



thyme

Medium-Fi Prototype Checkpoint

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Team Pillionaires



Anna



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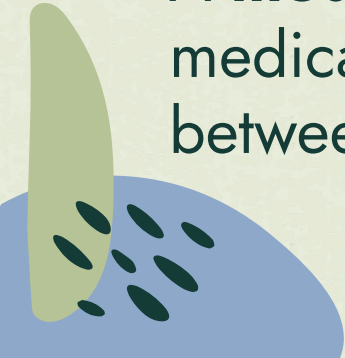


Problem:

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


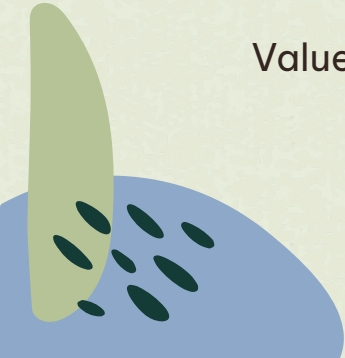




thyme

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.





01

Values in Design



Values in Design



Our Values

Supportive, welcoming experience

User-friendly experience:
users are able to easily navigate the app and access all features

Personalized experience:
users are engaged with their own well-being journeys



Design Features

Access to additional resources, connections to professionals and support systems

Intuitive, simple design: the flow of each feature is clearly outlined

User customization: ability to choose color palettes, decide user privacy and information



Values in Design



Design Features

Access to resources,
connections to professionals
and support systems

Intuitive, simple design

User customization



Value Tensions

Breaking down communication
barriers vs user privacy

Easily navigable app vs
oversimplification of
medication information

Engaging app vs promoting
addictive behaviors



02

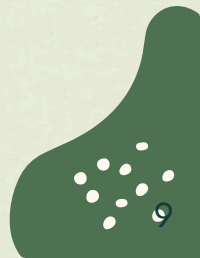
Our Med-Fi Tasks

Our Tasks

Simple: Daily Check-in on Medication Use

Moderate: Logging symptoms correlated to a medication

Complex: Tracking and sharing medication usage with another person





03

Usability Goals + Key Measurements

Usability Goals and Key Measurements from Low-Fi Prototype

Pleasing

Measured through:

- Post-testing survey

Efficiency

Measured through:

- Time per task completed

Discoverable

Measured through:

- Screens accessed

Med-Fi Prototype Progress

Pleasing

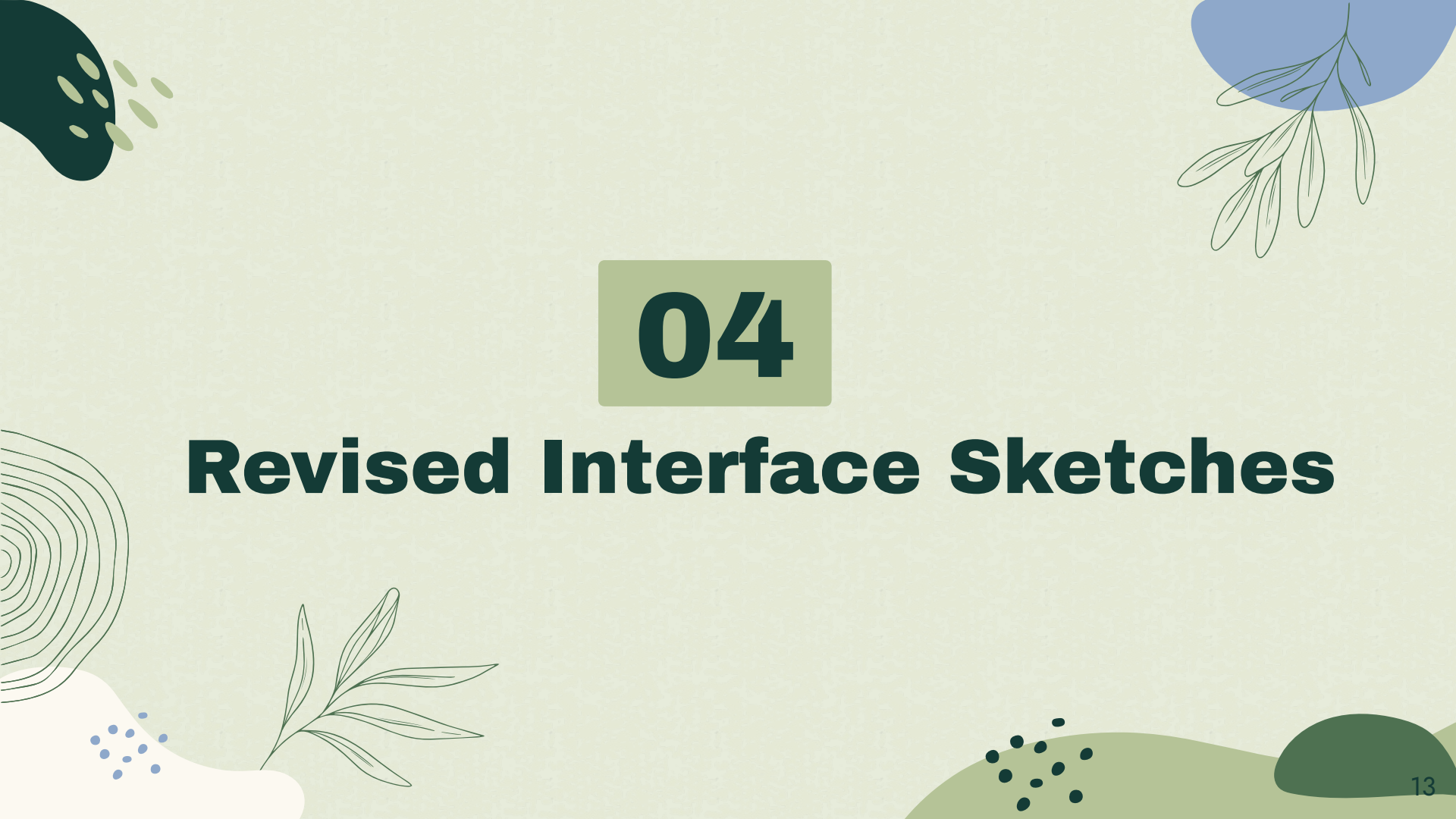
In our design process, we chose a color palette and scheme that would most reflect the words calm, helpful, kind.

