How can we help people with medical memory loss manage their medication independently?

**USER RESEARCH > IDEATION > PROTOTYPING**

**Literature Review**

**Assisted Living Facility Tour**

**Empathy Testing**

**Usability Testing**

Interviews

- Doctor
- Doctor
- Doctor
- TBI Patient
- TBI Caregiver
- Alzheimer's Patient
- Alzheimer's Caregiver

**Findings**

1. **Organized**
2. **Adaptable**
3. **Persistent**
4. **Habitual**
5. **Low Tech**

**MedMem System Diagram**

- **Pill Box**
  - Custom Labels: Add the text of your choice and change it at any time.
  - Attachable Compartments: Build rows and columns as needed. Remove individual compartments when on the go.
  - Nonintrusive Notifications: Individual compartments light up when it is time to take a medication.

- **Reminder System**
  - Custom notes: Leave personal notes, reminders or directions on the whiteboard.
  - Portable System: Multipurpose reminder panels of varying sizes can be placed around the house based on daily routines.
  - Alarms: Set reminder alarms (light and/or sound) that will persist until medication is taken.

- **Medication Notebook**
  - Medications: Track which medications to take, when, and dosage.
  - Doctors: Record important contact information in a predesigned template.
  - Appointments: Add events to the calendar and list questions for future appointments.

Long Dinh | Stephanie Grose | Megan Taylor | Gail Thynes