



thyme

Interactive High-fi Prototype

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Team Pillionaires



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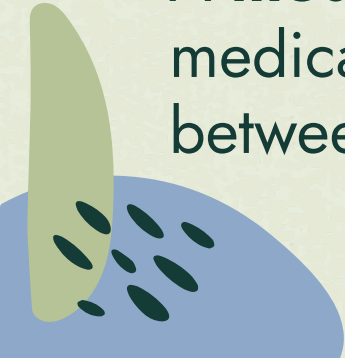


Problem:

Communication gap between the medical professionals and the patients with limited knowledge about their medication

Solution:

A **medication journal** that helps patients track their medication use and serves as a medical "translation" layer between patients and doctors


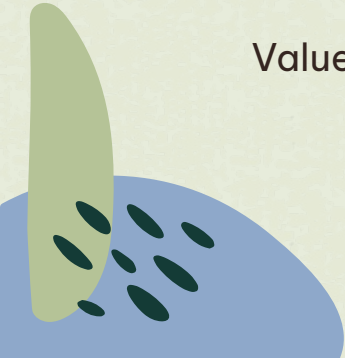




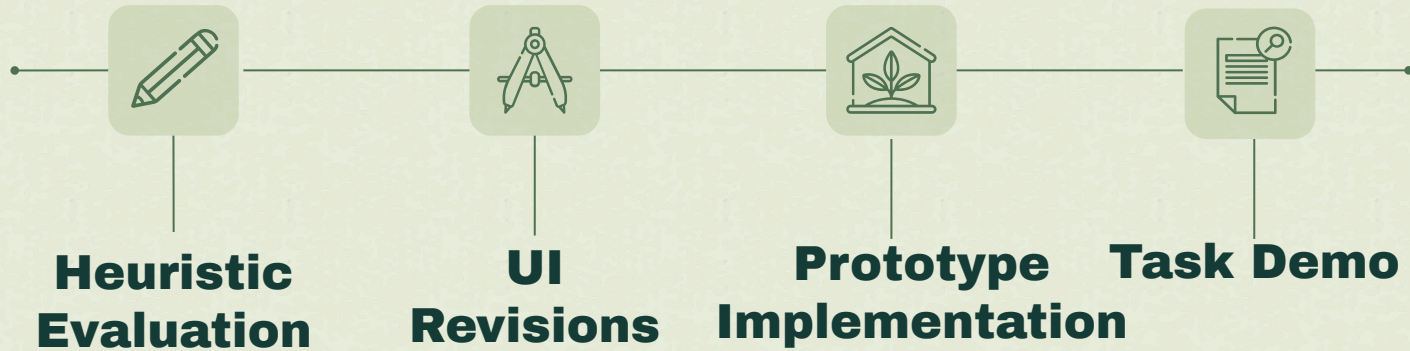
thyme

Take thyme. Be well.

Value Proposition: To keep a “streak” that increases every time a user successfully fills out their medication journal or takes their medication for that day.



Outline of Talk





01

Heuristic Evaluation Results

Breakdown of Heuristics

Most common

Visibility of Status - 9 Violations

Consistency and Standards - 7 Violations

Minimalist Design - 7 Violations

By Severity

Severity 1: 16 Violations

Severity 2: 21 Violations

Severity 3: 7 Violations

Severity 4: 1 Violation

By Task

Simple Task: 7 Violations

Moderate Task: 3 Violations

Complex Task: 11 Violations

Additional Details of Severity 3 + 4 Violations

Major Redesign Necessary

- **Home Screen:** tension between our values of personal experience and user connectivity (Sev 3 - H11)
- **Report page:** Information overload - what is actually necessary? (Sev 3 - H8)

Additional Elements Needed

- **App Flow:** Back buttons, cancel buttons (Sev 3 - H3)
- **Further personalization:** User cannot add or edit their medication list (Sev 4)

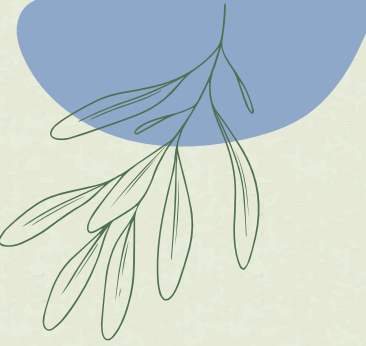
Additional Details of Severity 3 + 4 Violations