Efficiency

We added clearer buttons and icon for each different task and feature that we included.

Discoverable

We combined a few of our screens so that they would be more discoverable, while making sure they were not too overloaded.



04

Revised Interface Sketches

Major Change #1: Toolbar

We decided to change the layout and order of the toolbar, from the user feedback that we received during user testing for our low-fi prototype.

We changed the order of the toolbar to match what many other apps has (home on the left, settings on the right - keeping with an overall policy of not making the toolbar too busy).



Figure 1: Low-fi Prototype Toolbar sketch

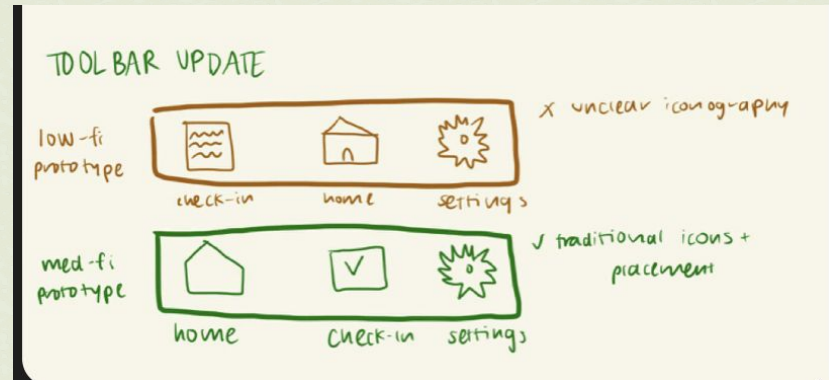
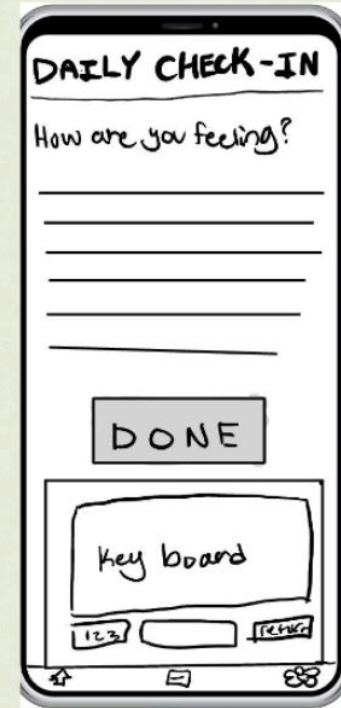


