**FALL 25**

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**Project specification**

<https://github.com/hsnsag/hasan_project.git>

**Elderly Medicine Reminder**

**Project Specification — Elderly Medicine Reminder**

**Users:**

* Older adults 🡪 take medicines on time.
* Caregivers 🡪 configure schedules, monitor.

**Goals:**

* Reduce missed doses with clear and simple reminders.
* Provide easy caregiver setup.
* Offer simulation and adherence tracking.

**Core Features:**

1. **Scheduling** 🡪 caregiver adds/edit medicines (name, dose, times).
2. **Pillbox UI** 🡪 visual ~ 7×4 grid; correct box flashes at due time.
3. **Alerts** 🡪 audio + flashing; snooze/skip/take options.
4. **Simulator mode** 🡪 set fake time to test alarms.
5. **Adherence tracking** 🡪 log taken/missed doses; weekly/monthly graphs.

**Data:**

* Store in CSV or SQLite 🡪 medicines, schedules, dose\_log.

**Tech:**

* Python 🡪 Tkinter for GUI, matplotlib for charts).
* Local storage.

**Milestones:**

* Week # 🡪 Pillbox UI + scheduling.
* Week # 🡪 Alerts + logging.
* Week # 🡪 Simulator + graphs + caregiver input.