DAILY PLANNER

FINAL PROJECT PRESENTATION

Kai-Jun Huang, Chih-Hua Zhang, Wei-Tsung Wang, Yu-Ming Xu

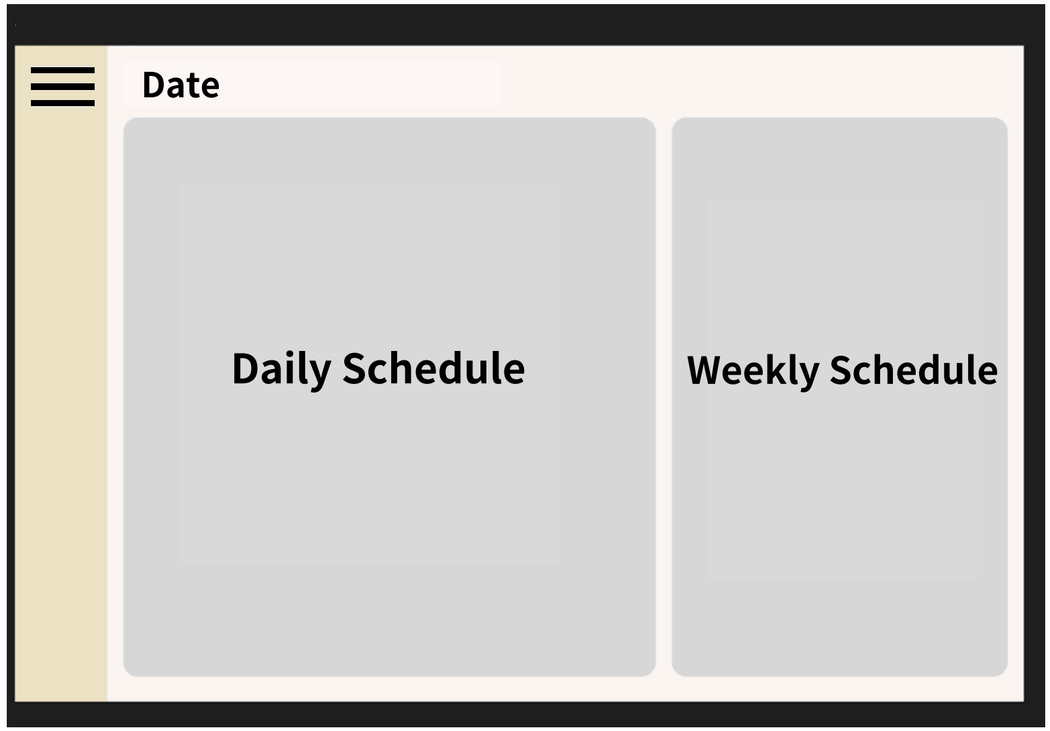
➢ SURVEY

According to our survey results, some students believe that using a to-do list app with a weekly plan function can significantly improve their time management efficiency. The app helps them plan their weekly study and life tasks more clearly, allowing them to keep track of all tasks during busy semesters. Specifically, the weekly plan helps them allocate time and complete tasks more efficiently.

➢ SURVEY

We expect that, for some students, our to-do list app with both daily and weekly planning features will be an effective tool, especially for planning academic tasks and daily schedules. However, the compatibility of the app with their personal habits remains a key factor influencing its effectiveness.

➢ SOLUTION-OBJECTIVE



Our goal is to create a functional TODO list app with an interface that allows users to easily select a target date, accompanied by a minimalist design for daily and weekly views.

➢ SOLUTION-

DESIGN PHILOSOPHIES

This topic stems from our observation that many to-do apps on the market primarily focus on daily scheduling while giving less attention to weekly planning. This often makes it difficult for users to allocate time for long-term tasks. Therefore, we aim to provide a more comprehensive solution that improves both work efficiency and quality of life.

