



# Case study: cHEART app

A visual exploration how I helped redesign a medical app for Malaysian

# Overview of the project



## About it

cHEART is a healthcare app that enables users to record and store their health records through blockchain technology, and share them easily with doctors.



## My roles

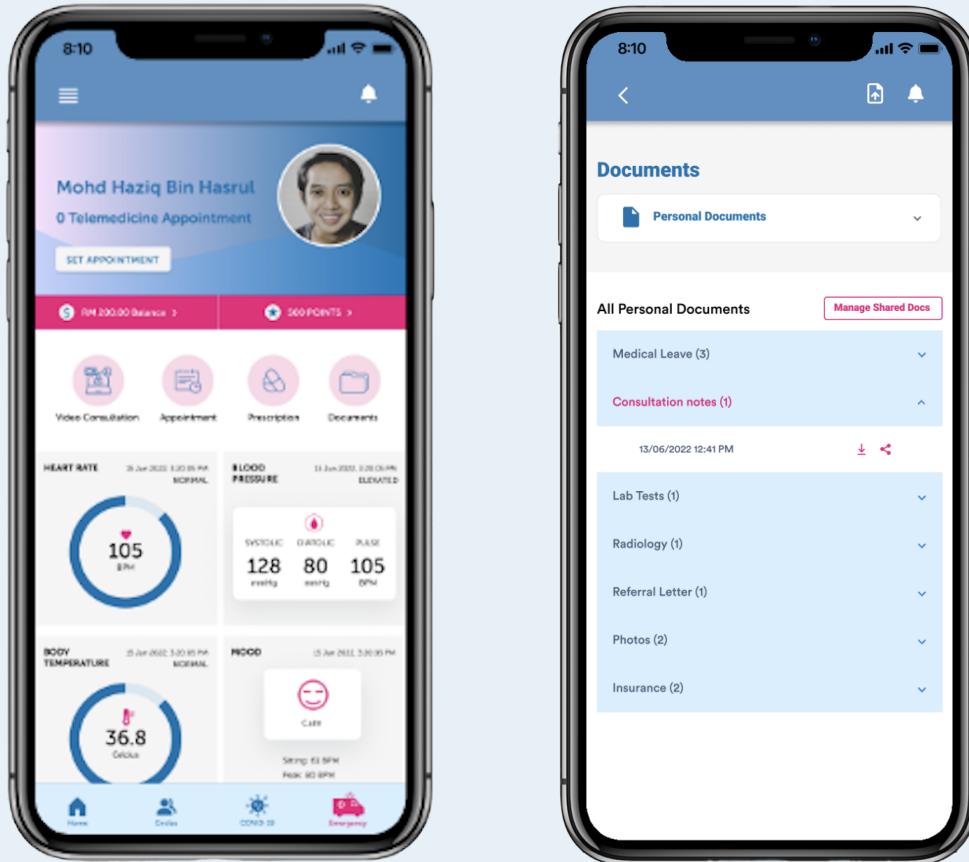
- UI/UX Designer



## Duration

2022

# The old UI



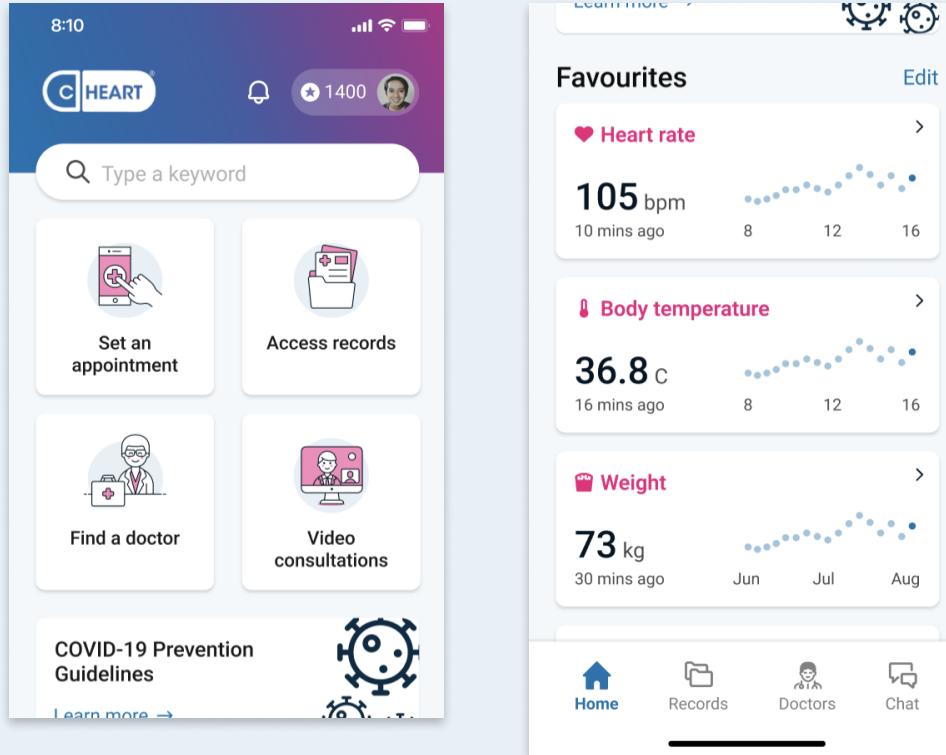
## What is the goal?

Data8, the company that created the cHEART app, approached us to redesign the entire app experience.

The other team ran a usability test on the old UI.

The experience on the old app felt outdated, and many of the components on the interface were not heuristically supported, such as bad contrast and small buttons that made it hard to tap.

