

Activity-Tracker

Develop an activity-tracker, that can monitor your process and help you visualize the time you spent on different apps

Code Tree

activity_tracker/

core/

__init__.py

process_tracker.py

进程追踪功能

windows/

__init__.py

windowscore_tracker.py

macos/

__init__.py

macos_tracker.py

linux/core

__init__.py

linux_tracker.py

data_analysis.py

分析数据

database.py

数据库操作

config.py

配置文件

test.py

run a small test

tracker.py

主程core序

To be added:

tray_app.py

process_tracker.py

responsible to track all the process info

- ☒ foreground_windows : to be completed in subclassed
- ☒ background_process

Subclasses:

- windows_tracker**: implement this first
- macos_tracker
- linux_tracker

database.py

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responsible to store all the information from **tracker** in database

- ☐ init_database
- ☐ save_activity

data_analysis.py

Analyze all the collected data , for some apps might now run in the foreground, like some audio players.

test.py & main.py

run a simple instance on test.py

Developing Plan

1. Implement the **tracker**, *Windows* part first, then try mac/linux
2. Handle the data collected from **tracker**,
 1. init database
 2. analyze data in the base
3. Get the analysis **visualized**

```
process_tracker -> windows_tracker -> database -> test.py -> visualize.py
```