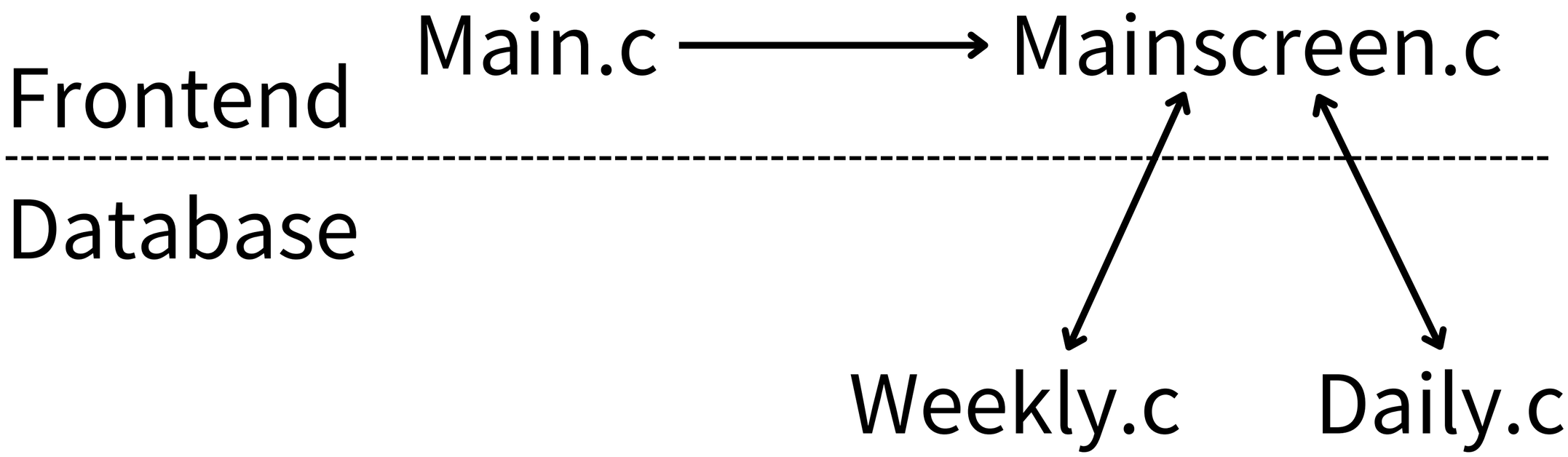
➢ SOLUTION-

DESIGN PHILOSOPHIES

Our goal is to create a to-do list app that combines both daily and weekly planning, enabling users to clearly organize their tasks for the entire week and avoid time pressure or the risk of missing important items. Ultimately, such a tool will make it easier for users to plan their time, enhancing both work predictability and effectiveness.

➢ SOLUTION-

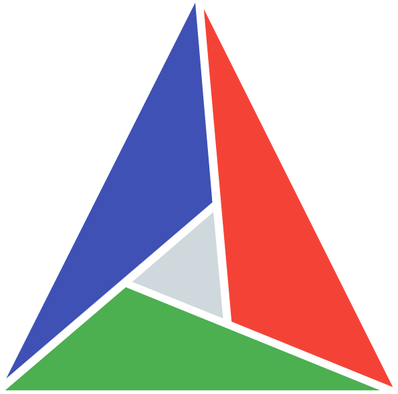
SYSTEM ARCHITECTURE



➢ IMPLEMENTATION ARCHITECTURE

What is CMakeLists.txt?

- **CMake Configuration File**
- **Project Name, Source Files...**



What is CMake?

- **Cross-Platform build tool**
- **Generate platform-specific build flies (Makeflies or Visual Studio project files)**

➢ IMPLEMENTATION ARCHITECTURE

What does main.c do?

- **Entry point of the program**
- **Define the core structure of application**
- **Load UI and CSS file**

➢ IMPLEMENTATION ARCHITECTURE

What does MainScreen.ui do?

- **Defines components use in Main Screen**
- **Drawer, Buttons, Menu...**

What does MainScreen.css do?

- **Styling Main Screen**
- **Border radius, Margins, Background color...**

➢ IMPLEMENTATION ARCHITECTURE

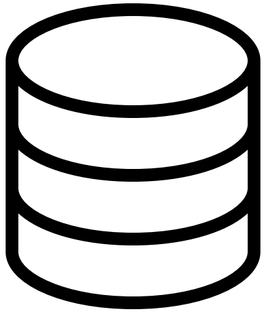
What does MainScreen.h do?

- **Provides the interface MainScreen function in MainScreen.c to main.c**

What does MainScreen.c do?

- **Animations, Data Processing...**

➢ IMPLEMENTATION ARCHITECTURE



What does daily.h / weekly.h do?

