



DAILY PLANNER

FINAL PROJECT PRESENTATION



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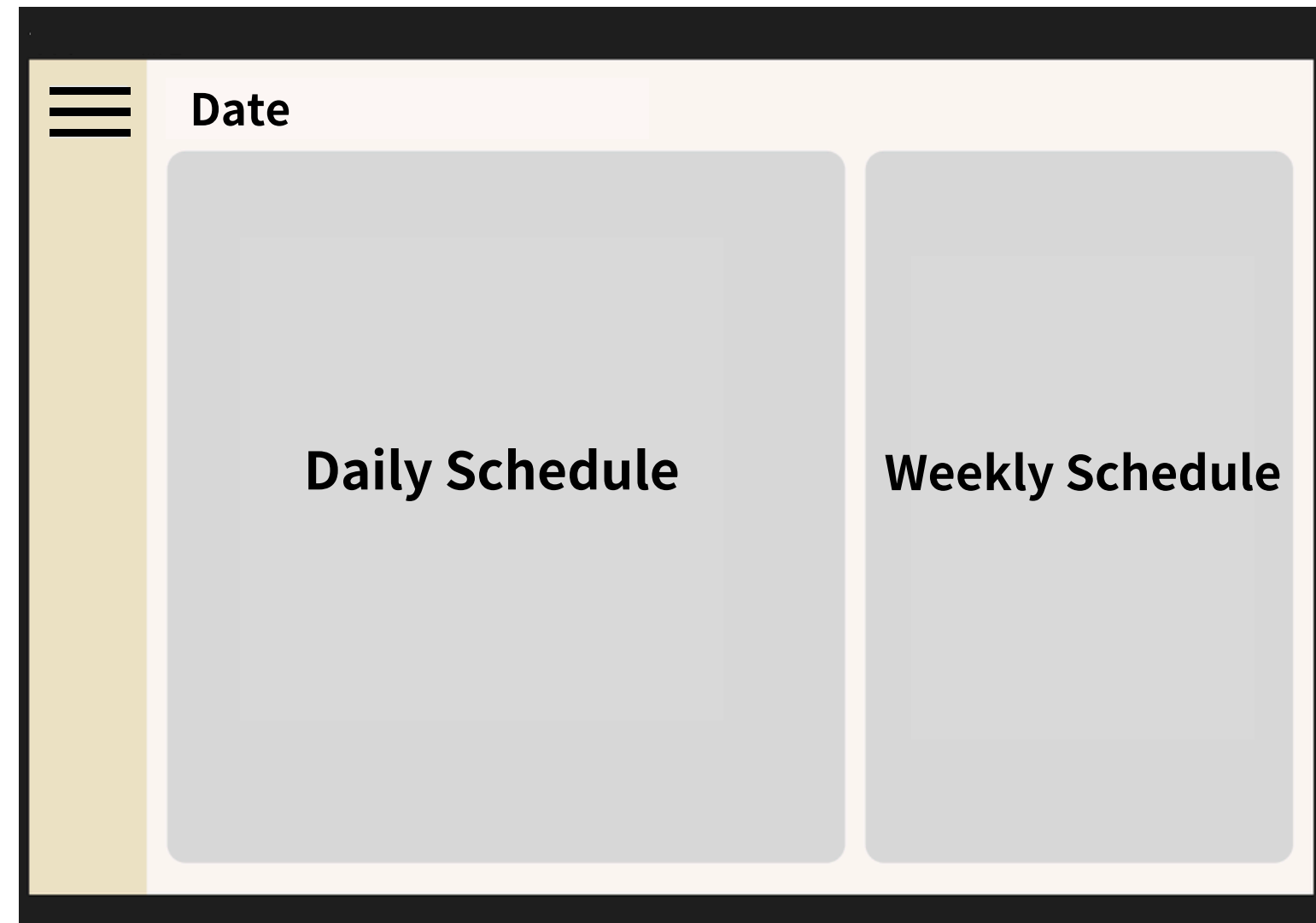
SURVEY

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.

