

MediTrack

FA PRESENTATION

by yee en tong

Description

MediTrack is designed to help users manage their daily medications more confidently through reminders, intake confirmation, and clear medication information. In addition to medication tracking, the app allows users to view their medication progress, organise schedules, and access healthcare support through doctor listings, appointments, and in-app communication. With a simple and user-friendly interface, MediTrack reduces reliance on memory and supports users during busy or disrupted routines.

01

Problem

Many users rely on memory or physical tools, such as pill boxes or handwritten notes, to manage their medications.

This can lead to forgetfulness, uncertainty about whether a medication has been taken, or confusion when routines are disrupted. These challenges may result in missed doses or incorrect intake, particularly for users managing multiple medications or busy daily schedules.

Goal

To support users in managing their medications more reliably by providing reminders, clear medication details, and intake confirmation, while offering easy access to schedules and healthcare support to reduce forgetfulness and uncertainty.

UX Research

(Student Interview)

How often do you forget to take your medication?

“I forget to take my medication about once every two months, usually when my routine changes.”

What causes you to miss or take medication incorrectly?

“I rely mostly on my memory, so when I’m busy or distracted, I sometimes forget.”

04

How do you currently manage your medications?

“I use a daily pill organiser to keep track of my medication.”

What challenges do you face when taking medication?

“I sometimes get confused about the exact dosage and whether I’m taking the correct medication.”

Insights

Insight 1

User rely heavily on memory to manage medication

Insight 2

Confusion around dosage and medication type highlights the need for clear, accessible medication details.

Insight 3

User feel uncertain if a dose has already been taken

Insight 4

Physical pill organisers help but lack reminders

User Persona 1

Ong Yi Fei



Age : 19

Occupation: Student

"Sometimes I can't remember if I've already taken my medicine."

06

Background Information:

Busy student with a part-time schedule, manages his own medication occasionally.

Goals:

- Remember to take medication on time
- Avoid uncertainty about whether a dose has been taken
- Keep track of medication intake easily

Interest:

- Staying healthy and active
- Managing his daily routine efficiently

Motivation:

- To avoid mistakes with dosage or missing doses
- To feel in control of his health

Frustrations:

- Relies on memory, sometimes forgets doses
- Unsure if he has already taken his medication

User Stories 1

Ong Yi Fei



Age : 19

Occupation: Student

"Sometimes I can't remember if I've already taken my medicine."

Medication Reminders

As a user, I want to receive medication reminders so that I do not forget to take my medication during busy or disrupted routines.

Intake Confirmation

As a user, I want to mark a medication as taken so that I can clearly know whether I have already taken my dose.

Visual Dosage Guidance

As a user, I want to see clear and simple dosage information for each medication so that I do not get confused or take the wrong amount..

User Persona 2

kaelyn lee



Age : 23

Occupation: Office worker

"With so much going on at work, I need a quick way to check if I've taken my meds."

08

Background Information:

Young professional working full-time at an office. Takes daily medication for a minor health condition and often has a variable schedule.

Goals:

- Take medication on time despite a busy workday
- Keep track of multiple medications without mistakes
- Quickly confirm whether a dose has been taken

Interest:

- Staying healthy to maintain work performance
- Efficiently managing personal routines and tasks

Motivation:

- To prevent missing doses or taking the wrong medication
- To have a simple, reliable way to monitor her medication intake

Frustrations:

- Sometimes forgets medication when work or social life gets busy
- Finds it inconvenient to manually track which dose was already taken

User Stories 2

kaelyn lee



Age : 23

Occupation: Office worker

"With so much going on at work, I need a quick way to check if I've taken my meds."

Medication Reminders

As a user, I want to receive timely medication reminders so that I can take my doses even during a busy workday or unexpected schedule changes.

Intake Confirmation

As a user, I want to mark a medication as taken so that I can quickly confirm which doses I have already completed.

Visual Dosage Guidance

As a user, I want clear visual information about my medications, including dosage and type, so that I avoid mistakes even when I'm distracted at work.

Journey Map

	Wake up → Review Medications → Take Medication → Mark intake → End of day				
ACTIONS	check for any meds to take	look at which meds to take.	takes the med	marks pill on the app	checks daily progress
emotions & pain points	 unsure	 worried	 accomplished	 satisfied	 happy
	feel ready to start the day but unsure what med to take.	confused by multiple meds, worried about mistakes	feels accomplish for taking meds on time	satisfied he tracked his meds	feels good seeing progress
Opportunities	home screen show today meds list	visual dosage guidance etc	Confirmation feature	check in button for each dose	Progress checking

Ideas

Idea 1

Mark-as-Taken Confirmation

providing visual confirmation to reduce uncertainty.

Idea 3

Medication Intake Progress

showing taken and missed doses to help users stay aware of their medication habits.

Idea 2

Daily Medication List

on the home screen to help users remember their doses.