- **Provides the interface for SQL APIs in daily.c / weekly.c to MainScreen.c**

What does daily.c / weekly.c do?

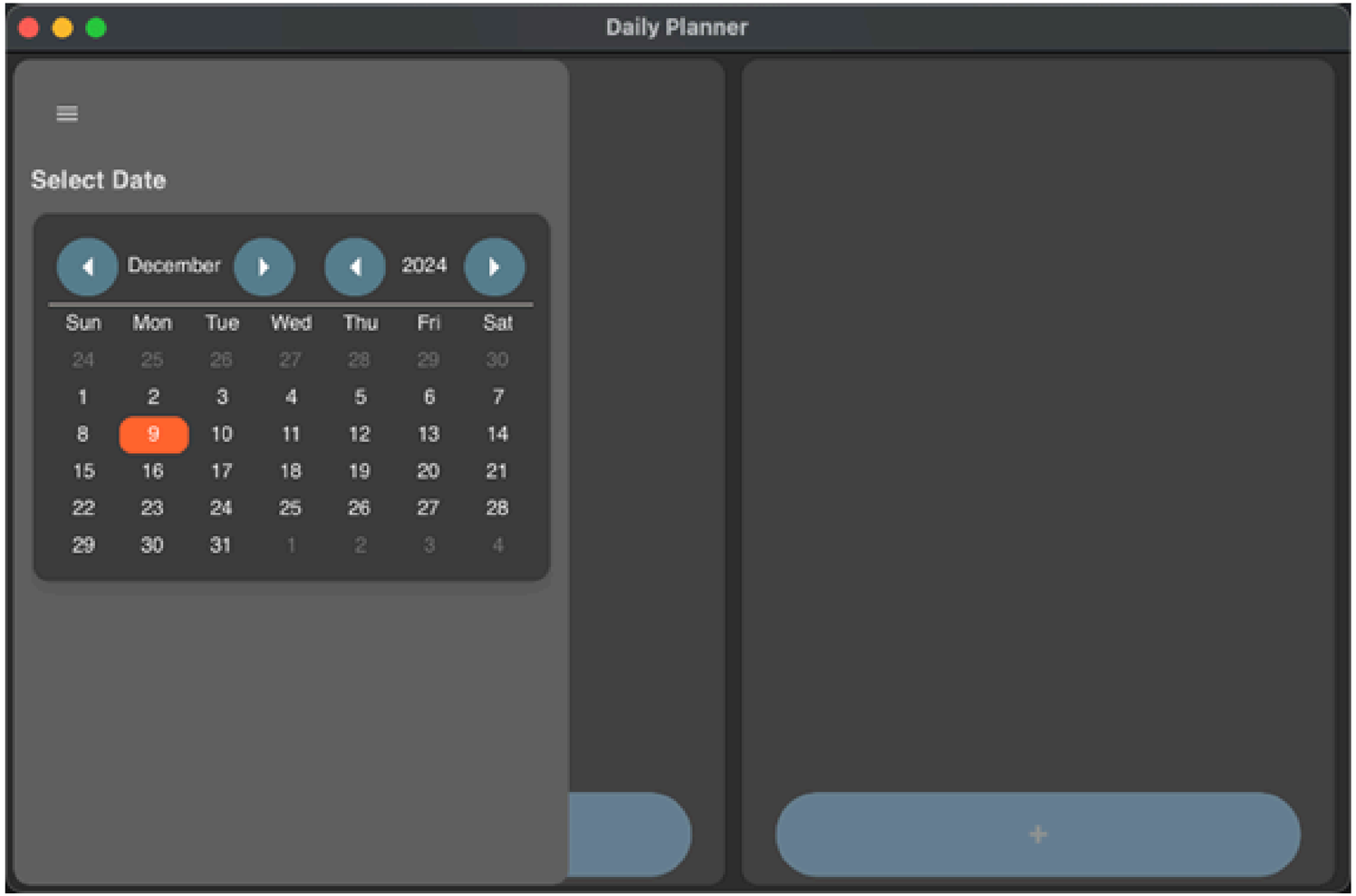
- **Provide database APIs**
- **Creating, Deleting, Retrieving and Updating**

➢ ACHIEVEMENTS

Main screen:

This is the main screen of our Daily Planner app.