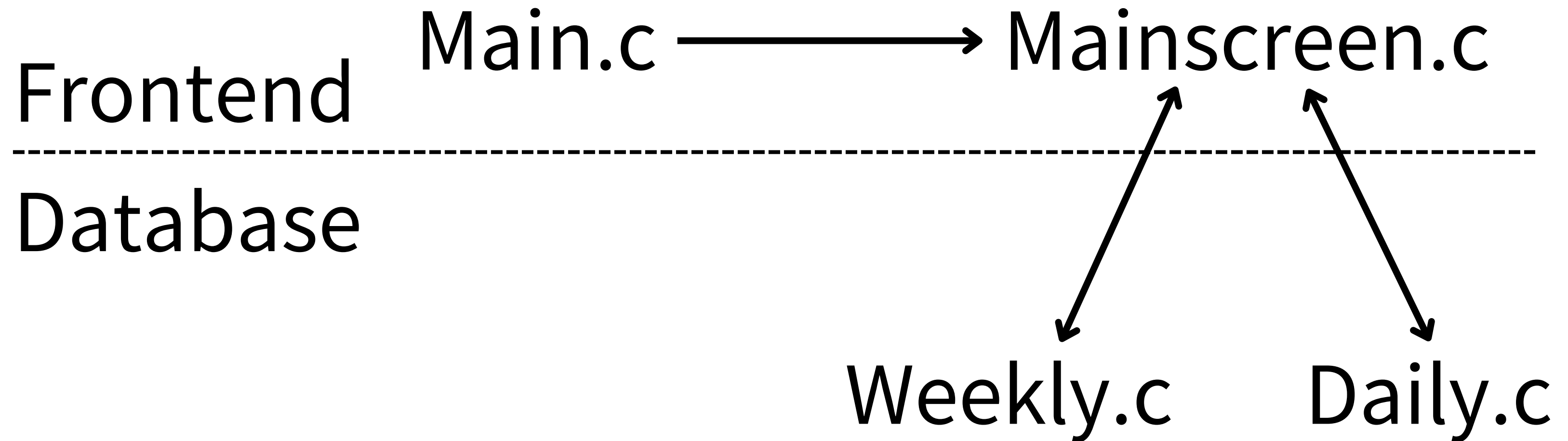
➤ SOLUTION- DESIGN PHILOSOPHIES

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

CmakeLists.txt

The CMakeLists.txt file is the configuration file for CMake, used to specify the build process for a project. CMake is a cross-platform build tool that generates platform-specific build files (such as Makefiles or Visual Studio project files) based on the instructions in the CMakeLists.txt. The contents of this file include settings like the project name, source files to be compiled, compiler options, and dependencies.

➤ IMPLEMENTATION

ARCHITECTURE

main.c

The main.c file serves as the entry point of the program, responsible for defining the core structure of the application, including the initialization of the Application and the main Window. In this file, the UI layout for the main screen (MainScreen) and its associated CSS styles are loaded, ensuring smooth functionality and a cohesive visual design for the application.

➤ **IMPLEMENTATION**

ARCHITECTURE

MainScreen.c / MainScreen.h

MainScreen.h is one of the header files included in main.c, primarily serving the purpose of exposing the mainScreen function from mainScreen.c to main.c. The file mainScreen.c implements all the features required by the main interface (MainScreen) of the application, including animations, data processing, and interactions with the database.

➤ **IMPLEMENTATION**

ARCHITECTURE

MainScreen.css / MainScreen.ui

MainScreen.ui serves as the main UI for Main Screen, written in XML format and loaded in main.c via GtkBuilder. It defines most of the components used in Main Screen, such as buttons of the drawer, menus for adding daily and weekly activities, and more. Meanwhile, MainScreen.css primarily handles the styling for Main Screen, including specifications for border radius, margins, background color, and other visual design elements.

➤ **IMPLEMENTATION**

ARCHITECTURE

daily.c / daily.h weekly.c / weekly.h

These files primarily provide database APIs related to daily and weekly activities, including functionalities for creating, deleting, retrieving, and updating records. It facilitates seamless integration and interaction between the front-end and the database.