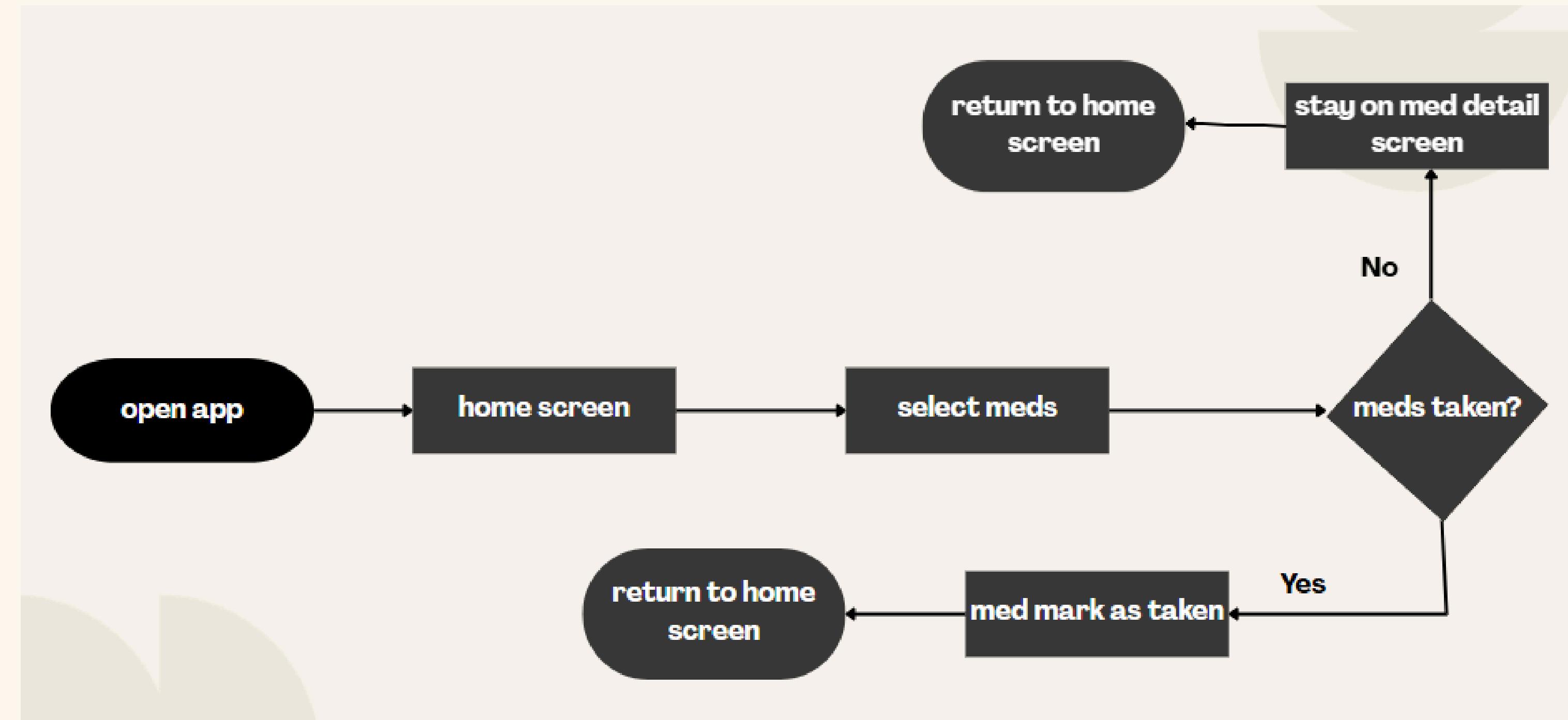
Idea 4

Visual Dosage Guidance

using simple text and pill visuals to reduce dosage confusion.

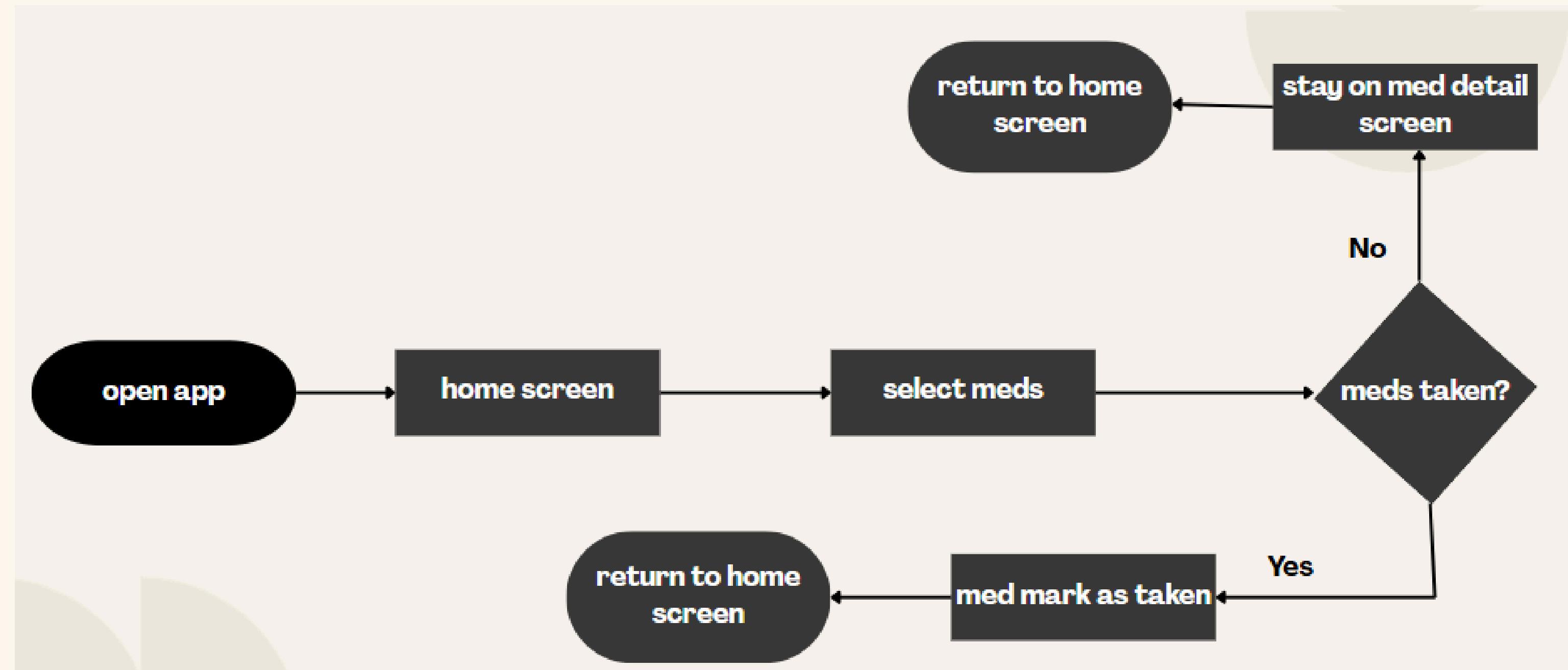
User Flow (Ong Yi Fei)

As a user, I want to mark a medication as taken so that I can clearly know whether I have already taken my dose.

