



# Time Tracker

Bryce Bien



```
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py record today 09:00 10:00 'studied python' :STUDY
Recorded Record: 2023/12/08, 09:00, 10:00, 'studied python', :STUDY
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py record 12/10/2023 10:00am 12:00pm 'exercise' :WORKOUT
Recorded Record: 2023/12/10, 10:00am, 12:00pm, 'exercise', :WORKOUT
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py record 2023/12/13 9:00am 2:00pm 'finished homework' :homework
Recorded Record: 2023/12/13, 9:00am, 2:00pm, 'finished homework', :HOMEWORK
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> |
```

# Record Activities

- Record activities simply and quickly through CUI
- Flexibility in date format
- Flexibility in time format

```
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py query today
(1, '2023/12/08', '09:00', '10:00', 'studied python', ':STUDY')
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py query 12/10/2023
(2, '2023/12/10', '10:00am', '12:00pm', 'exercise', ':WORKOUT')
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py query 2023/12/13
(3, '2023/12/13', '9:00am', '2:00pm', 'finished homework', ':HOMEWORK')
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py query 'exercise'
(2, '2023/12/10', '10:00am', '12:00pm', 'exercise', ':WORKOUT')
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py query :study
(1, '2023/12/08', '09:00', '10:00', 'studied python', ':STUDY')
```

# Query Activities

- Query by Date, Task, Tag
- Flexibility in format

```
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py report today 12/13/2023
2023/12/08:
(1, '2023/12/08', '09:00', '10:00', 'studied python', ':STUDY')
2023/12/09:
No records found
2023/12/10:
(2, '2023/12/10', '10:00am', '12:00pm', 'exercise', ':WORKOUT')
2023/12/11:
No records found
2023/12/12:
No records found
2023/12/13:
(3, '2023/12/13', '9:00am', '2:00pm', 'finished homework', ':HOMEWORK')
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> █
```

# Report Activities

- Print activities you completed in a date range
- Flexibility in date format

```
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> python .\program.py priority
Tasks that took the most time from most to least:
(3, '2023/12/13', '9:00am', '2:00pm', 'finished homework', ':HOMEWORK')
(2, '2023/12/10', '10:00am', '12:00pm', 'exercise', ':WORKOUT')
(1, '2023/12/08', '09:00', '10:00', 'studied python', ':STUDY')
```

# Priority Activities

- See a report of activities that took most of your time
- Simple 'priority' command

```
PS C:\Users\bryce\ASE420\Assignments\IndividualProject> pytest
===== test session starts =====
platform win32 -- Python 3.12.0, pytest-7.4.3, pluggy-1.3.0
rootdir: C:\Users\bryce\ASE420\Assignments\IndividualProject
collected 12 items

test\test_commands.py ..... [ 58%]
test\test_utility.py ..... [100%]

===== 12 passed in 0.15s =====
```

# Testing

- 12-unit tests
- 1 regression test