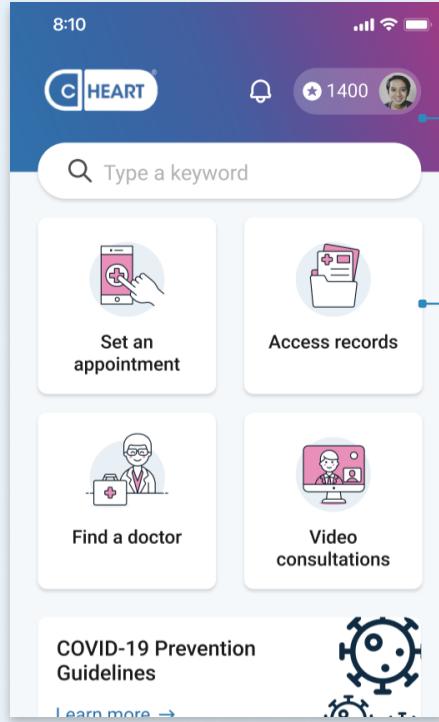
# Giving cHEART A Fresh New Look



## Creating the master design

I was in charge of creating the master design for cHEART, which means I needed to set the look and feel of the app that other designers would base their respective screens on.

# First iteration of the design

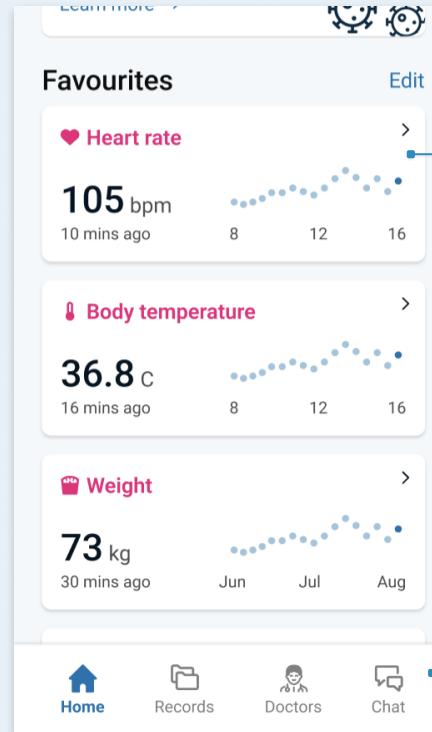


## Remain the brand colours of cHEART

Used different shades of blue and dark pink for the look and feel of the interface

## Bigger tappable card buttons and icons

Reapplied the colors of tappable cards for improved contrast, making it easier for users to read text or recognize icons instantly.