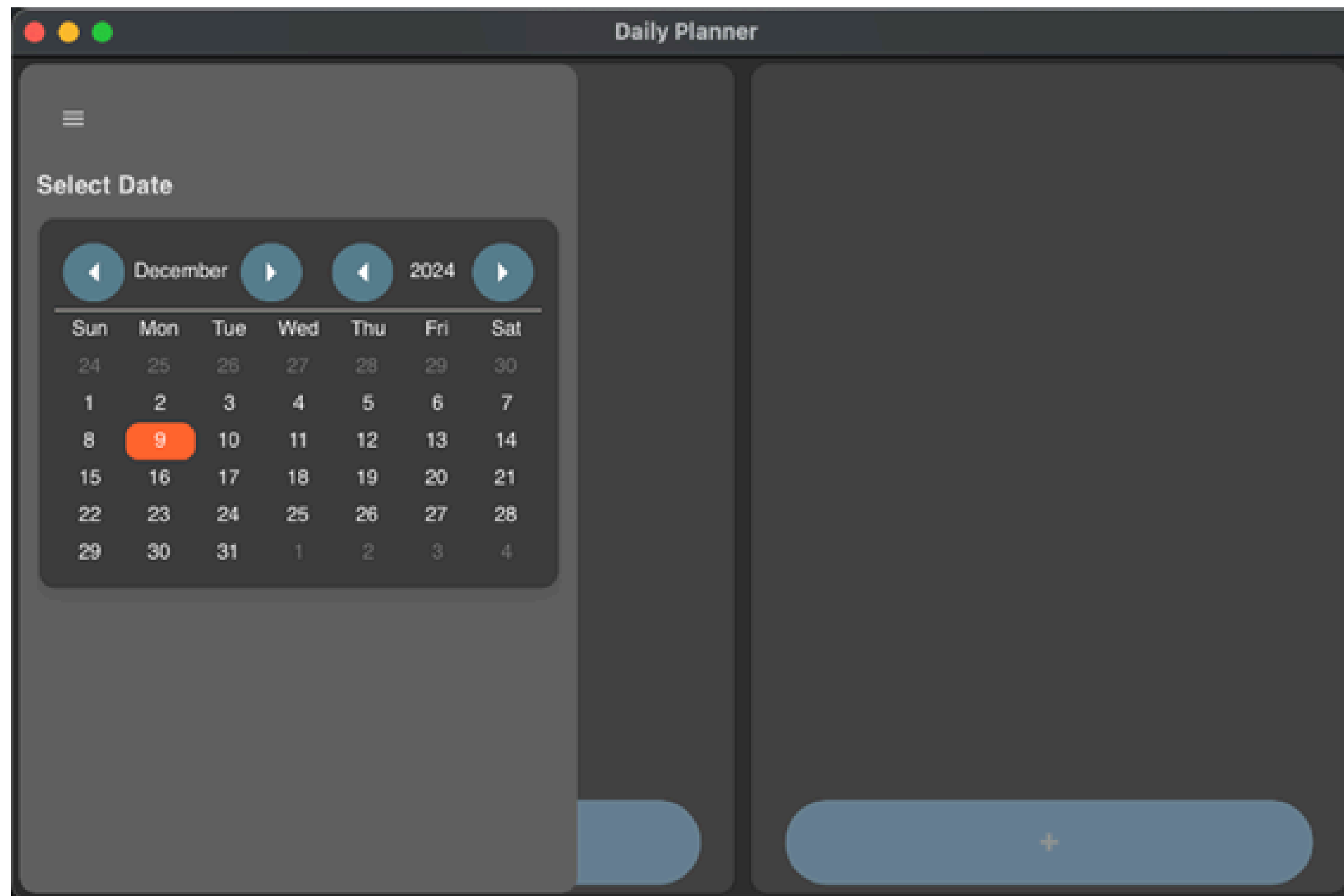
➤ ACHIEVEMENTS



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

The image shows a dark-themed application window titled "Daily Planner". On the left is a sidebar with a hamburger menu icon. The main area is divided into two panels. The left panel, titled "Daily Activity", contains a text input field, a "Daily Frequency" spinner set to 1, "Begin Time" and "End Time" spinners each set to 0, an "ADD" button, and a bottom bar with a minus sign. The right panel, titled "Weekly Activity", contains a text input field, an "Activity Frequency" spinner set to 1, an "ADD" button, and a bottom bar with a minus sign.

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