Figure 2: Comparison of our two prototype toolbars

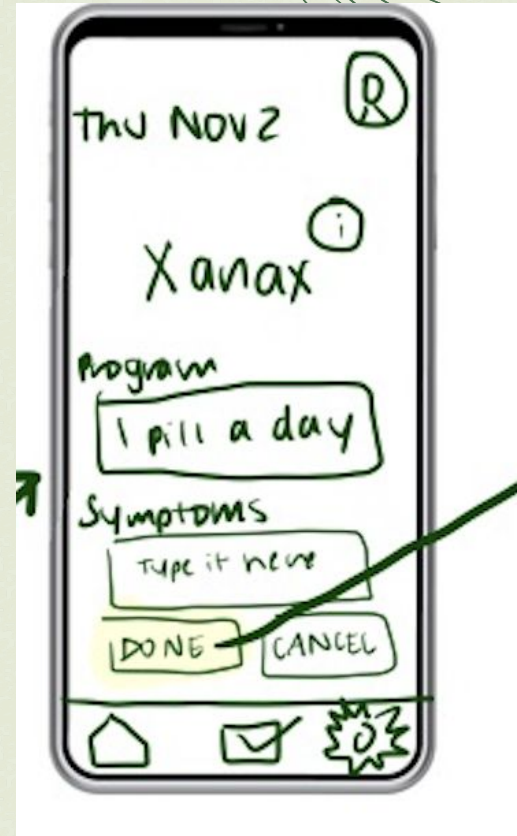
Major Change #2: Combination of simple + moderate task

We changed this based on our reevaluation of user goals. Previously, we had the simple and moderate task exist on two separate screens, but we decided that it would be more beneficial and accessible for a user to be able to see both tasks on the same screen. The user does not have to log their symptoms to complete the check-in, but can always come back and access the symptom logging feature at a later time.



Low-fi: Simple and moderate task

Major Change #2: Combination of simple + moderate task

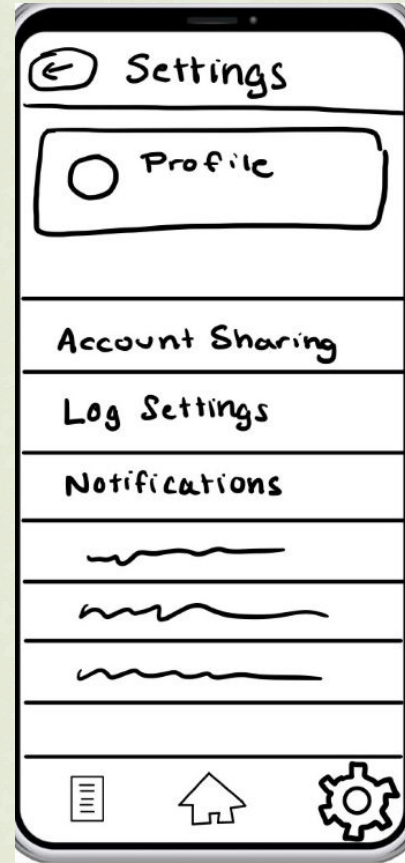


Med-fi: Simple and moderate task

Major Change #3: Separating the profile from the settings

This came from our reevaluation of user goals and stemmed from our conversation about our toolbar. We decided that in our low-fi prototype, the settings screen felt too cluttered. We had combined both the user profile with the settings bar, so that they could edit accordingly.

By making the profile accessible on the home screen, the user will feel as though their information is more unique to them, while the settings act as a more system preferences screen.

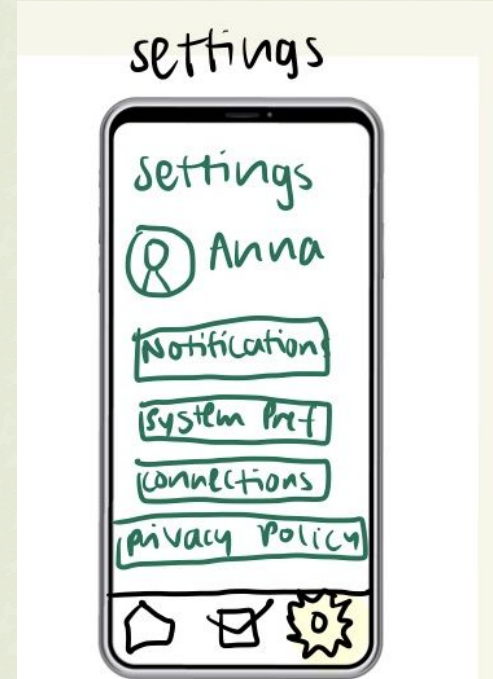


Low-fi: Settings screen


Major Change #3: Separating the profile from the settings



Med-Fi Profile page



Med-Fi Settings page



05

Medium-fi Task Flows

Simple Task: Daily Check-in on Medication Use

The image illustrates a medication management app interface through five sequential screens:

