Development of Project Senior Aid Management (S.A.M.)

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PROBLEM STATEMENT

For seniors, having a proper medical schedule they can follow is very important for their health.

Figure 1: The Senior Aid Management

BACKGROUND

Seniors face varying medical challenges when it comes to medications. Most seniors nowadays forget to take their medications, which can lead to more health risks. On the other hand, the're seniors who have already taken the medicine, but do not remembering taking it. This case leads them to overdosing and taking them a second time. This event may lead to health risks due to overdosing on medication. Our project proposal will provide a possible solution to address these issues in a easy to use and will help reduce the risks for elderly adults

SUMMARY OF WORK

We assigned specific task to each team members. Osman provided the dedicated notification system where it provides alarms sound to senior so they can take the medication at precise time. Vinh has to make the database to store all the user and medications information so the device can keep track of the user usage. Jonathan deployed the storage system of the dispenser where it can hold up to certain amount of medication. Juan made the dispenser function to deploy when it's time.
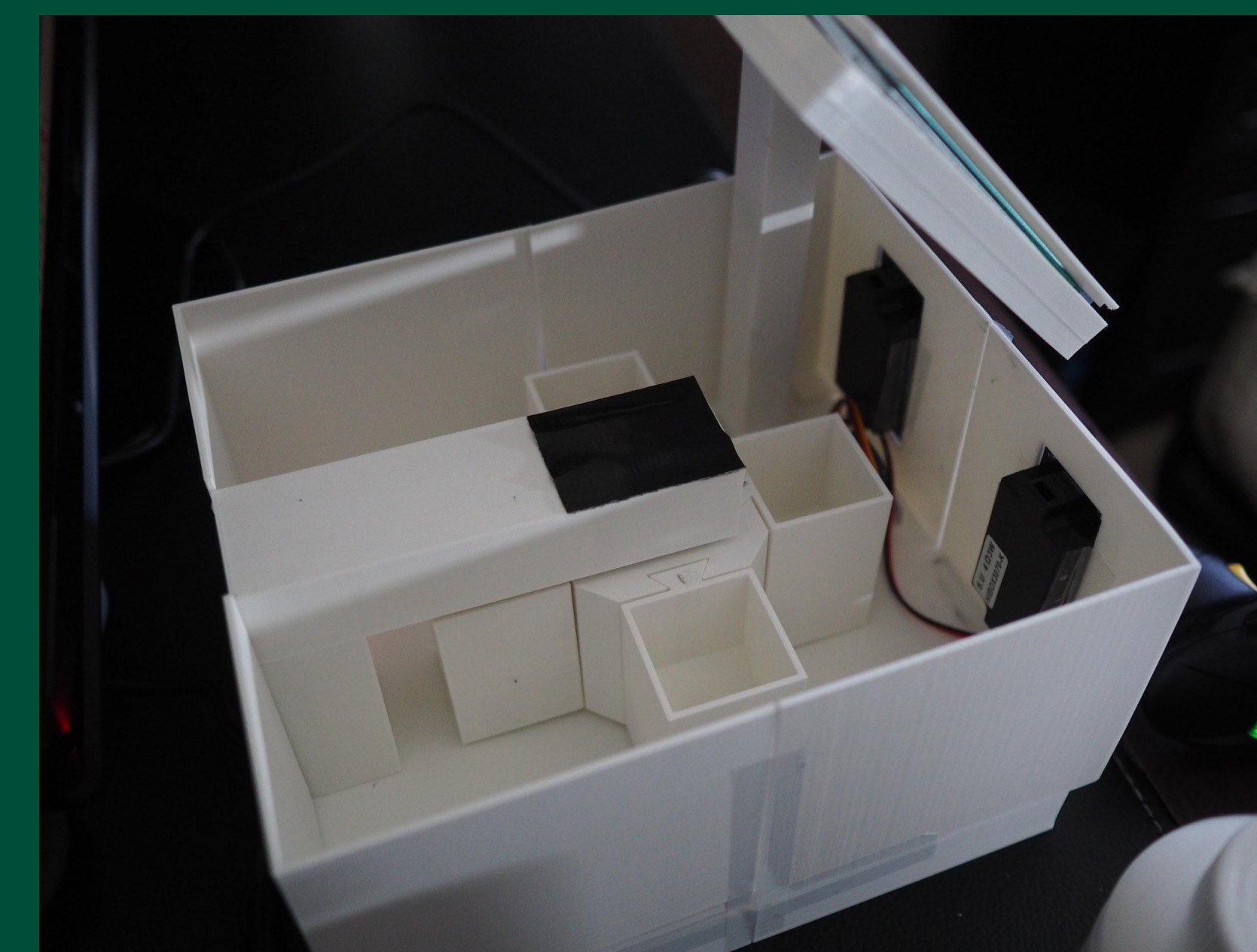