Figma Bugs

- **System state:** Med-fi did not keep track of user inputs and progress (Sev 3 - H1/H3)
- **Consistency of Design:** Formatting everything manually vs using a style sheet for standardization (Sev 3 - H8)
- **Buttons as connectors:** clicking on things in the pop up incorrectly routes if the background has additional connectors (Sev 3 - H2/H7)

Conceptual Redesign Necessary

Garden feature: Visualization of daily medications versus medications someone would take more intermittently (Sev 3 - H7)



02

UI Revisions



UI Revision #1: Nav Bar

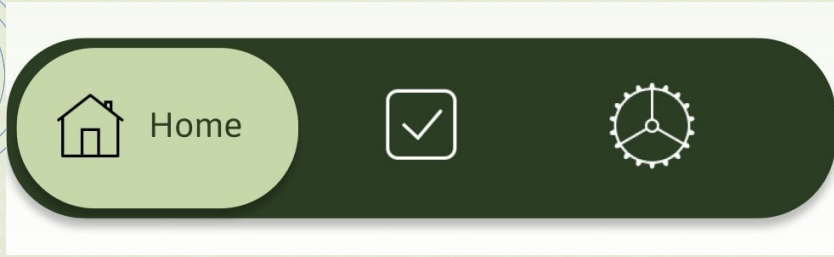


Figure 1: Med-fi Prototype Nav Bar



Figure 2: High-fi Prototype Nav Bar

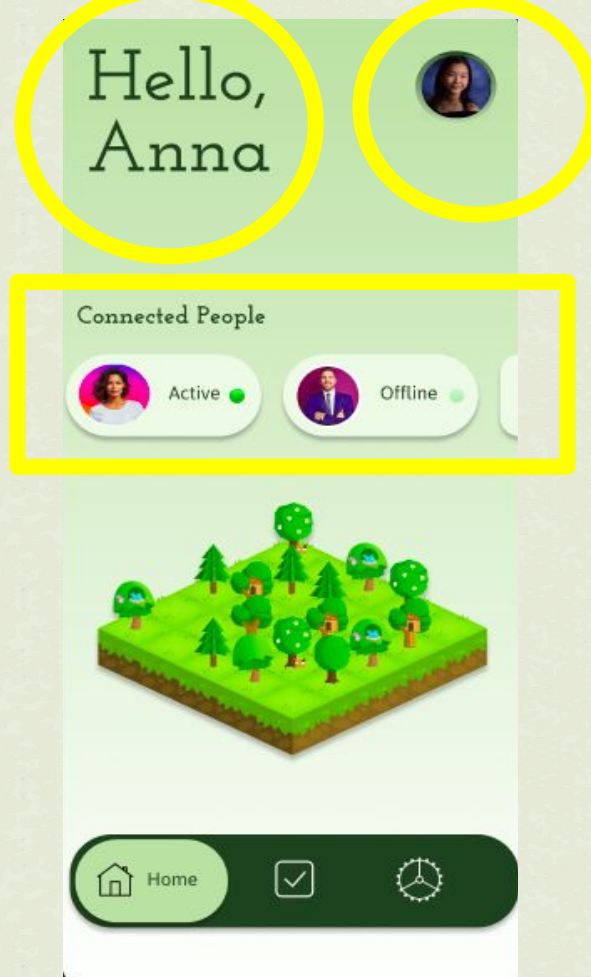
Heuristics Eval Feedback:

- “Not all major pages are on the nav bar itself”
- “No way to access nav bar from profile page without a bunch of back buttons”

Changes:

- Added “Connections” to the Navbar
- Changed everything originally under “Profile” to be under “Connections”

UI Revision #2: Home Screen



Mid-Fi Feedback:

- Original font not aesthetically appealing
- Communicates that the app is about the connected people
- Profile on top corner has no real connect to Connected People