- Screen 1 (Home):** Greeting "Hello, Anna", "Connected People" section (Active/Offline), and a 3D island graphic.
- Screen 2 (Today's Plan):** Lists medications for "Thu, 2 Nov":
 - Ativan: 1 pill once per day
 - Vitamin D3: 2 pill once per day
 - Aspirin: 1 pill once per day
 - Adderall: 1 pill once per day
- Screen 3 (Ativan Detail):** Shows "4/14 days done", "10 days away from receiving a pine tree", and "Program: 1 pill once per day at 8:00 AM".
- Screen 4 (Ativan Info):** Pop-up card stating: "This medication is used to treat anxiety. Lorazepam belongs to a class of drugs known as benzodiazepines which act on the brain and nerves (central nervous system) to produce a calming effect. This drug works by enhancing the effects of a certain natural chemical in the brain." (Note: The text in the image contains some errors, such as "Lorazepam" instead of "Ativan").
- Screen 5 (Today's Plan - Completed):** Shows Ativan with a "5 days streak" and a green checkmark, indicating successful completion.

Moderate Task:

Logging symptoms for a medication

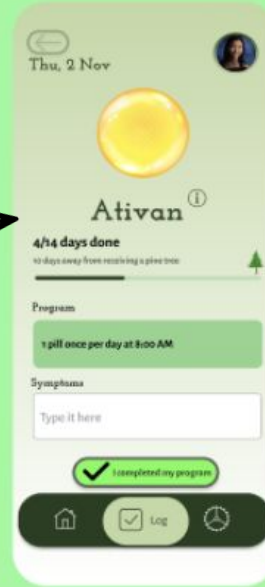
Home Frame



Option Screen



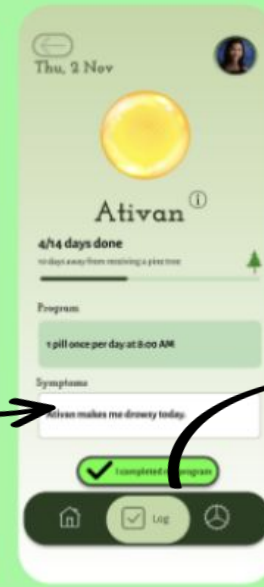
Ativan Screen



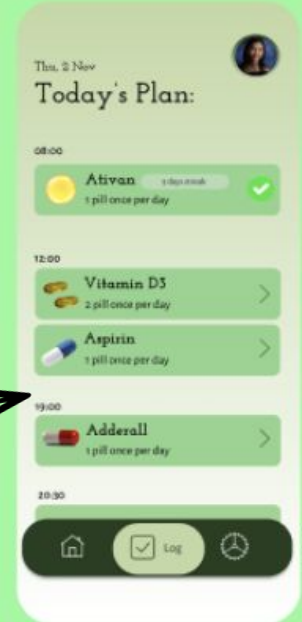
Ativan Screee...



Ativan Screee...



Option Screee...



Complex Task

Tracking and sharing medication usage with another user





06

Prototype Implementation

About our Med-Fi Implementation

Tools

Our med-fi prototype was created through Figma (similar to our low-fi prototype).

Pros: we were able to fully flesh out the design of our prototype, in addition to starting to add functionality.

Cons: iterations can be more time consuming, prototype doesn't remember user information/progress

Limitations

- All of our tasks are implemented, but many of our extra features (including our main value proposition) are not implemented yet
- All information is already pre-populated (see next slide for all pre-populated areas), so the user is not fully interacting with the app by themselves.

Hard-Coded and Wizard-Of-Oz Features

In order to simulate the data-oriented features of this application we hard-coded number of elements:

1. The user's symptoms are autofilled and appear once the user clicks on the text field (hard-coded feature).
2. We also hard coded the user's connections (pre-populated list of other people) - people who users can share information or remind about medications.
3. Our garden visualization of a user's progress is hard-coded and does not update based on user input
4. Our report contains an overview of user's medication use with hard coded adherence rates and symptoms
5. The user's medication plan has also been prepopulated, without an option to add or edit additional medication.

What's Next

- Implement additional features to *Med-Fi*
 - Settings
 - Removing users
 - Adding milestones
- Improve data visualization in the calendar to account for irregular medication usage





Thanks!

