

Instructions for Design Development: SmartPill Origami - Modular Organizer

Here is the final, simplified description of the **Optimized SmartPill Origami - Modular Organizer**, combining our original ideas with your valuable suggestions. This will be the definitive concept that the team must realize.

Final Concept: Optimized SmartPill Origami.

The goal of this design is to provide Mrs. Wen with a **low-cost, visually appealing, and easily transportable system** for managing her morning, lunch, and evening medications.

1. Modular Structure and Portability

The design is based on **three separate folded cardboard modules**, one for each time of the day (Morning, Lunch, Evening).

- The dimensions have been reduced to approximately $80\text{mm} \times 80\text{mm} \times 80\text{mm}$ to make each box **compact and portable**.
- Mrs. Wen will be able to choose to **carry only the necessary module** when she goes out, enhancing her autonomy.

2. Warm Aesthetics and Clear Identification

- We have moved away from bright colors in favor of **warm, subdued tones** (e.g., peach orange, sage green, beige).
- Each module will be made more pleasing with **simple, delicate patterns** (such as small flowers or clouds) on its background.
- Despite the patterns, identification must remain **clear** thanks to a large, high-contrast main symbol (Sun, Plate, Moon) and the time-of-day label.

3. Durability and Safety

To ensure the organizer lasts over time and resists frequent use:

- **Resistance:** The entire outer surface of the cardboard, including labels and symbols, must be **covered with transparent adhesive tape** (simulating lamination) to prevent damage and color fading.
- **Closure Stability:** To prevent medications from scattering in a purse or at home, the lid's closure must be **robust**, utilizing powerful magnets or an elastic system incorporated into the design.
- **Improved Grip:** The tab or flap used to open the lid must have a **textured surface** (e.g., a small piece of fabric or rubber) to facilitate grip and tactile interaction for users with a weak hand.

This final organizer combines organization and visual identification (our idea) with usability and aesthetics (your suggestions), creating a complete and user-focused solution.