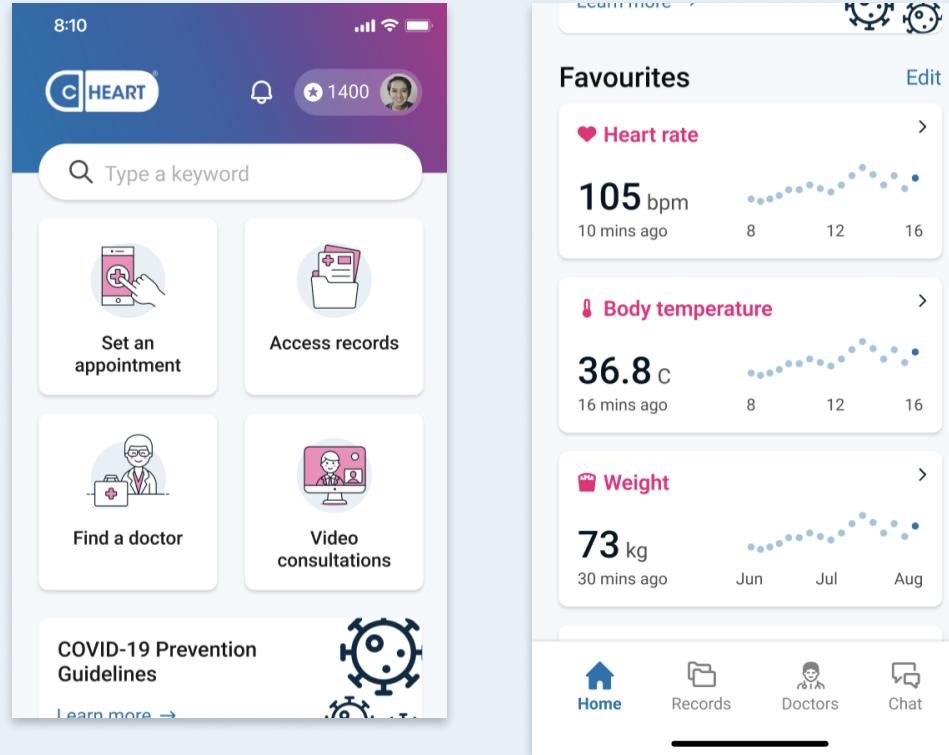
## Redesigned health vitals card for better readability

Made the numbers bigger and also provided some data visualisation for previous entries

## Newer colour contrast for better state indication

I also tested out with newer icon sets and colour schemes so that different states of the navigation buttons are visible and helpful for the users