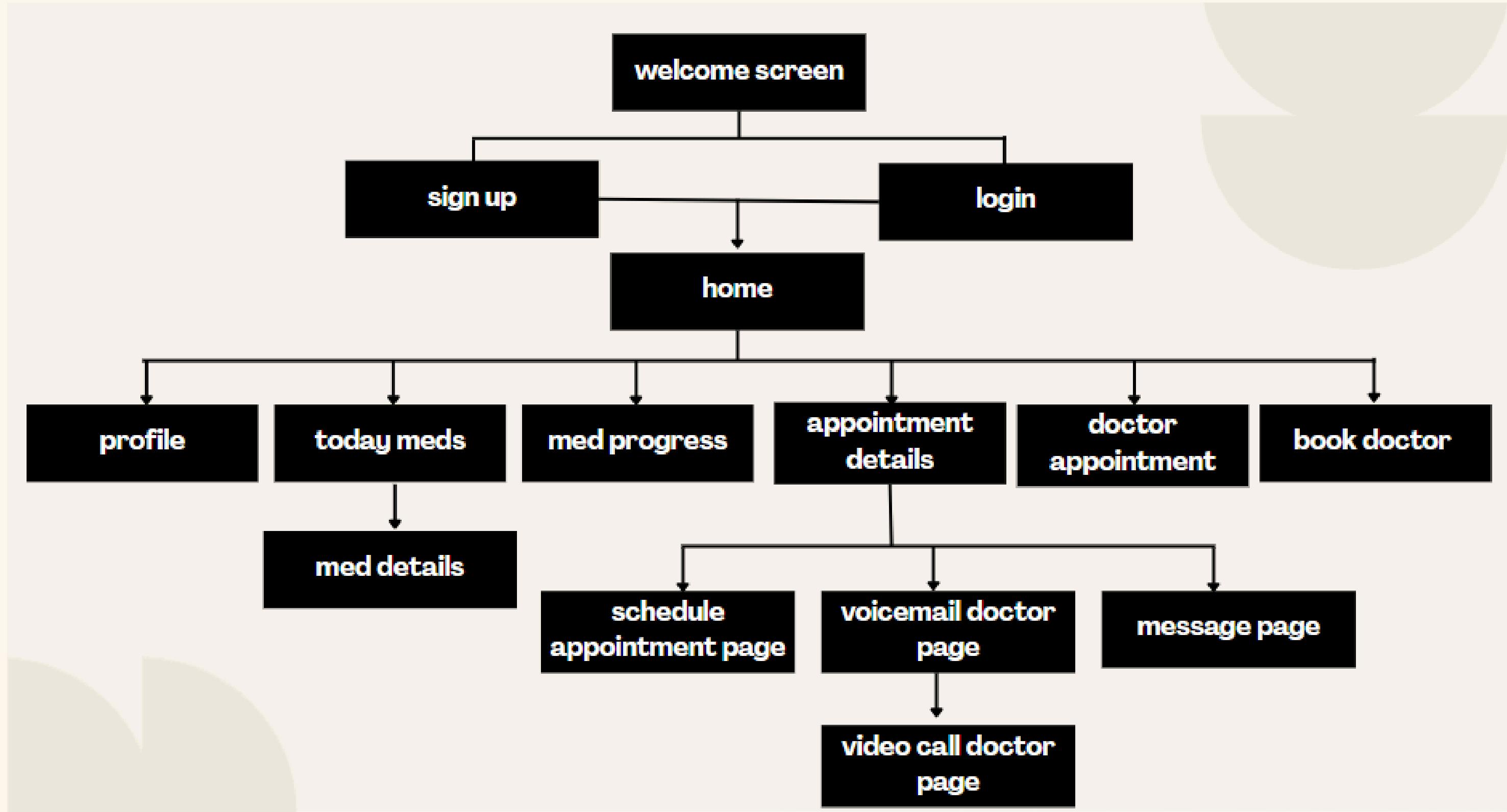


User Flow (kaelyn lee)

As a user, I want to mark a medication as taken so that I can clearly know whether I have already taken my dose.



SiteMap (15Pages)



LOW Fi

The image displays three wireframe screens for a mobile application named "MEDITRACK".

- WELCOME SCREEN:** Shows the app logo (a green alarm clock icon with a capsule inside) and the text "click anywhere to proceed".
- SIGN UP PAGE:** Features a large green alarm clock icon at the top. Below it is the word "LOG IN". There are four input fields: "Username..." (with a user icon), "Password..." (with a lock icon and an "eye" visibility toggle), "Mobile Number..." (with a phone icon), and "Email..." (with an envelope icon). Below the input fields are two buttons: "Log in" and "Sign up". A link "No account yet? Sign Up" is located at the bottom.
- LOG IN PAGE:** Features a large green alarm clock icon at the top. Below it is the word "SIGN UP". There are four input fields: "Username..." (with a user icon), "Password..." (with a lock icon and an "eye" visibility toggle), "Mobile Number..." (with a phone icon), and "Email..." (with an envelope icon). Below the input fields are two buttons: "Sign up" and "Log in". A link "Already have an account? Log In" is located at the bottom.

LOW Fi

The image displays three mobile application screens for a medication tracking app, titled "MEDI TRACK".

HOME PAGE

Welcome, Lucy

What do you need?

- Profile Page
- Today's Med
- Meds Progress
- Doctor List

PROFILE PAGE

PROFILE

Lucy Lee

HEALTH OVERVIEW

MEDS REMINDER

SETTINGS

- Change Password
- Change Email
- Delete Account

Log Out

TODAYS MEDS LIST

Lucy Lee August

1 M 2 T 3 W 4 TH 5 F 6 SA 7 SU

Today's Medication Details >

Morning

- Paracetamol pain relief 10:00 AM
- Amoxicillin bacterial infection 10:00 AM

Evening

- Ibuprofen inflammation reducer 6:00 PM
- Cetirizine allergy relief 6:00 PM

LOW Fi

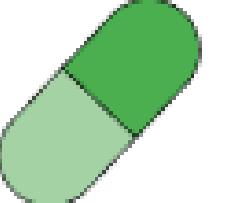
MEDS DETAILS



Lucy Lee August 

1 M	2 T	3 W	4 TH	5 F	6 SA	7 SU
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Paracetamol
Used to relieve mild pain and reduce fever.



500 mg 1 tablet

About Drug
Paracetamol is commonly used to relieve mild to moderate pain and reduce fever. It is gentle on the stomach when taken correctly. It is suitable for both adults and children.

Precaution
Do not exceed the recommended dosage

MEDS PROGRESS

PROGRESS TRACKER

← Day Week Month Year →

Medication Statistics
27 April - 3 May

M	T	W	TH	F	SA	SU
MORNING						
EVENING						
NIGHT						

Progress **Missed**

Running out of medication? Consult a doctor now!

< Dr Ho Lee Cardiologist – heart care specialist Call Now >

DOCTOR LIST PAGE

QUALIFIED DOCTORS

← FIND YOUR DOCTOR Just a click away! 