Figure 1: Med-fi Home Screen

UI Revision #2: Home Screen

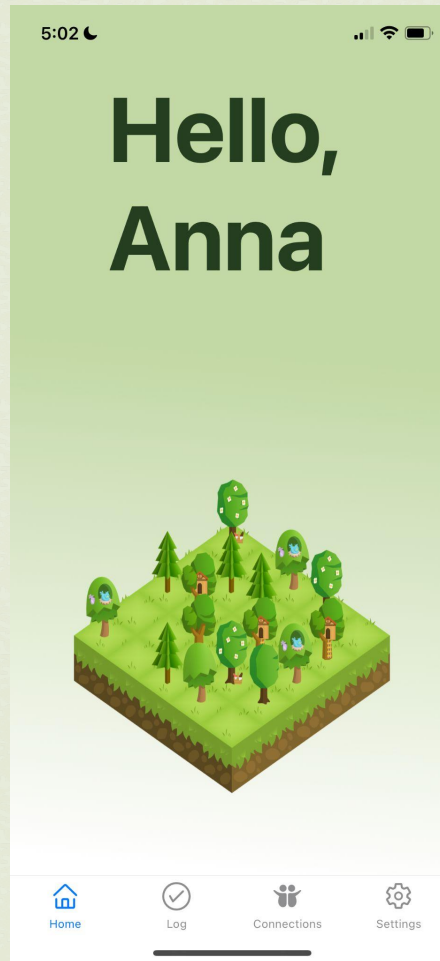


Figure 2: High-fi Home Screen

Changes:

- Switched font to a Sans font
- Removed Connected People from home page
- Removed profile, added “Connections” to nav bar

Changes in Progress

- Adding a way for users to see that their check-in is completed
- Widget for connected users (optional)

UI Revision #3: Profile Screen

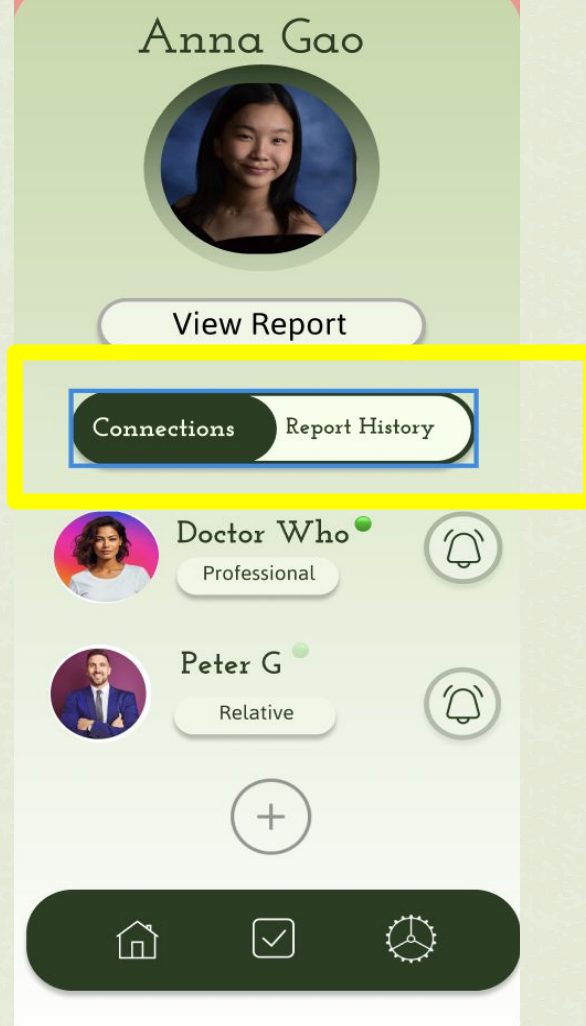
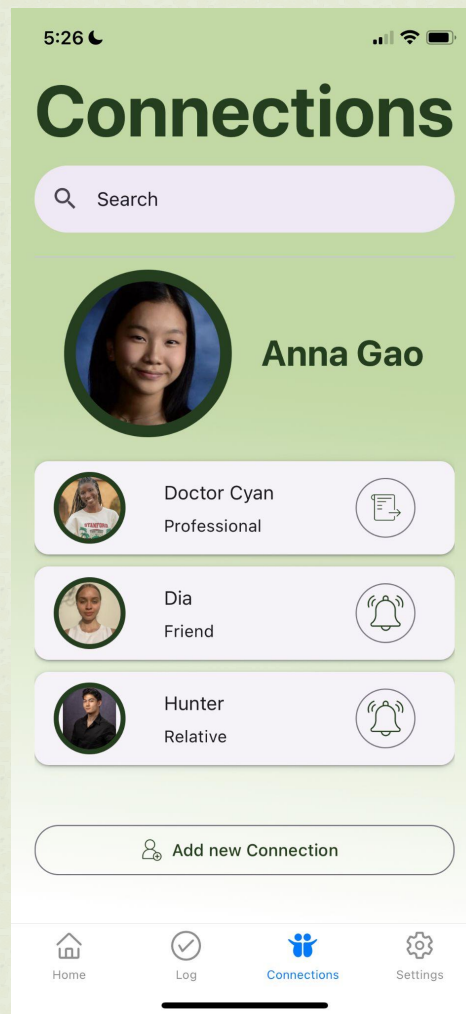