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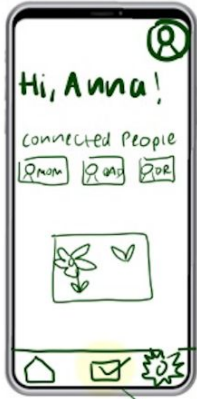
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Appendix

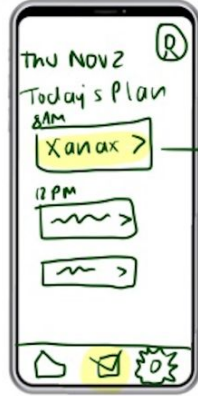
All Revised Interface Sketches - Simple Task

simple task:
check-in/track medication

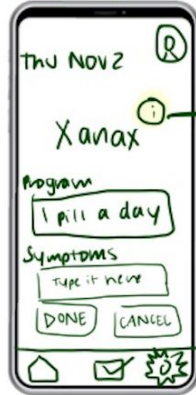
home screen



check-in screen



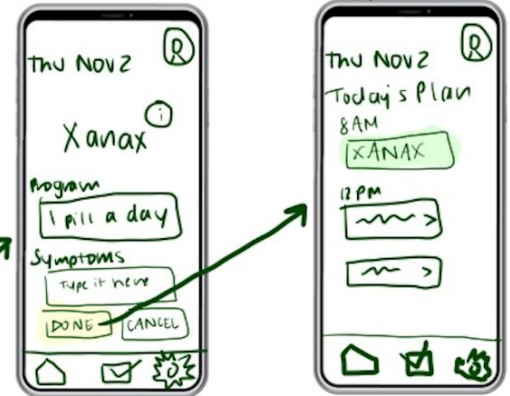
tracking screen



info screen



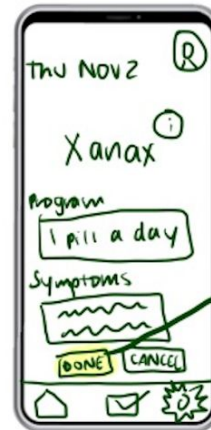
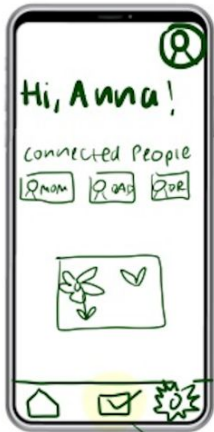
complete



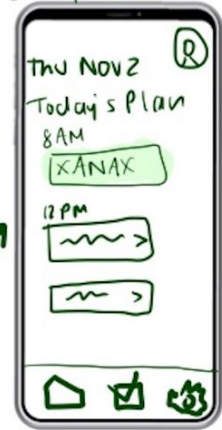
All Revised Interface Sketches - Moderate Task

moderate task:

logging symptoms/how patients are feeling

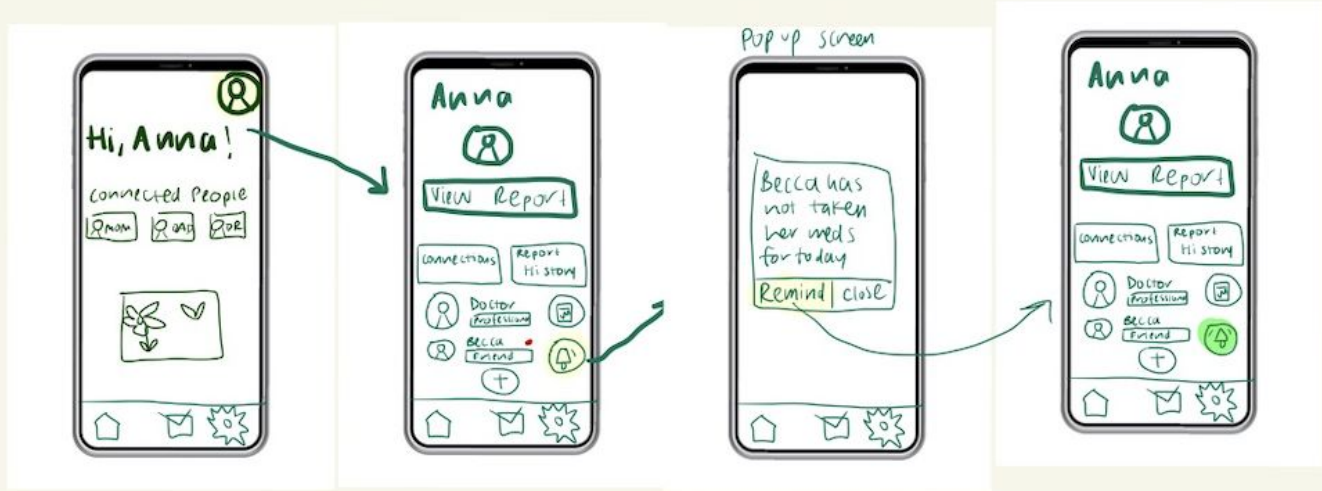


complete



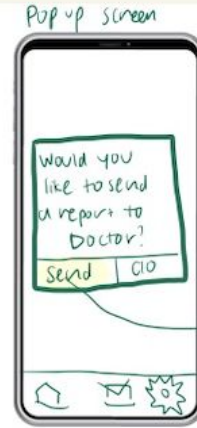
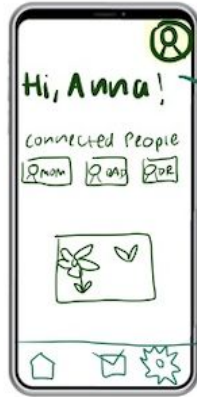
All Revised Interface Sketches - Complex Task

remind
connected
users



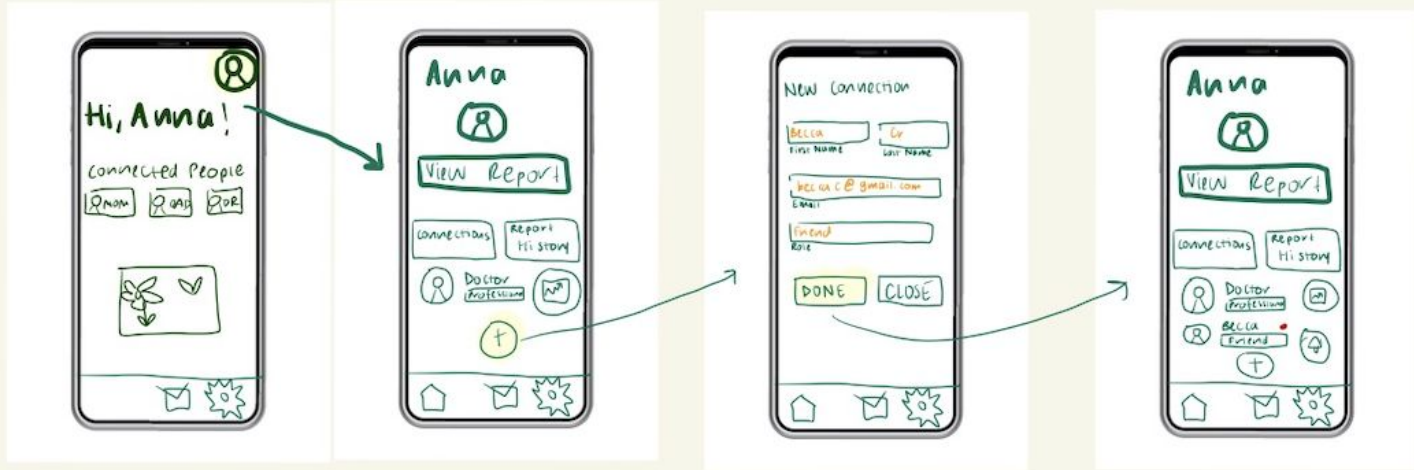
All Revised Interface Sketches - Complex Task

share reports w/ connected users

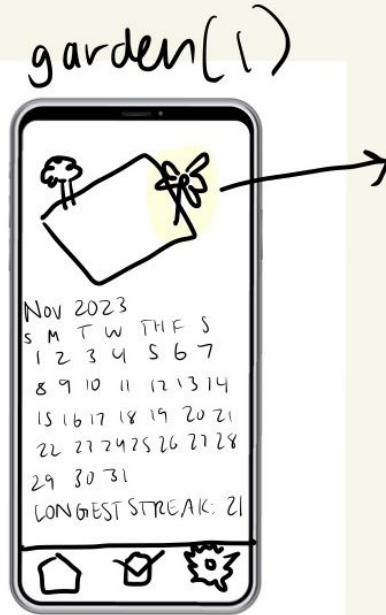


All Revised Interface Sketches - Complex Task

add
connected
user



Revised Interface Sketches - Garden Concept



Revised Interface Sketches - Home Screen