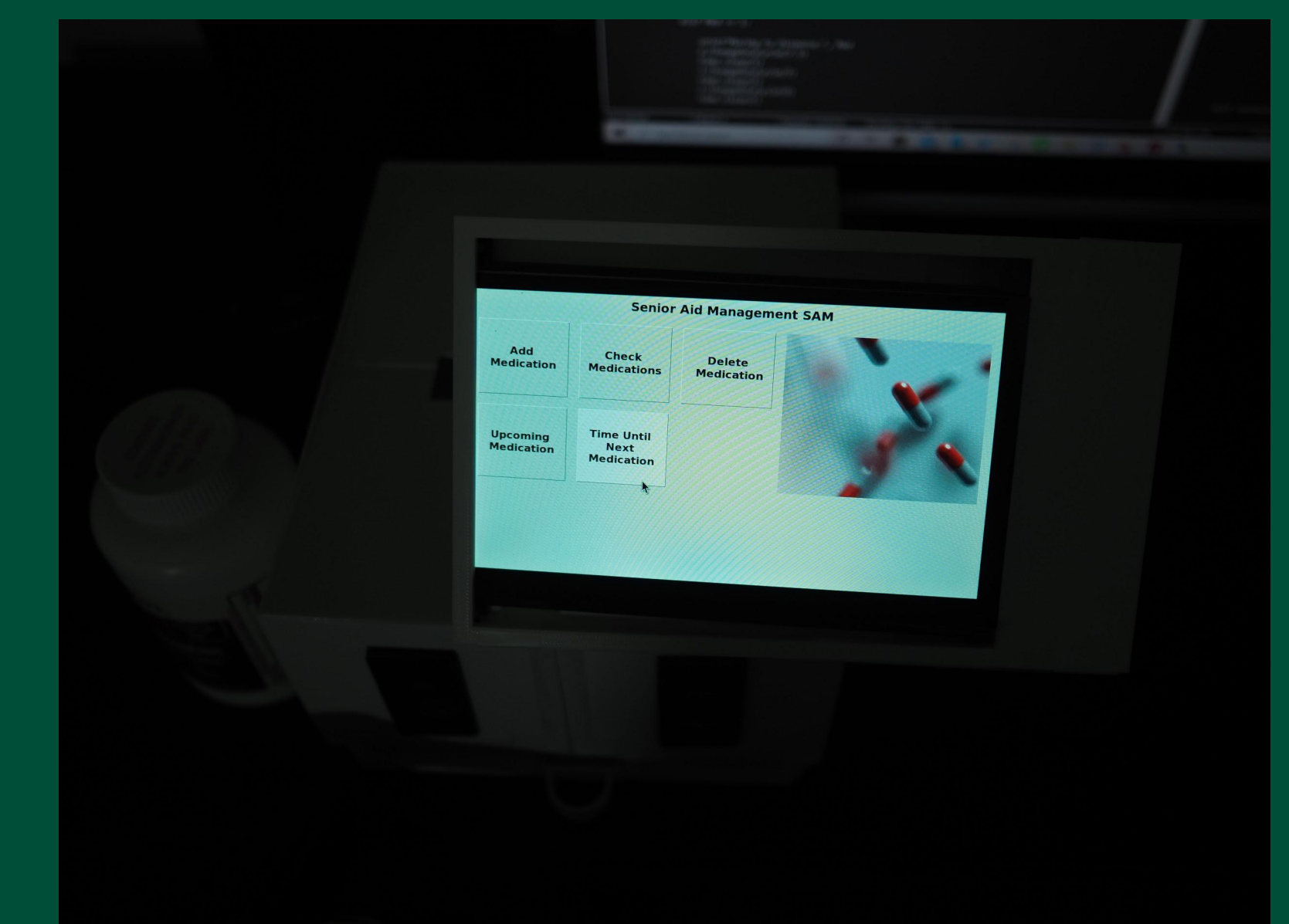*Figure 2: The storage and delivery system of the prototype*

Figure 3: Prototype of the touch screen and alarm system.

IMPACT ON COMMUNITY

With the help of this device, anyone who needs to take medication daily will get the relief of being reminded to take their medication on time. It will help them store and schedule the right medication he/she needs with precise time and delivery.

- Help people to store and manage their medication
- Notify people when they need to take medication
- Can store multiple different type of medication
- Not to worry accident retake medication anymore