Figure 1: Med-fi Profile Screen

Med-Fi Feedback:

- “Report History” confusion
- “Bell” icon confusion
- Stylistically inconsistent

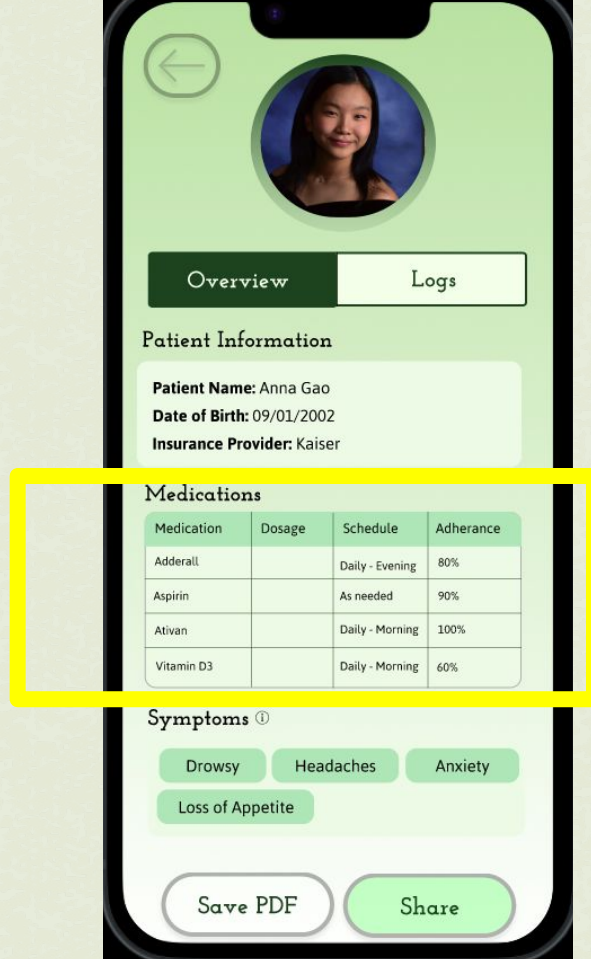
Figure 2:
High-fi
Connections
Screen



Changes:

- Removed “Report History”
- Changed icons for sharing versus reminding
- Moved “View Report” feature to be when you click the report button next to a professional