Dr Alexandra
Dermatologist
Skin specialist
"Glow starts from care."
 8.9 

Dr Bimduh
Psychiatrist
Mental health specialist
"Healing starts with understanding."
 9.5 

Dr Rishee
Gynecologist
Pregnancy care expert
"Care for women's health."
 9.5 

LOW Fi

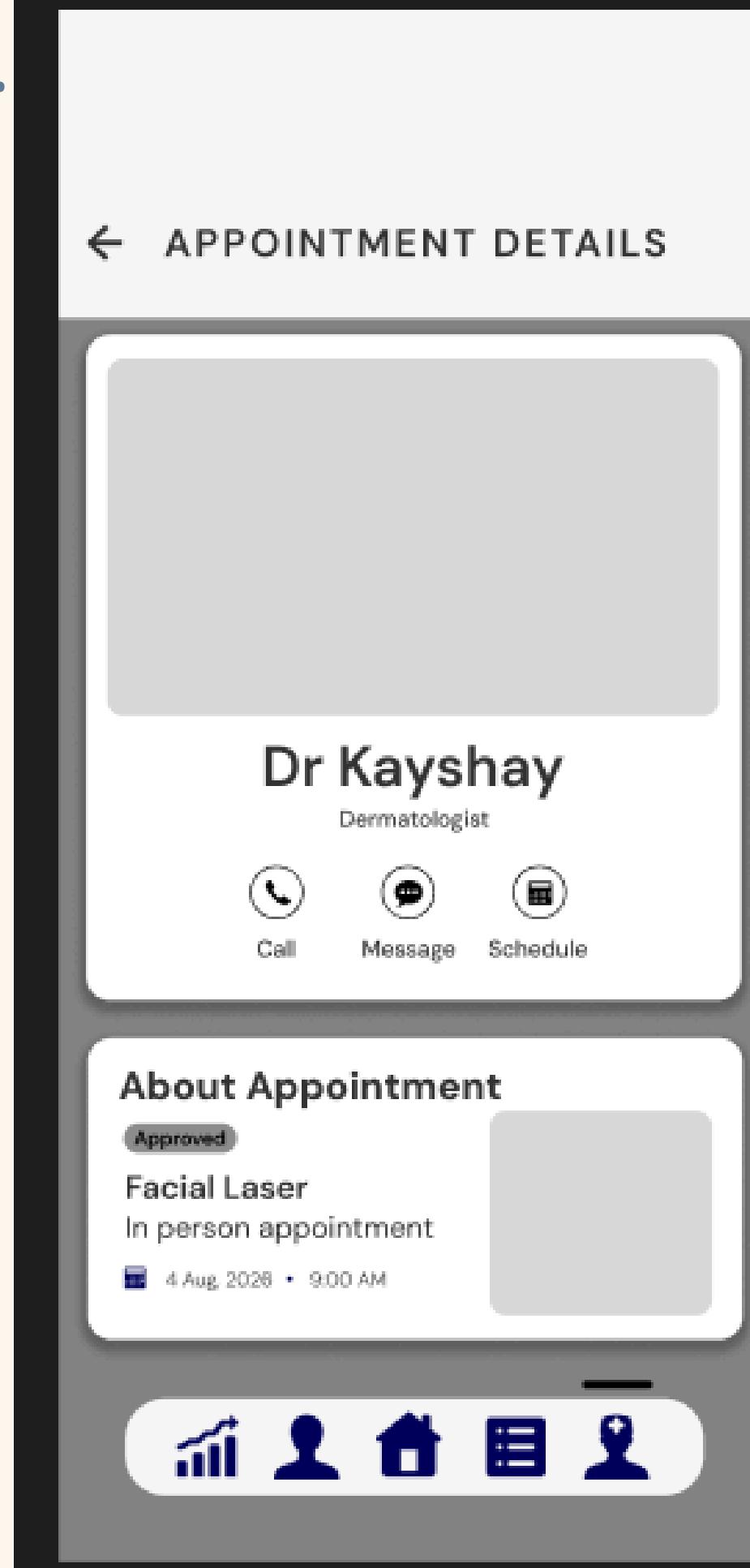
The image displays three mobile application screens side-by-side, illustrating a low-fidelity design approach. The screens are:

- CALLING DOCTOR PAGE:** Shows a placeholder for a doctor's profile picture, the name "Dr Bimdhu", and the title "Psychiatrist Mental health specialist". Below this are icons for speakerphone, telephone, and video call, all set against a background of a grey cloud.
- VIDEO CALLING DOCTOR PAGE:** Shows a placeholder for a doctor's profile picture, the name "DR KAYSHAY", and below it are icons for speakerphone, telephone, and video call.
- DOCTOR VISIT PAGE:** A list of appointments:
 - Approved:** Dr Alexandra, Dermatologist, Skin specialist, scheduled for 4 Aug. 2020 at 9:00 AM. Includes "Details" and "Call Doctor" buttons.
 - Pending:** Dr Alexandra, Dermatologist, Skin specialist, scheduled for 5 Aug. 2020 at 9:00 AM. Includes "Details" and "Call Doctor" buttons.
 - Declined:** Dr Alexandra, Dermatologist, Skin specialist. Includes a "Details" button.

Each screen features a header with a back arrow and the text "CONNECTING NOW ...". The overall aesthetic is minimalist and functional, using grayscale and simple icons.