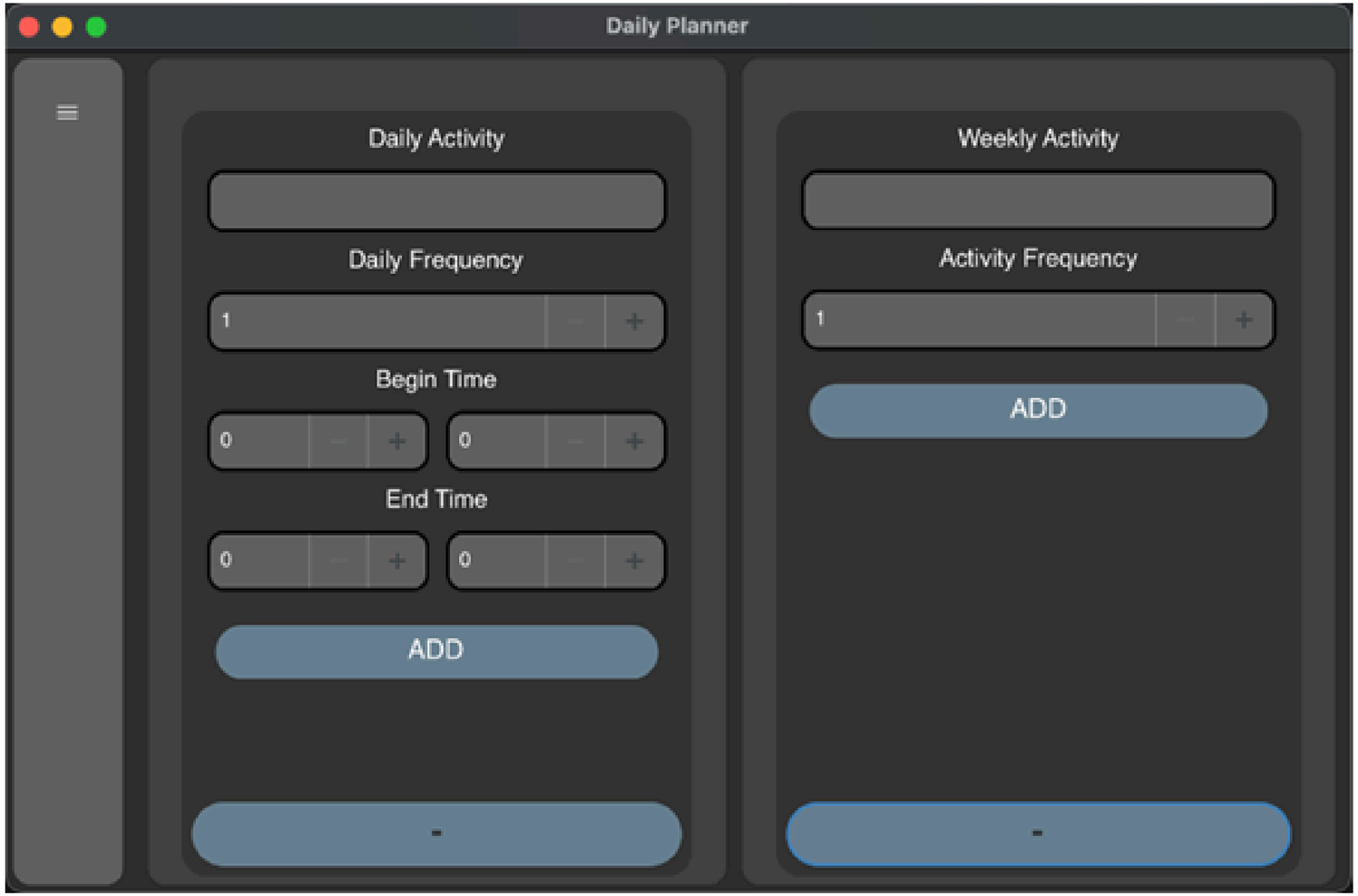
➢ ACHIEVEMENTS



Drawer:

