TIME TRACKING APP

V2 Features

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Introduction

Tasked with creating a time tracking app that allows a user to input records or search by task, tag, or time.

- Select 1 to create new record

- Select 2 to search database

Record Creation

```
What would you like to do?

Enter 1 to input information.
Enter 2 to search for information.
Enter your choice 1 - 2: 1
Enter Date (YYYY/MM/DD): 2023/01/01
Enter Time from (HH:MM AM/PM): 11:00 am
Enter Time to (HH:MM AM/PM): 11:00 pm
Enter Task: study
Enter Tag: school
Time recorded successfully!
```

- When creating a new record you are asked to input date, time, name of task, and the tag.

- A message displays indicating successful record creation.

Search Functionality

```
What would you like to do?

Enter 1 to input information.
Enter 2 to search for information.
Enter your choice 1 - 2: 2
Choose the type of query:

Date
Task
Tag
Enter your choice (date, task, or tag): date
Enter the date: 2023/01/01

Query Results:
(2, '2023/01/01', '11:00', '23:00', 'study', 'school')
```

- After selecting option 2 user can search database by typing one of the following:

Date

Task

Tag

- It will display the results for the specified query.

Date Range


```
What would you like to do?

Enter 1 to input information.
Enter 2 to search for information.
Enter your choice 1 - 2: 2
Choose the type of query:

Date
Task
Tag
Date Range
Priority
Enter your choice (date, task, tag, range, priority): range
Enter the date range (YYYY/MM/DD-YYYY/MM/DD)2020/01/01-2024/12/31

Report Results:
(4, '2023/01/01', '11:00', '12:00', 'study', 'school')
(5, '2023/03/01', '11:00', '23:00', 'study', 'school')
(6, '2022/01/03', '00:00', '15:00', 'rest', 'rest')
```

- This feature allows a user to input from and to date, and have the program display all records that occurred during that time.

Priority

```
What would you like to do?

Enter 1 to input information.
Enter 2 to search for information.
Enter your choice 1 - 2: 2
Choose the type of query:

Date
Task
Tag
Date Range
Priority
Enter your choice (date, task, tag, range, priority): priority

Report results:
(Task Tag, Time in minutes)
['rest', 900]
['school', 780]
['2', 720]
['1', 79]
```

The Priority feature allows the user to see the task and tag where most time was spent.

- The time is displayed in minutes.

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Test Completion

- 1 regression test completed

- 2 integration tests completed

- 2 acceptance tests completed

- 13 unit tests completed

```
=================================== test session starts ===================================
platform linux -- Python 3.10.13, pytest-7.4.3, pluggy-1.3.0
rootdir: /workspaces/ASE420-Individual-Project
plugins: anyio-4.0.0
collected 13 items

test/test_utility.py ......%........                                                  [100%]

=================================== 13 passed in 1.12s ====================================
```