Low Fi

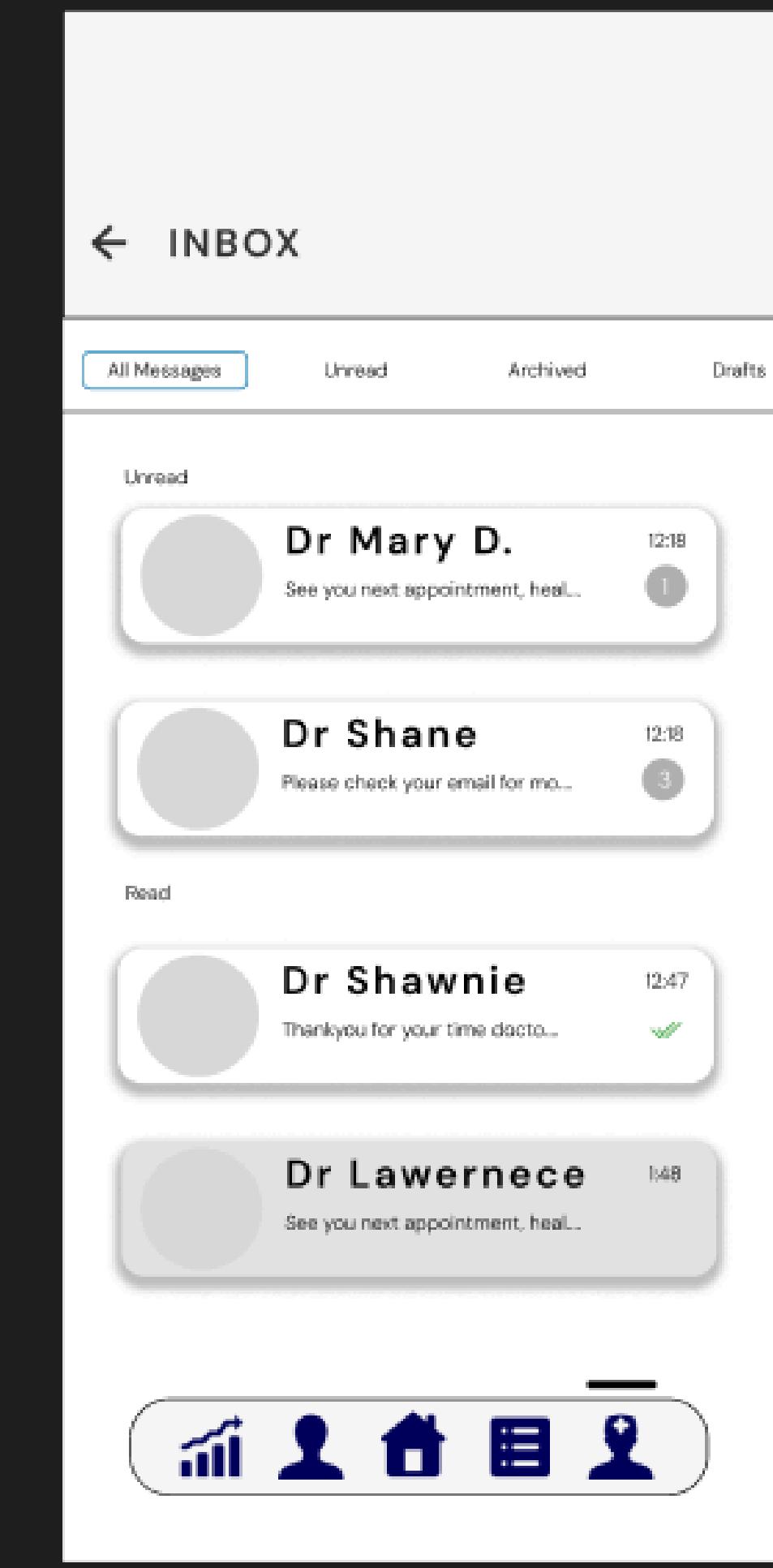
APPOINTMENT DETAILS PAGE



SCHEDULE PAGE



MESSAGE PAGE



High Fi

The image displays three mobile application screens for "MEDITRACK" against a light blue background with abstract circular patterns.

WELCOME SCREEN: The screen has a black header with the text "WELCOME SCREEN". Below the header is a large teal area containing the "MEDITRACK" logo (a green and white alarm clock icon) and the text "click anywhere to proceed".

SIGN UP PAGE: The screen has a black header with the text "SIGN UP PAGE". It features a large teal area with a central green and white alarm clock icon. Below the icon is the word "LOG IN". To the left of the "LOG IN" text is a "Username..." input field with a user icon. To the right is a "Password..." input field with a lock icon and an "Eye" icon for password visibility. Below these fields is a "forgot password?" link. At the bottom is a large blue "Log In" button. At the very bottom, it says "No account yet? [Sign Up](#)".

LOG IN PAGE: The screen has a black header with the text "LOG IN PAGE". It features a large teal area with a central green and white alarm clock icon. Below the icon is the word "SIGN UP". To the left is a "Username..." input field with a user icon. To the right is a "Password..." input field with a lock icon and an "Eye" icon. Below these fields is a "Mobile Number..." input field with a phone icon and an "Email..." input field with an envelope icon. At the bottom is a large blue "Sign up" button. At the very bottom, it says "Already have an account? [Log In](#)".

High Fi

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The image displays three screens of a mobile application named "MEDITRACK".

HOME PAGE: Shows a search bar, a welcome message "Welcome, Lucy", and four main menu items: Profile Page, Today's Med, Meds Progress, and Doctor List.

PROFILE PAGE: Displays a profile picture of Lucy Lee, her name, and a "HEALTH OVERVIEW" section for Paracetamol. It also includes a "SETTINGS" menu with options for Change Password, Change Email, and Delete Account, and a "Log Out" button.

TODAYS MEDS LIST: Shows a weekly calendar for August with daily medication reminders. The "Morning" section lists Paracetamol at 10:00 AM and Amoxicillin at 10:00 AM. The "Evening" section lists Ibuprofen at 6:00 PM. A "View Your Progress" button is also present.

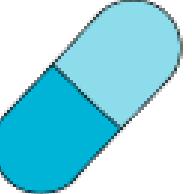
High Fi

MEDS DETAILS



Lucy Lee August 

1 M	2 T	3 W	4 TH	5 F	6 SA	7 SU
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Paracetamol
Used to relieve mild pain and reduce fever.



500 mg



1 tablet

About Drug
Paracetamol is commonly used to relieve mild to moderate pain and reduce fever. It is gentle on the stomach when taken correctly. It is suitable for both adults and children.

Precaution
Do not exceed the recommended dosage.





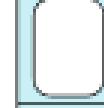
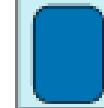
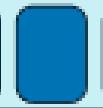
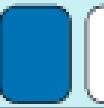
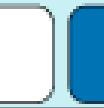
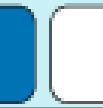
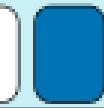
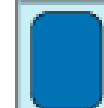
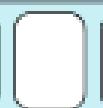
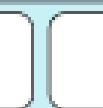


MEDS PROGRESS

 **PROGRESS TRACKER**

Day
Week 
Month
Year

Medication Statistics
27 April - 3 May 

							MORNING
							EVENING
							NIGHT
M	T	W	TH	F	SA	SU	
							
							
							

Progress : 3/4



Missed: 1/4



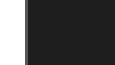
Running out of medication? Consult a doctor now!