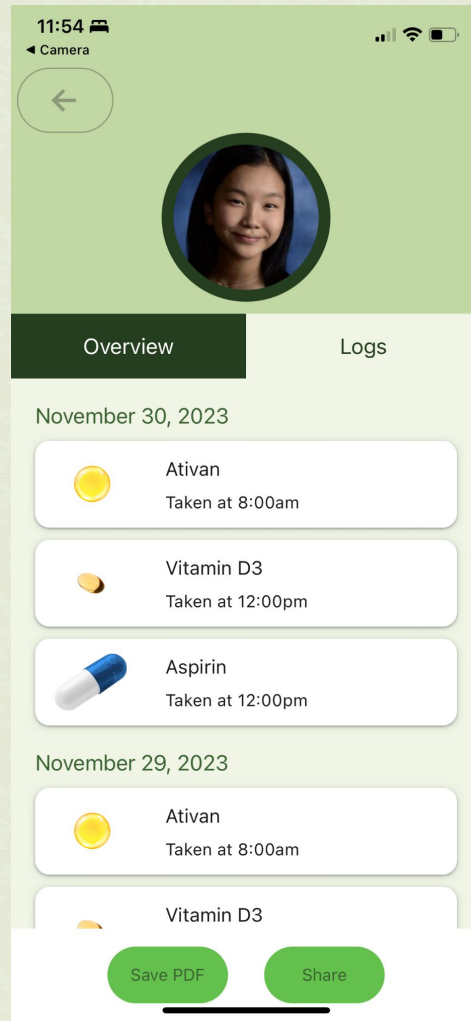
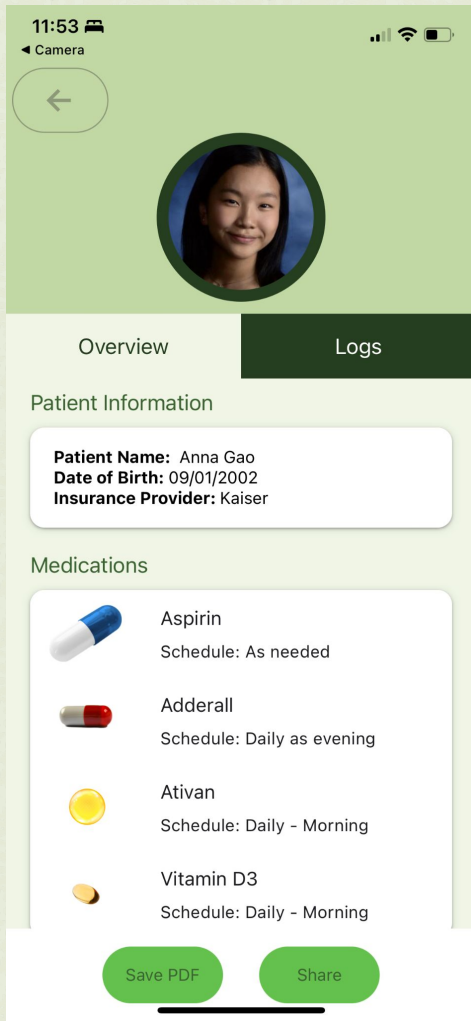
UI Revision #4: Shared Report



Med-Fi Feedback:

- Too much text on page
- Redesign needed for aesthetics

Figure 1: Med-fi Report



Change:
Simplified the material
on the report + logs

UI Revision #5: Check-in Page



Changes in Progress:

- Bigger font size (hard to read)
- Clearer wording (question is vague)

Figure 1: Med-fi Check-in Pages

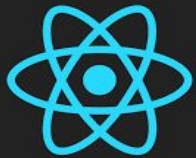




03

Prototype Implementation Status

Framework/Tools Being Used



React Native



- React Native (framework)
- Expo (for simulation)
- React Native Papers + Libraries (i.e. Linear Gradient)
- GitHub (for collaboration)



Prototype Magic

Wizard of Oz/Hard-Coded Elements (so far)

- Pre-populated list of other people (connections)
- Pre-populated list of medications and created history of medication usage
- Pre-generated reports and log history



Progress of Features

Implemented

- Home Screen
- Connections page
- Complex Task Flow
 - Overview report page
 - Logs history page

