

Title: Version 1 Review — PillBox App

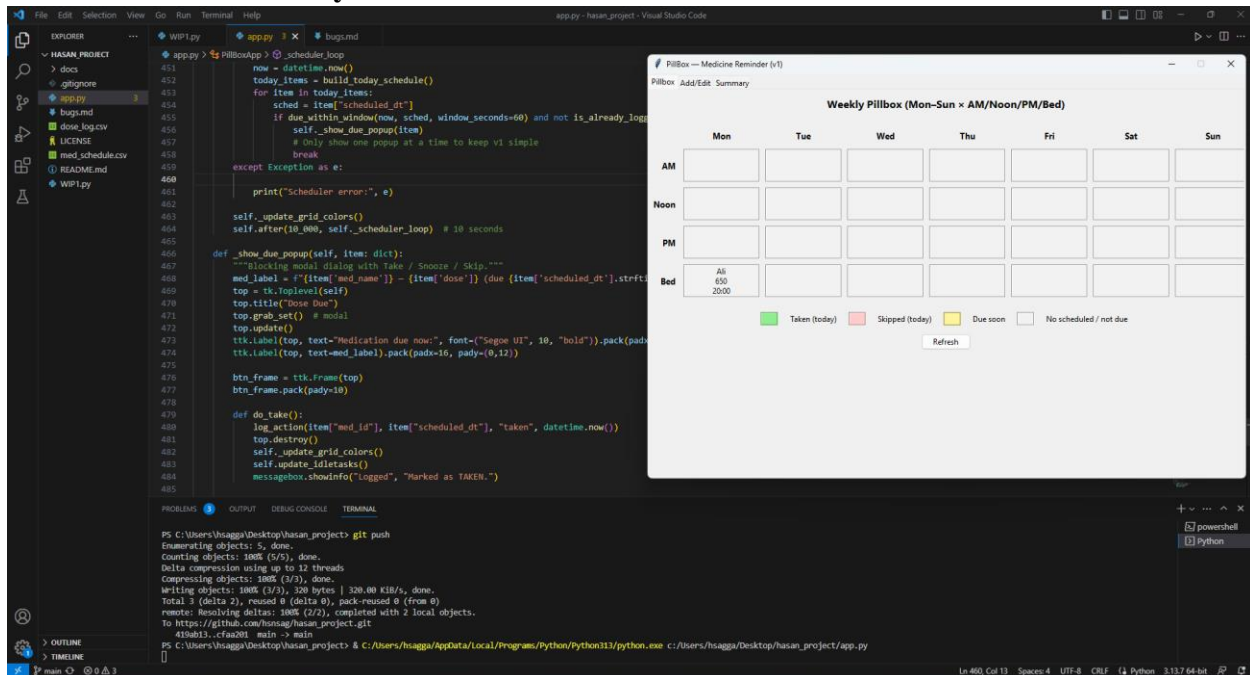
1. Project Overview

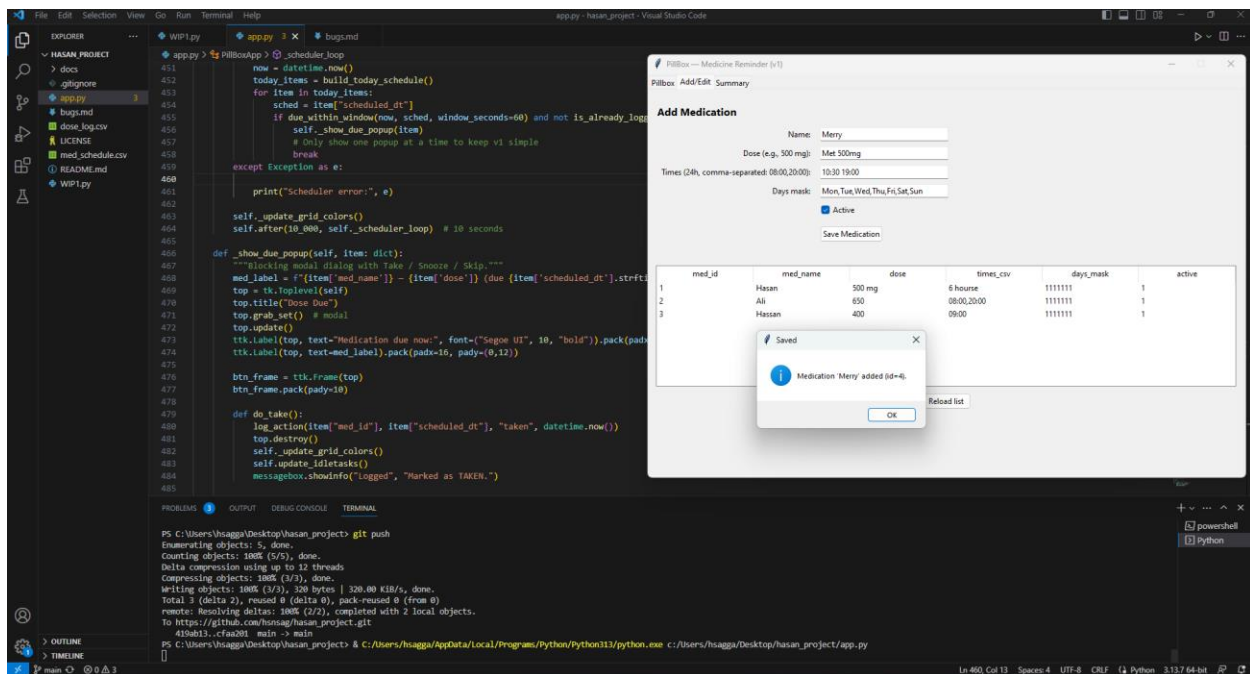
PillBox is a simple medication-reminder app for older adults. The app allows users to add medications, schedule daily doses, and receive popup reminders to take, snooze, or skip them. Data are stored in CSV files and displayed in a weekly pillbox grid and a 7-day summary chart.

2. Features Implemented (So Far)

- *Add Medication:* Users can add medicine name, dose, times, and days.
- *Reminder Popup:* Appears at the scheduled time with Take / Snooze / Skip buttons.
- *Pillbox Grid:* Mon–Sun × AM/Noon/PM/Bed grid shows each scheduled dose, color-coded by status.
- *Summary Chart:* 7-day bar chart of taken/snoozed/skipped counts.
- *CSV Storage:* med_schedule.csv and dose_log.csv auto-create and save data.
- *UI Refresh Fix:* Implemented update_idletasks() and top.update() to make UI refresh instantly after actions.
- *Comments & Docs:* Added docstrings and inline comments for clarity.

- **Screenshots of my work:**





3. Issues Encountered & Solutions

- *UI didn't refresh immediately:* Fixed using `update_idletasks()` and `top.update()`.
- *Snoozed doses not persistent:* Will store snoozes in JSON/SQLite in Version 2.
- *Invalid time input:* Added basic validation; full time picker planned for v2.
- *Layout overlap on small screens:* Adjusted padding and geometry settings.

4. What do I need (in this stage):

- Advice on best way to save snoozes persistently (JSON vs SQLite).
- Whether to continue with Tkinter or migrate to Streamlit for Version 2.

5. Milestones for Version 2

1. Editable Medications Allow edit/delete existing meds.
2. Persistent Snooze & Missed Detection Save snoozes to file and mark missed doses.
3. Input Validation & UI Enhancement Add time picker + clearer messages.
4. Analytics Extension Track adherence rate, visualize trends.
5. Packaging & User Testing Build executable and gather feedback.
6. Self-Reflection

Progress Satisfaction:

Core features functional and stable.

Feasibility:

Yes, achievable within remaining weeks.

Expectations vs Reality:

UI layout was harder than expected; CSV handling easier.

Light-Bulb Moment:

Realized that timing feedback and simplicity matter more for older adults than design complexity.

Next Focus:

Simplify workflow and strengthen validation before adding features.