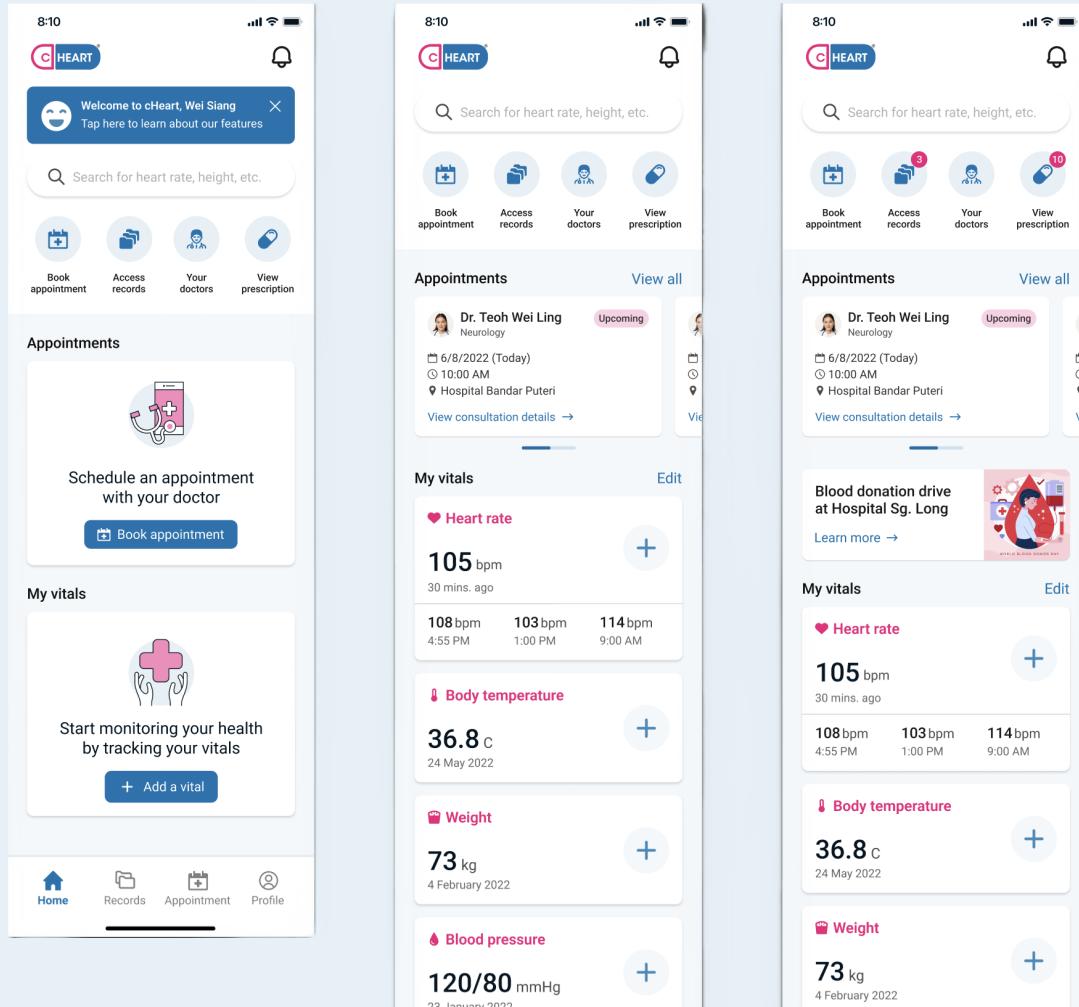
# Feedback from principal designer and clients



## Feedbacks

- Gradients were considered outdated and a simpler visual language was suggested.
- Visualising vital data using dots to chart a graph in the favourites section may not be ideal, as it might not work well for different kinds of vital information, and might not be visible to older users.
- Clients generally like the newer layout but would prefer to have smaller buttons to fit in more quick actions in the future.