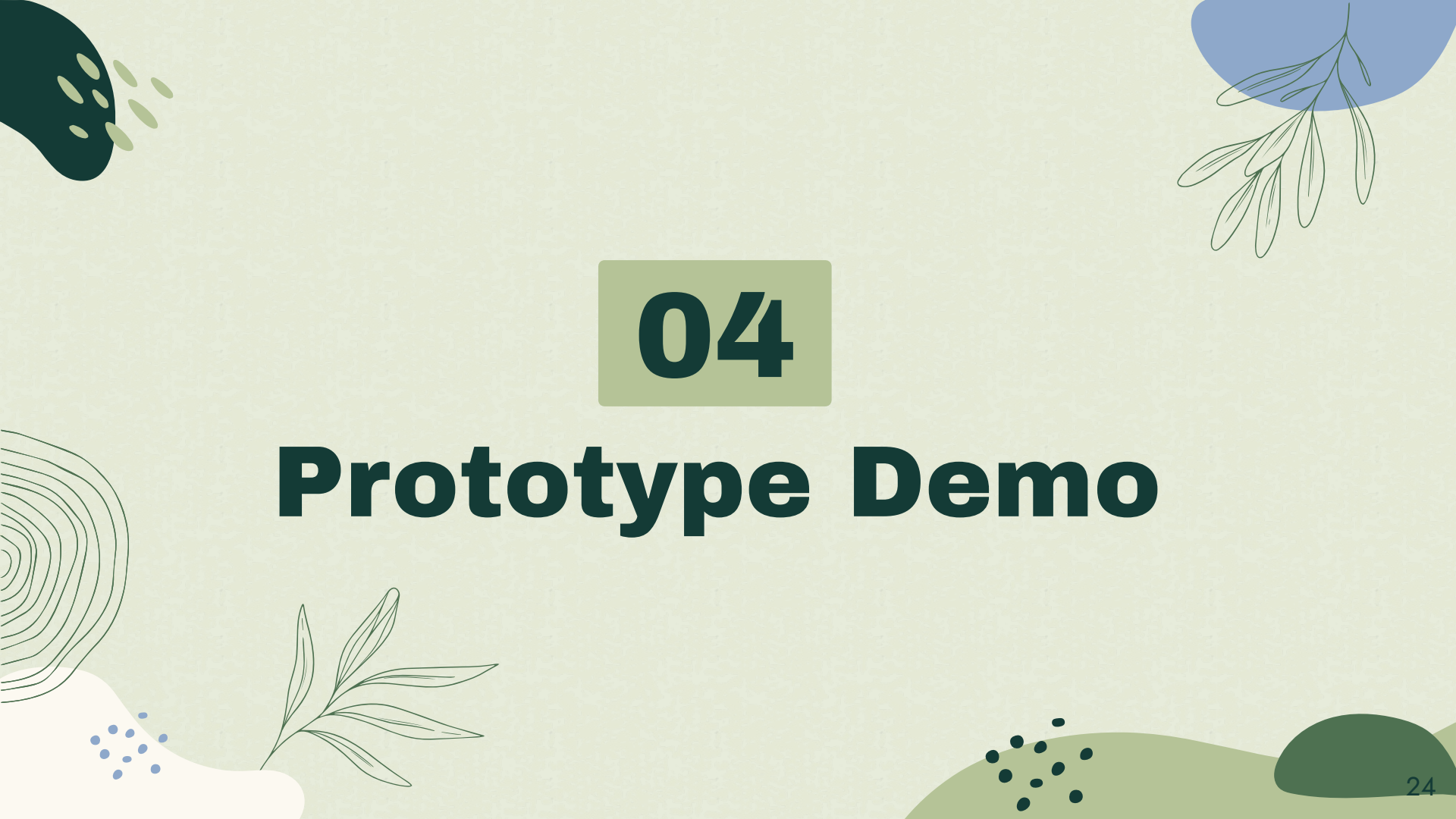
Unimplemented

- Simple task
 - Check-in page
- Moderate task
 - Symptoms page
- Garden feature*