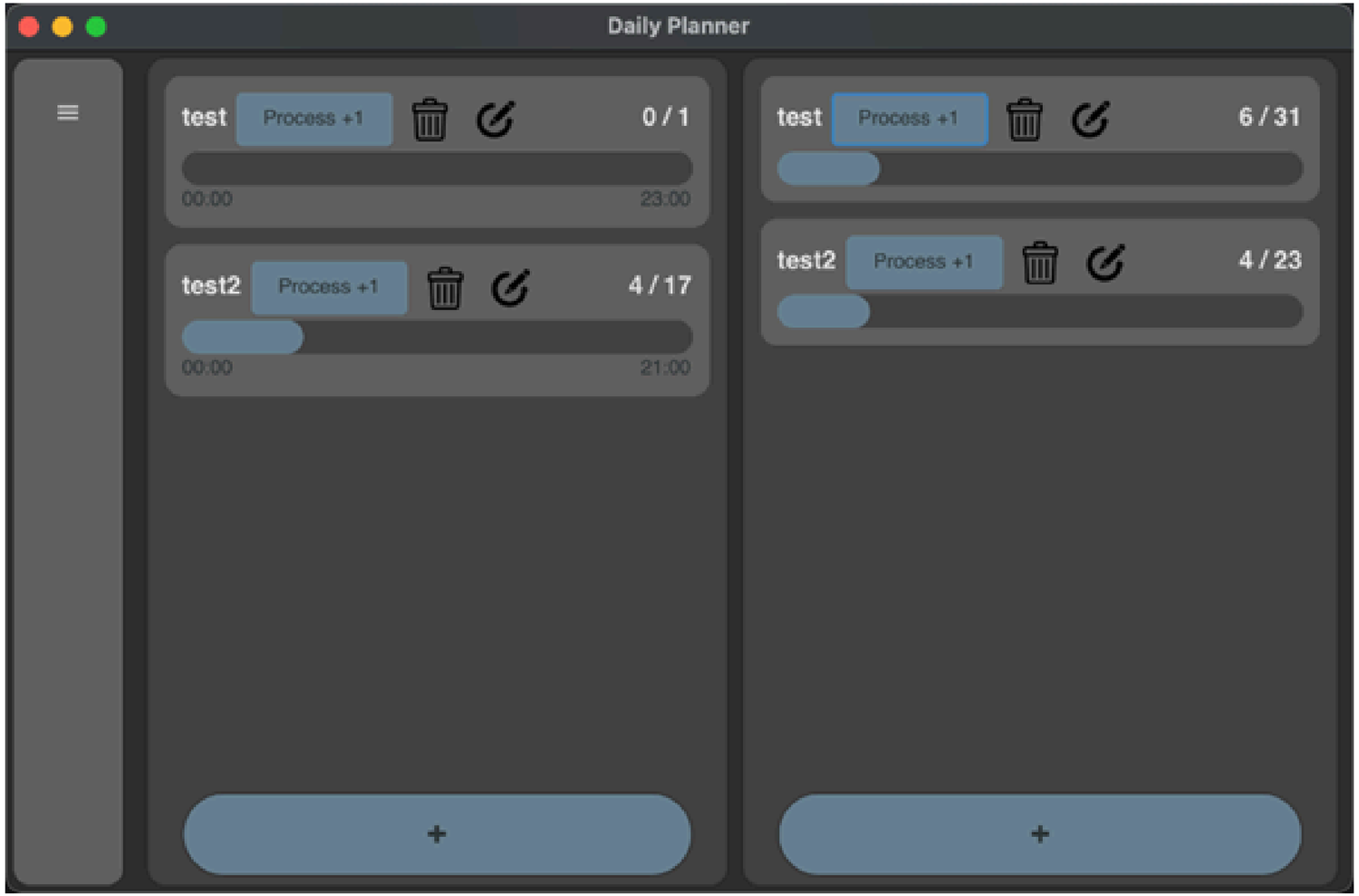
The drawer contains a Calendar, allowing users to select their target date.

➢ ACHIEVEMENTS



Daily and Weekly text field:
These text boxes allow users to input data.

➢ ACHIEVEMENTS



Activity:

Display the data entered by the user.

➢ ISSUE

Frontend:

1.Memory leak

2.Life cycle

3.Pointer

SQL API (CRUD):

1.SQlite and GTK connection

2.VS code technical problem

3.Functions will be deprecated


THANK YOU
FOR WATCHING