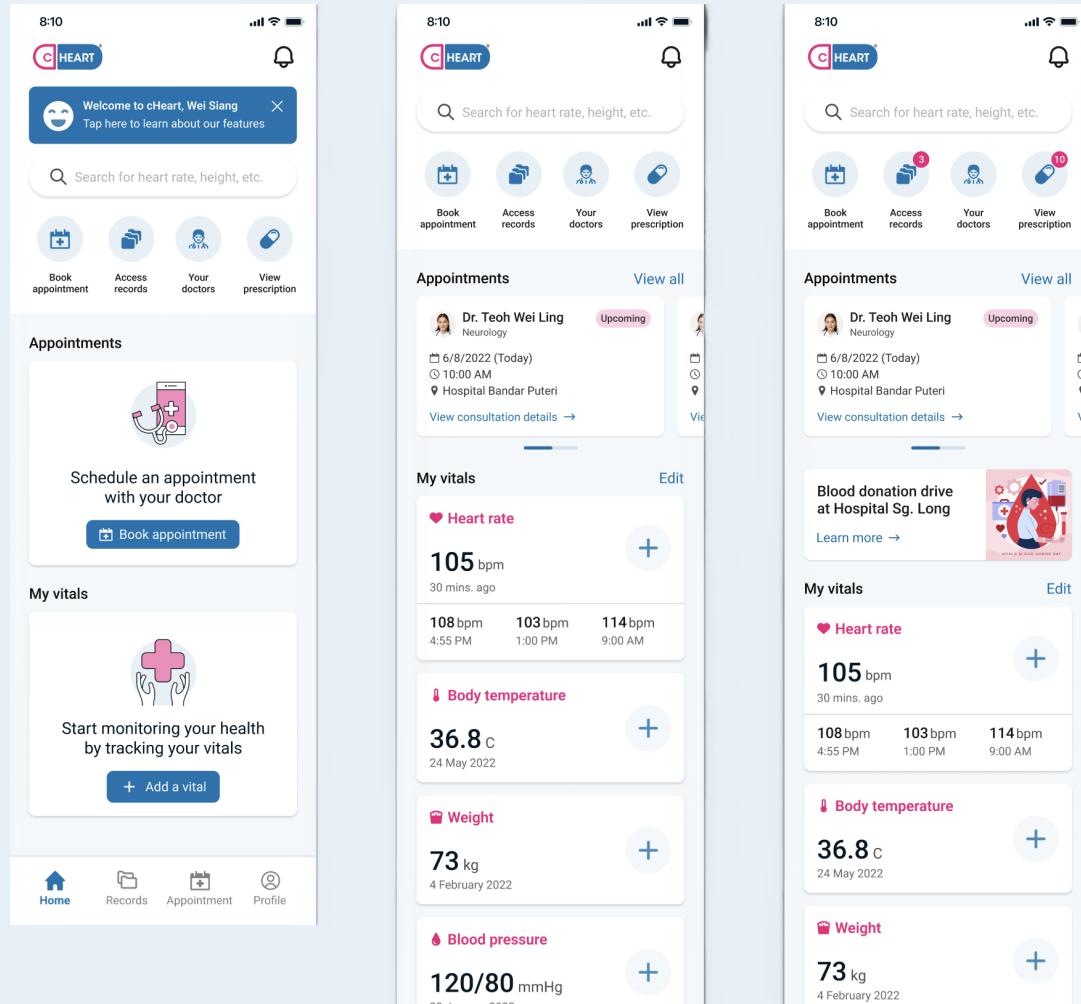
# Second iteration



## Changes that I applied for the 2nd iteration:

- Removing the gradient background and using a message banner with a smiley face can create a more welcoming and positive experience for new users.
- Reintroducing smaller buttons with specific and easily identifiable icons can make the interface more user-friendly, as long as they are still large enough to be comfortable for users to tap on with their fingers.

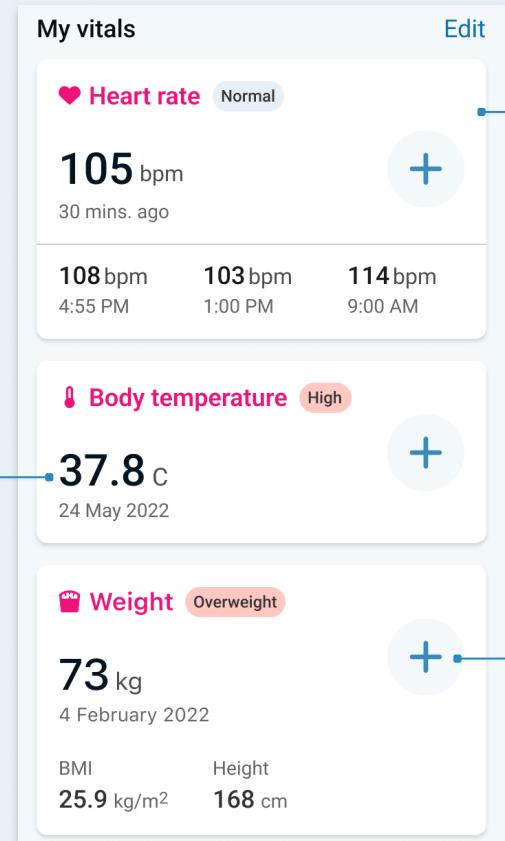
# Second iteration



Changes that I applied for the 2nd iteration:

- Creating more states for the home screen can provide users with a better understanding of the app's features and interactions, making it easier for them to navigate the app.

# Visualising health data



## Reusable and clear

The vital section cards were completely redesigned to be reusable for different kinds of vital data without losing clarity.

