



Personal Time-Management Application

By: Julianna Truitt

Features

- Record
- Query
- Report
- Priority

Record

- Allows you to enter an entity to the database of the time management application

Command Prompt

```
C:\Users\Juls\PycharmProjects\Individual_project>python main.py record today 4:00pm 6:00pm 'Babysit my neices and nephew' :work  
recorded entry into table WORK
```

```
C:\Users\Juls\PycharmProjects\Individual_project>python main.py record 2023/12/25 10:00am 6:00pm 'celebrate Christmas with family' :holiday  
table created and entry recorded
```

```
C:\Users\Juls\PycharmProjects\Individual_project>python main.py record 2023/12/25 8:00 9:00 'workout' :WORKOUT  
table created and entry recorded
```

Query

- Allows users to get entite(s) or a table back from the database.

```
C:\Users\Julis\PycharmProjects\Individual_project>python main.py query :work
```

Query Table: WORK

Date	Start Time	End Time	Task
2023/11/17	1:00pm	8:00pm	babysit
2023/11/17	8:00pm	10:00pm	babysit again
2023/12/08	2:00pm	5:00pm	babysit kids
2023/12/08	4:00pm	6:00pm	Babysit my neices and nephew

```
C:\Users\Julis\PycharmProjects\Individual_project>python main.py query 'study'
```

Query Rows that Contain Value: study

Date	Start Time	End Time	Task
2023/10/31	6:00	8:00	study for test
2023/11/01	6:00pm	5:00am	study for midterm
2023/11/02	6:00pm	10:00pm	study for second midterm
2023/11/05	1:00pm	10:00pm	study for second midterm
2023/11/10	1:00pm	10:00pm	study for second midterm
2023/11/19	1:00pm	10:00pm	study for second midterm
2023/10/31	6:00	8:00	study for test
2023/12/07	11:30am	2:00pm	study in the library

```
C:\Users\Julis\PycharmProjects\Individual_project>python main.py query 2023/12/22
```

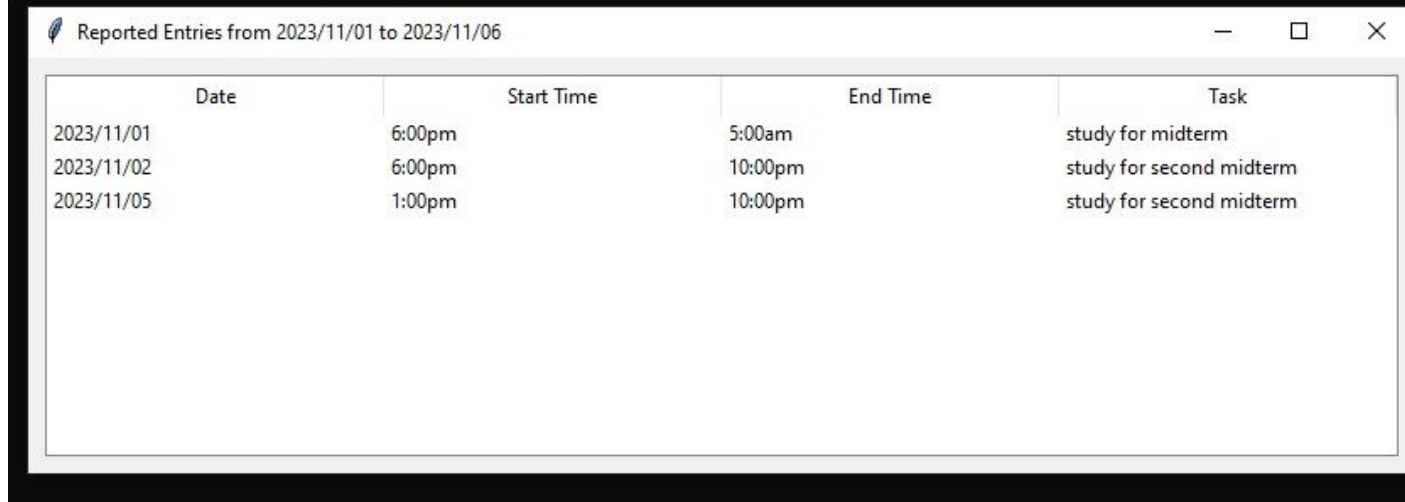
Query Rows that Contain Value: 2023/12/22

Date	Start Time	End Time	Task
2023/12/22	3:00pm	5:00pm	have dinner with sister
2023/12/22	12:00pm	2:00pm	run errands with mom
2023/12/22	8:00	10:00	read book and watch shows on tv

Report

- Allows you to report all entities between two specified dates.

```
C:\Users\Juls\PycharmProjects\Individual_project>python main.py report 2023/11/01 2023/11/06
```



The screenshot shows a terminal window with a command prompt and a window titled "Reported Entries from 2023/11/01 to 2023/11/06". The window contains a table with four columns: Date, Start Time, End Time, and Task. The table lists three study tasks for the dates 2023/11/01, 2023/11/02, and 2023/11/05.

Date	Start Time	End Time	Task
2023/11/01	6:00pm	5:00am	study for midterm
2023/11/02	6:00pm	10:00pm	study for second midterm
2023/11/05	1:00pm	10:00pm	study for second midterm

Priority

- Prints the top tables you spent the most time in collectively.
- Prints the top three activities you spent time doing.

```
C:\Users\Juls\PycharmProjects\Individual_project>python main.py priority
Time most spend doing tasks in the tag: STUDY --> 2 days, 10:30:00 hours
Activity you spent the most time on is: 'work on individual project for ase420' in the HOMEWORK tag--> 14:00:00 hours
Activity you spent the next most time on is: 'study for midterm' in the STUDY tag--> 11:00:00 hours
Activity you spent the next most time on is: 'study for second midterm' in the STUDY tag--> 9:00:00 hours
```

Testing

- 22 unit tests completed

For More Information

- Read the user manual to get learn how to format each command and get a more detailed description!