Dr Ho Lee
Cardiologist – heart care specialist







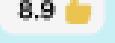
BOOK DOCTOR LIST PAGE

 **QUALIFIED DOCTORS**

FIND YOUR DOCTOR
just a click away! 



Dr Alexandra
Dermatologist
Skin specialist
"Glow starts from care."

[Book Now](#) 



Dr Bimduh
Psychiatrist
Mental health specialist
"Healing starts with understanding."

[Book Now](#) 



Dr Rishee
Gynecologist

[View Appointments](#)









High Fi

CALLING DOCTOR PAGE

← CONNECTING NOW ...

Dr Kayshay

Psychiatrist Mental health specialist

0:03

Speaker icon, Phone icon, Video icon

Graph icon, Person icon, Home icon, List icon, Person icon

VIDEO CALLING DOCTOR PAGE

← CONNECTING NOW ...

DR KAYSHAY

Speaker icon, Phone icon, Video icon

DOCTOR VISIT PAGE

APPOINTMENTS

Search... (green leaf icon)

Approved

Dr Alexandra
Dermatologist
Skin specialist
4 Aug, 2020 • 9:00 AM

Details Call Doctor

Pending

Dr Rays
Psychiatrist
Mental health specialist
4 Aug, 2020 • 9:00 AM

Details Call Doctor

Completed

Dr Lynn
Gynaecologist

Graph icon, Person icon, Home icon, List icon, Person icon

High Fi

APPOINTMENT DETAILS PAGE

← APPOINTMENT DETAILS



Dr Kayshay
Dermatologist

Call Message Schedule

About Appointment

Approved

Facial Laser
In person appointment

4 Aug 2020 • 8:00 AM



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SCHEDULE PAGE

← SCHEDULE APPOINTMENT

OCTOBER

SELECT DATE

M	T	W	TH	F	SA	SU
1	2	3	4	5		
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26

SELECT TIME

16 OCTOBER
9:00 AM

NEXT SLOT

SEND CONFIRMATION SMS

Book Appointment

MESSAGE PAGE

← INBOX

All Messages Unread Archived Drafts

Unread

Dr Mary D. 12:18
See you next appointment; have...

Dr Shane 12:18
Please check your email for mo...

Read

Dr Shawnie 12:47
Thankyou for your time doctor...

Dr Lawernece 14:08
See you next appointment; have...

Usability Testing

Goal:

To evaluate how easily users can manage their medications using MediTrack, including:

- **Checking today's medication list**
- **Viewing dosage information**
- **Marking medications as taken**
- **Booking a doctor appointment (optional for busy users)**

Scope:

The test will focus on the following features:

- Today's Medications List Page
- Medication Details Page
- Mark-as-Taken Confirmation
- Visual Dosage Guidance
- Meds Progress Page
- Doctor List & Appointment Booking Pages

Target users:

Age: 18–35 (students and young professionals)

Tech proficiency:

Moderate (comfortable with smartphones and apps)

Behaviour:

Currently takes daily or occasional medication, may forget doses, relies on memory or physical pill organisers

Test Task:

- Open the app and check today's medication list
- Mark a medication as taken
- View dosage details for a specific medication
- Track progress of medication intake for the day
- (Optional) Search for a doctor and book an appointment

Test Environment:

- Prototype viewed on a smartphone or tablet (Figma interactive prototype)
- Conducted remotely via screen sharing or in-person
- A quiet environment free from distractions

Success metrics:

- **Time taken to complete each task**
- **Task completion rate (success vs. failure)**
- **Errors made (e.g., marking wrong medication, confusion on dosage)**
- **User satisfaction / subjective rating (1–5)**

Test Procedures

STEP-BY-STEP FOR FACILITATOR:

- 1. Welcome participant, explain purpose (no right/wrong answer)**
- 2. Ask participant to perform Task 1 (checking today's meds) while thinking aloud**
- 3. Record completion time, errors, and comments**
- 4. Repeat for all tasks**
- 5. Ask user to rate overall experience and provide feedback**

Analysis Plan

- 1. Record task completion, errors, and time**
- 2. Identify common pain points**
- 3. Summarise insights into key findings table: Participant ID, Task, Feedback, Issue, Severity, Recommendation**
- 4. Use findings to refine prototype for better usability**