Users can easily view their latest health data and the numbers are made larger to cater to elderly users.

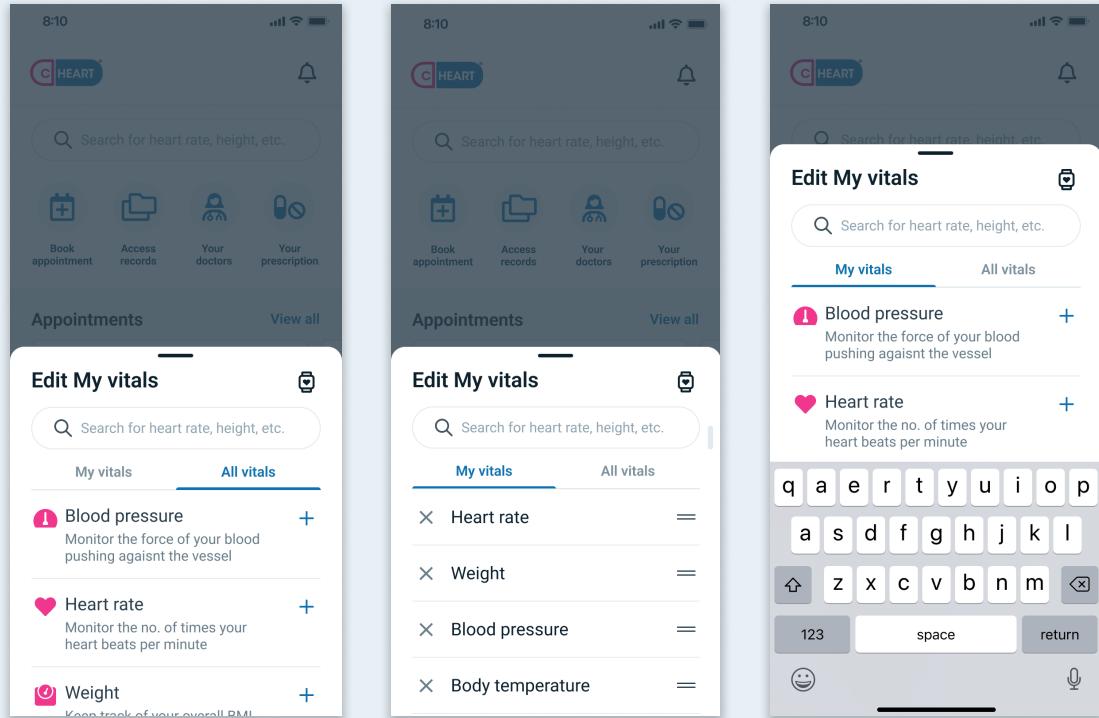
## Newer card designs

The old UI had different visualizations for health metrics, but they were not standardized, making it difficult to interpret.