*if time permits

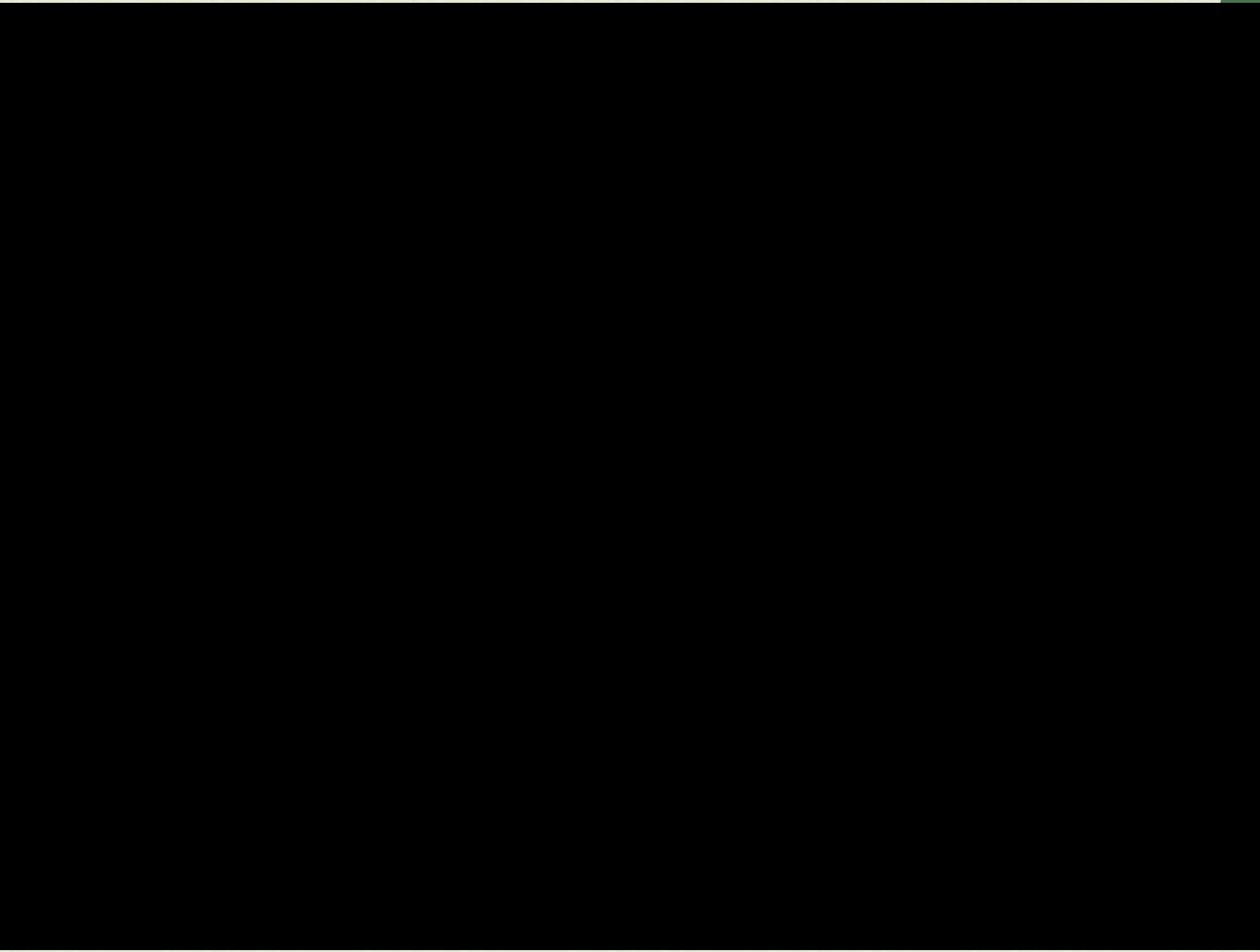
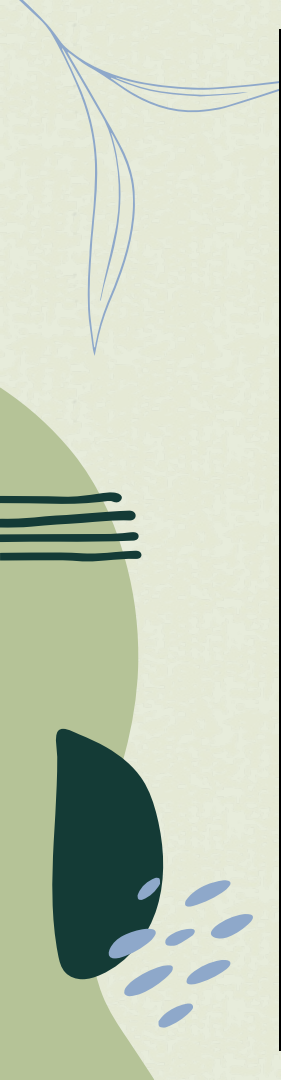
Next Steps

- Implement Simple + Moderate Tasks
- (if have time) Consult a medical professional
 - What information would be helpful on a report?
- (if have time) Add interactive garden and ability to edit medications



04

Prototype Demo





Question:
How much does our app need to “communicate” that it’s a medication app?

Figure 2: High-fi Home Screen



Thanks!

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Appendix


Summary + Key Takeaways



Process-wise:

- Familiarity with app can confuse what actual users perceive
- Collaborative coding is easier in person

Design-wise

- Lack of consistency can be very evident
 - Balance between simplicity and having just enough information
- 



Preliminary Issues

Many of our issues stem from the time constraint:

- Balancing redesigning + iteration, while leaving enough time to code
- Collaborative coding
- Prioritizing features and components