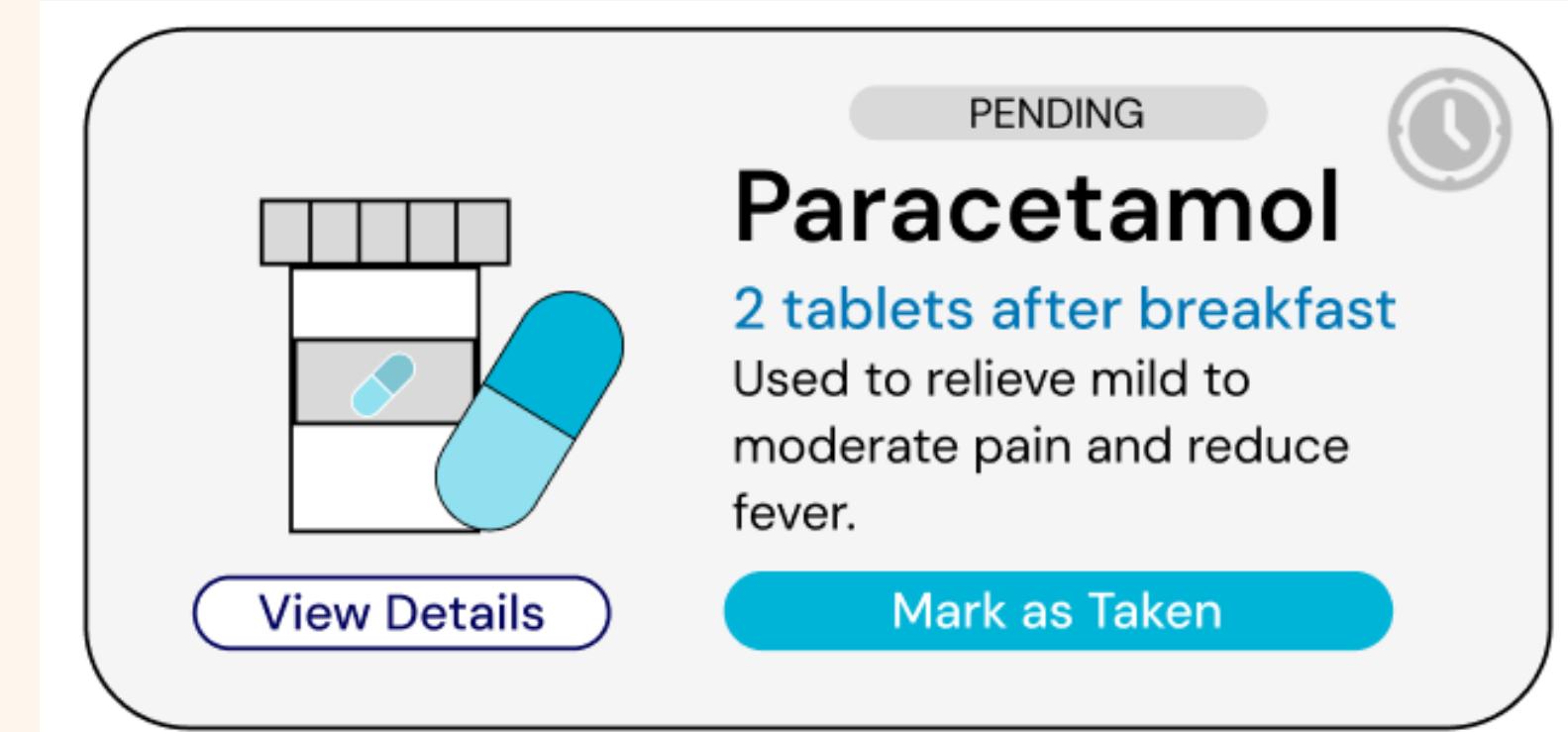
Usability Test report

Participant ID	Task	Feedback	Issue	Severity	Recommendation
P1	Check today's meds	"I can see all meds clearly, very simple"	None	Low	Keep layout as-is
P1	Mark as taken	"I wasn't sure which button to tap first"	Confusion with button placement	Medium	Move "Mark as Taken" button closer to medication name
P1	View dosage	"Dosage info is clear"	None	Low	N/A
P1	Track progress	"I like seeing what I've taken today"	None	Low	N/A
P1	Book doctor	"It took a few steps to find a doctor"	Navigation slightly unclear	Medium	Add shortcut from home page

Improvements

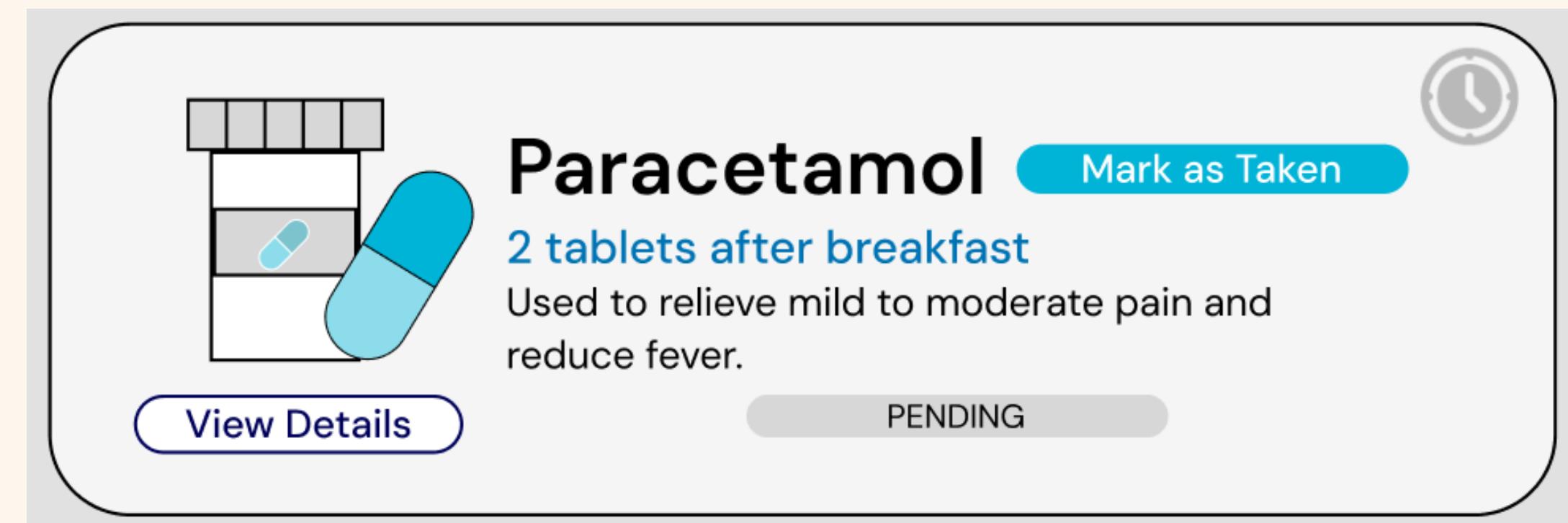
BEFORE

MARK-AS-TAKEN BUTTON BELOW MEDICATION (TODAY'S MEDS)