## Adding new entries

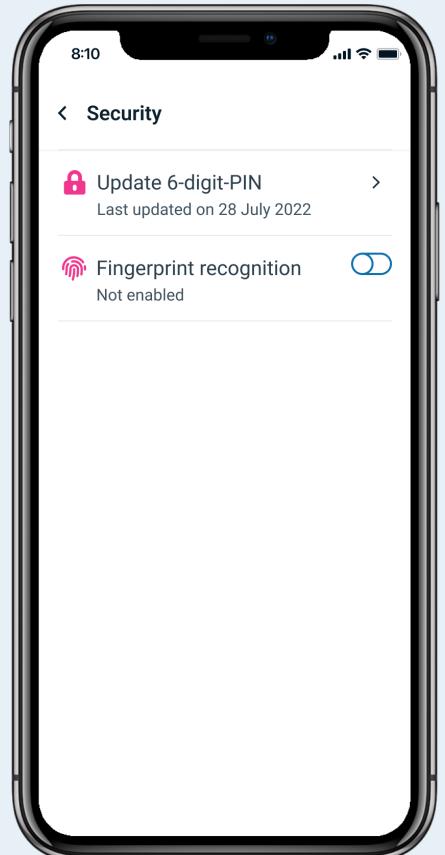
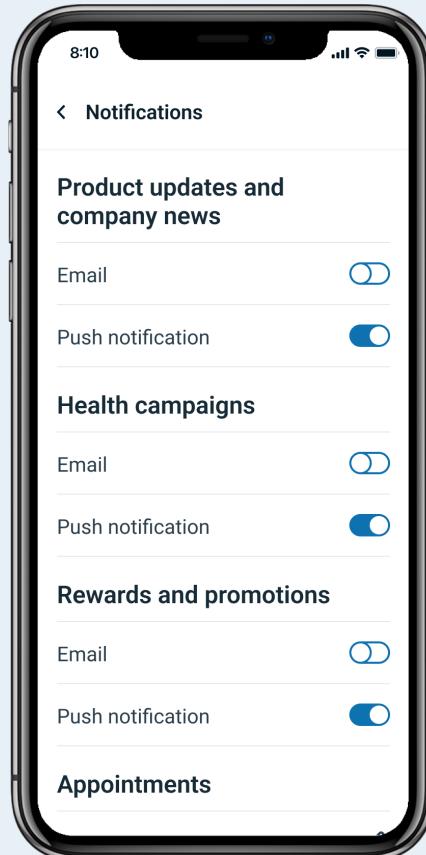
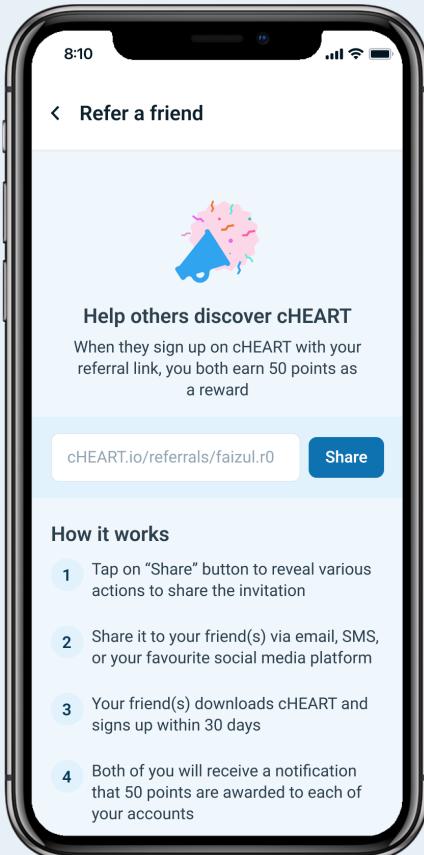
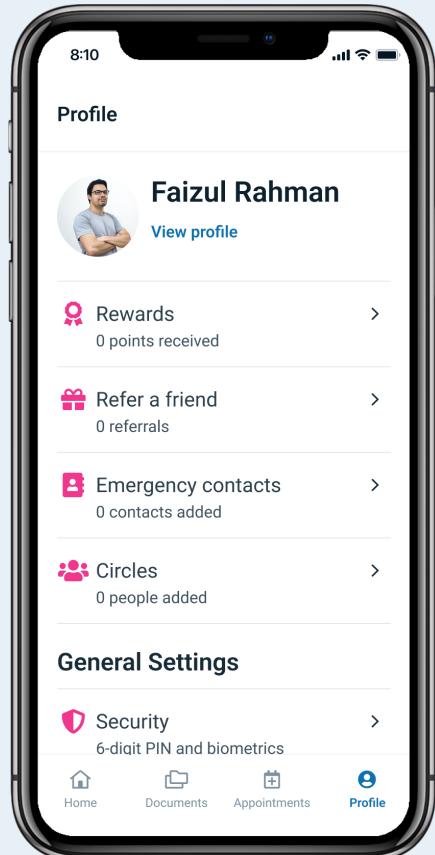
Users can also add new entries by tapping on the plus icon button on the right.

