

Project Title: Daily Planner

- This is an app that helps people who are unorganized and don't find the time to write down what they have to do and feel that day. It's a program that can help people show their calendars and write down their duties for the day, write down their mood and calculates and displays their expenses per week.

Problem Statement: There are people who have unorganized schedules, having an unorganized schedule could lead to you forgetting important occasions or having clashing events. Another problem we'd like to address is that some people can't budget or can't keep track of their expenses, this could be a problem when you are trying to save up for something. And let's not forget that some don't find the time to write down what they feel that day, sometimes you just need someone to ask how you're doing.

Project Objective:

- You will be able to organize things you need to complete for the day
- Helps with tracking expenses and providing saving plans
- Asks how you're doing, and keeps track of your mood

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Project Features:

- Displays calendar
- Mood tracker
- Displays and calculates expenses

Project Inputs and Outputs:

Inputs

- Starting date
- User's name
- Today's Rating
- Daily Allowance
- Expenses
- Saving goal (How much you want to save)
- Saving Duration (Time frame of Saving goal)

Outputs

- Greeting the user by name
- Showing the date and reminders (like schedule/calendar)
- Displaying expenses info (Allowance, expenses, savings goal)
- Closing message

Logic Plan - Pseudocode:

START PROGRAM

DISPLAY "-----DAILY PLANNER-----"

INPUT starting_date

INPUT name

DISPLAY "Good day! How are you " + name + "?"

INPUT day_rating // Prompt: Rate your day 1-5 (1-terrible and 5-amazing)

DISPLAY "The date today is " + starting_date + "."

DISPLAY "Reminders for today: None"

DISPLAY a_calendar

DISPLAY "-----EXPENSES-----"

INPUT daily_allowance // Prompt: How much allowance do you get daily?

DISPLAY "Expenses for today in total: None"

INPUT check_savings // Prompt: Would you like to check savings? (Yes/No)

IF check_savings == "Yes" THEN

 DISPLAY "You don't have any savings. Would you like to put a saving goal?"

 INPUT saving_goal_response // Yes/No

 IF saving_goal_response == "Yes" THEN

 INPUT saving_goal_amount // How much would you like to save?

 INPUT saving_duration // How long do you want to save? (e.g., Weekly)

 INPUT deposit_amount // How much would you like to deposit per saving_duration?

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CALCULATE weeks_needed = saving_goal_amount / deposit_amount
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DISPLAY "You now have a saving goal of " + deposit_amount + " per " +  
saving_duration + ", you will reach " + saving_goal_amount + " in " + weeks_needed + "  
" + saving_duration + "!"
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ENDIF
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ENDIF
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DISPLAY "You currently have " + deposit_amount + " in total for tomorrow's expenses."
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DISPLAY "Have a good day!"
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END
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