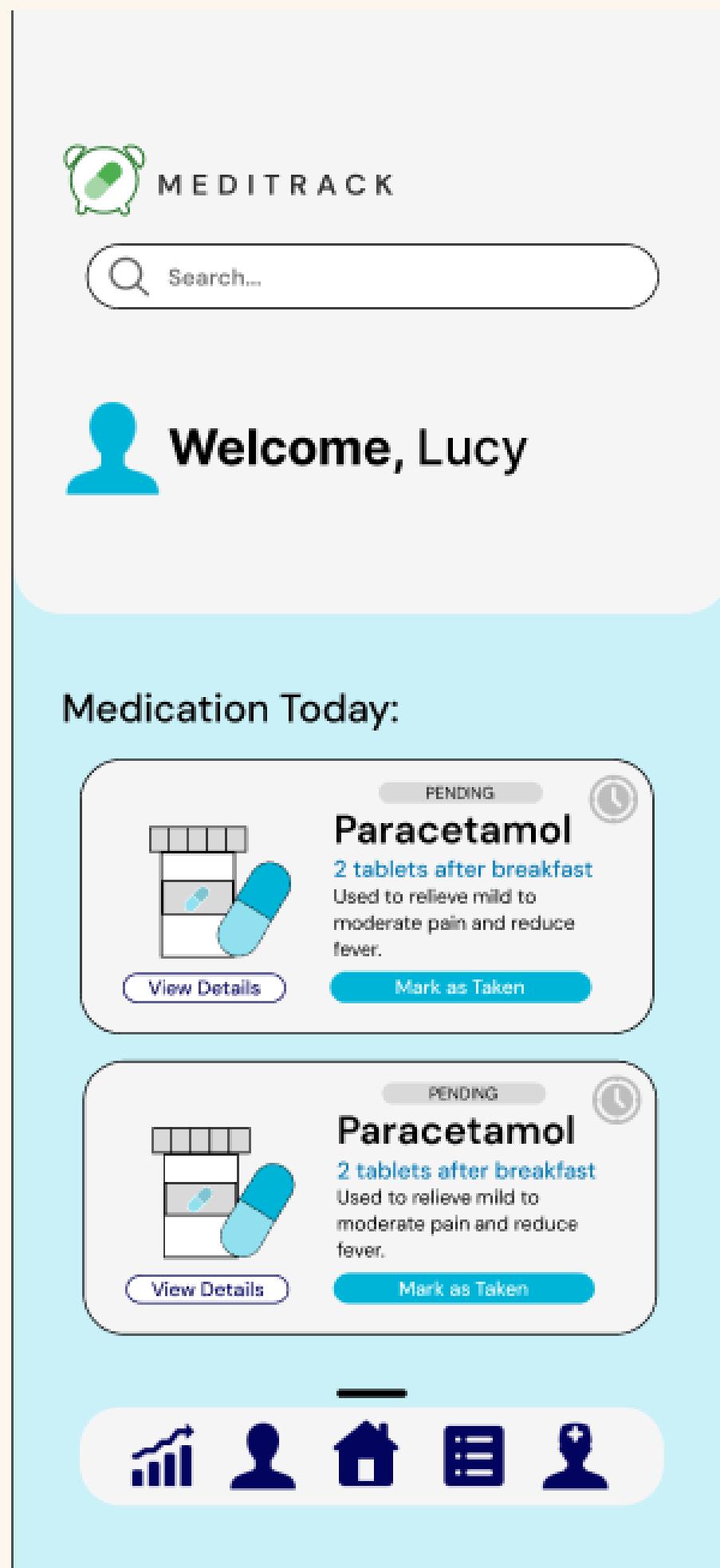
AFTER

BUTTON DIRECTLY NEXT TO MEDICATION FOR CLARITY



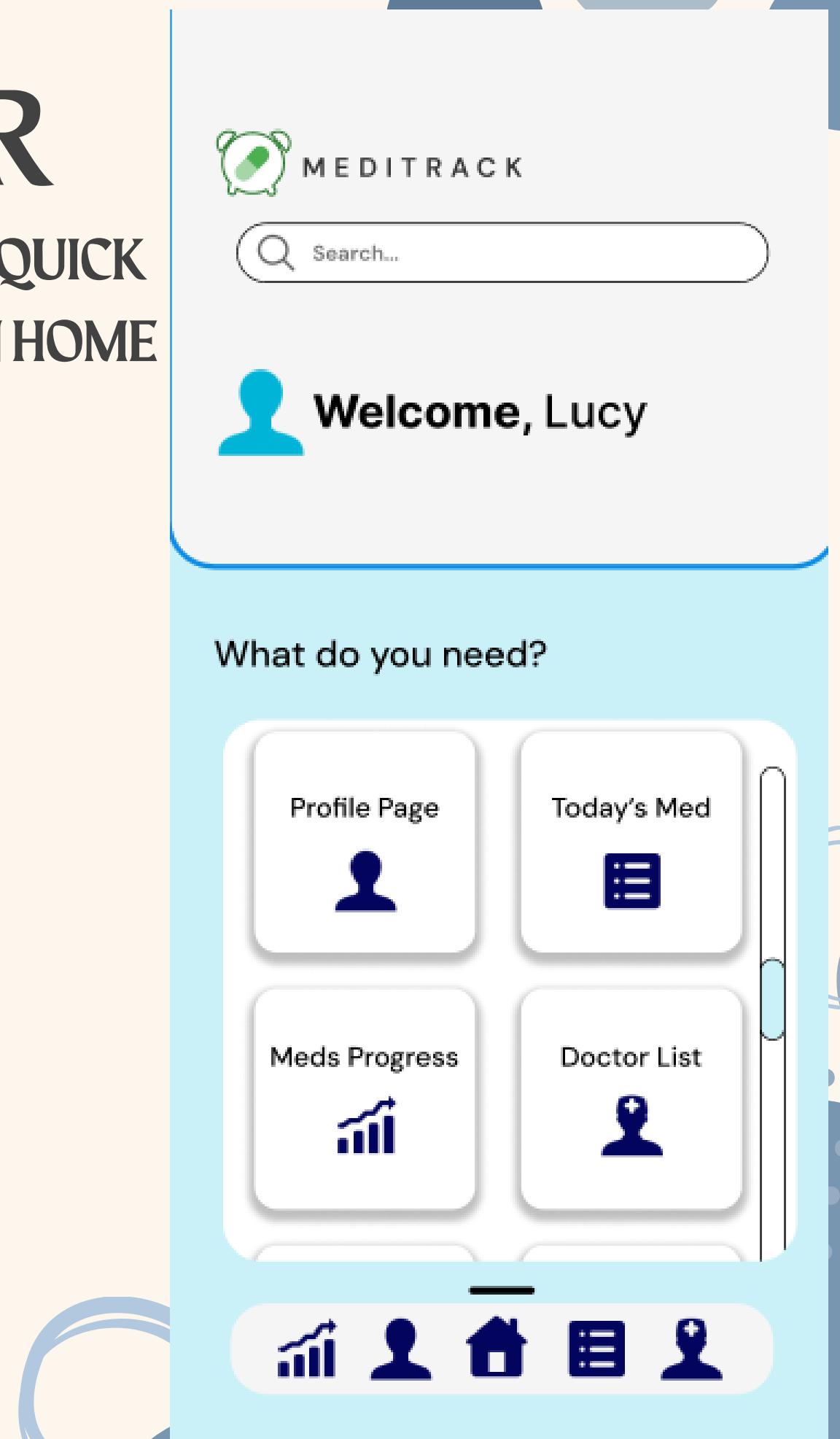
BEFORE

NO SHORTCUT
FROM HOME
(DOCTOR'S LIST)



AFTER

ADDED "DOCTOR QUICK
ACCESS" CARD ON HOME
SCREEN



Thank you