# Enable customisation for vital cards

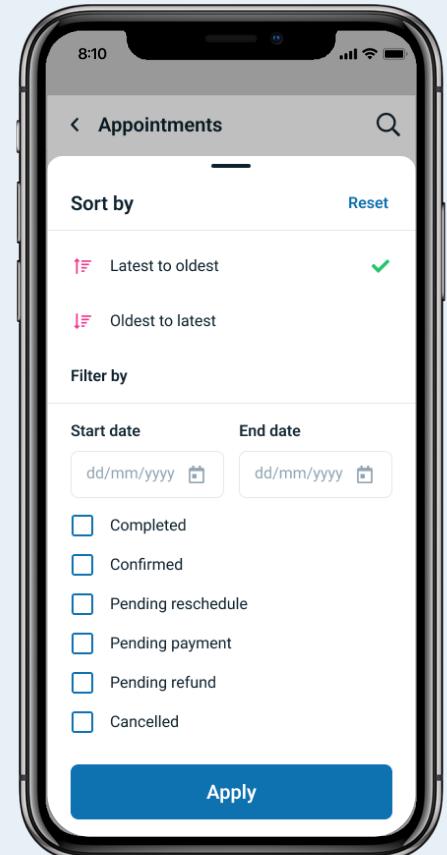
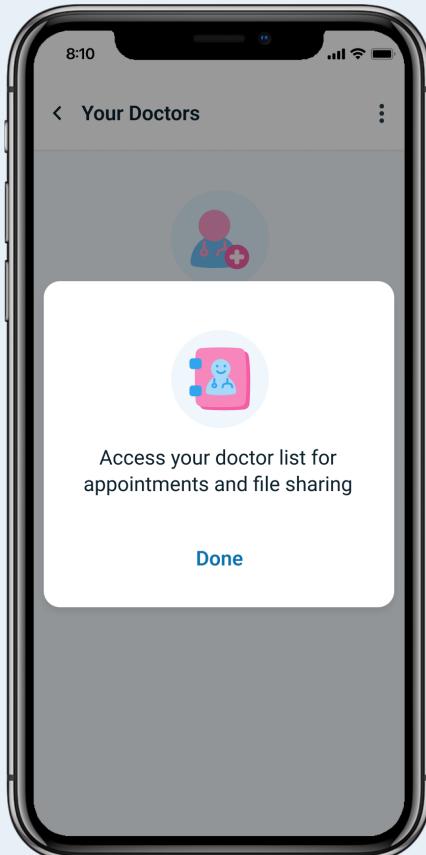
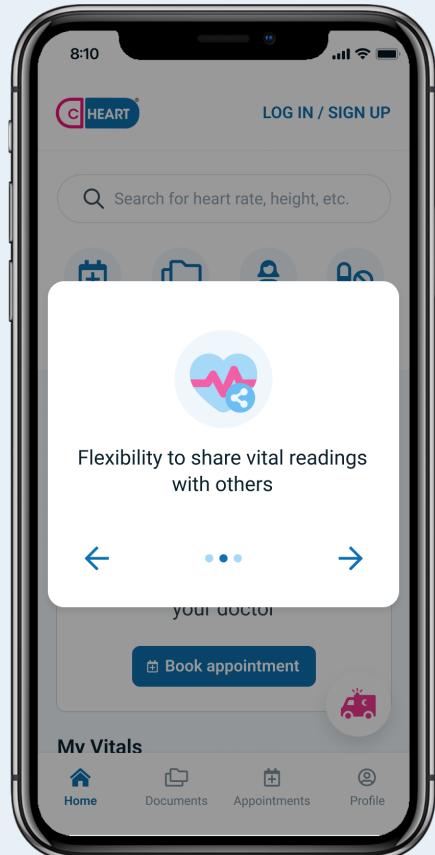


To cater to users who may not need to view their heart rate on every app launch, I have included a customisation option that allows users to choose which vitals are displayed first.

# Other screen designs done by me



# Other screen designs done by me



# Handover and new app update



The cHEART team was very happy with the work that we delivered and in early 2023 the app was re-launched with the new UI that we had designed.

It is still in-progress and I hope to see everything inside the app to be implemented soon to enable users to have better access and management of their health records.

You can download the cHEART app from the [AppStore](#).