:00PM 1:00PM 'studied today' :STUDY
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record today 12:00PM 1:00PM 'studied java' :STUDY
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py report 2023/1/1 today
Report of activities between 2023/1/1 and today

12:00PM 01:00PM studied date STUDY
12:00PM 01:00PM studied date STUDY
12:00PM 01:00PM studied today :STUDY
12:00PM 01:00PM studied java :STUDY
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8>
```

Feature 1: Record

- The record feature allows you to input a task that you have completed in order to keep track of it.

```
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record today 1:00 2:00 'studied software design' :STUDY
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record 2023/12/3 12:00pm 3:00pm 'studied cross-platform development' :STUDY
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py record 2023/1/4 1:00PM 2:00PM 'went for a run' :FITNESS
Entry added!
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8>
```

Feature 2: Query

- The query feature allows you to search for all entries by a specific date, task, or tag.

```
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py query :STUDY
Query Results for ":STUDY"

2023/12/10 01:00AM 02:00AM studied software design :STUDY
2023/12/03 12:00PM 03:00PM studied cross-platform development :STUDY
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8>
```

Feature 3: Report

- The report feature allows you to generate a report of your activity between two dates.

```
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py report  2023/1/1 today
Report of activities between 2023/1/1 and today

01:00AM 02:00AM studied software design :STUDY
12:00PM 03:00PM studied cross-platform development :STUDY
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8>
```

Feature 4: Priority

- The priority command allows you to generate a list of the amount of hours you have spent on each task in descending order of number of hours.

```
PS C:\Users\siwrm\Documents\GitHub\SD-Oneal-Andrew-HW8> python timetracker.py priority
Priority List

studied cross-platform development: 3.0 Total Hours
went for a run: 1.0 Total Hours
studied software design: 1.0 Total Hours
```