

The background is a light cream color, decorated with various blue geometric shapes. There are several circles of different sizes, some solid, some with a dotted pattern, and some with a fine line pattern. There are also thin blue rings and larger, fainter rings. The shapes are scattered around the central text, with a larger dotted circle in the top left and another in the bottom right.

# 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.



# 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.”

## **How do you currently manage your medications?**

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

## **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.”

## **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."

## 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."

## **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.

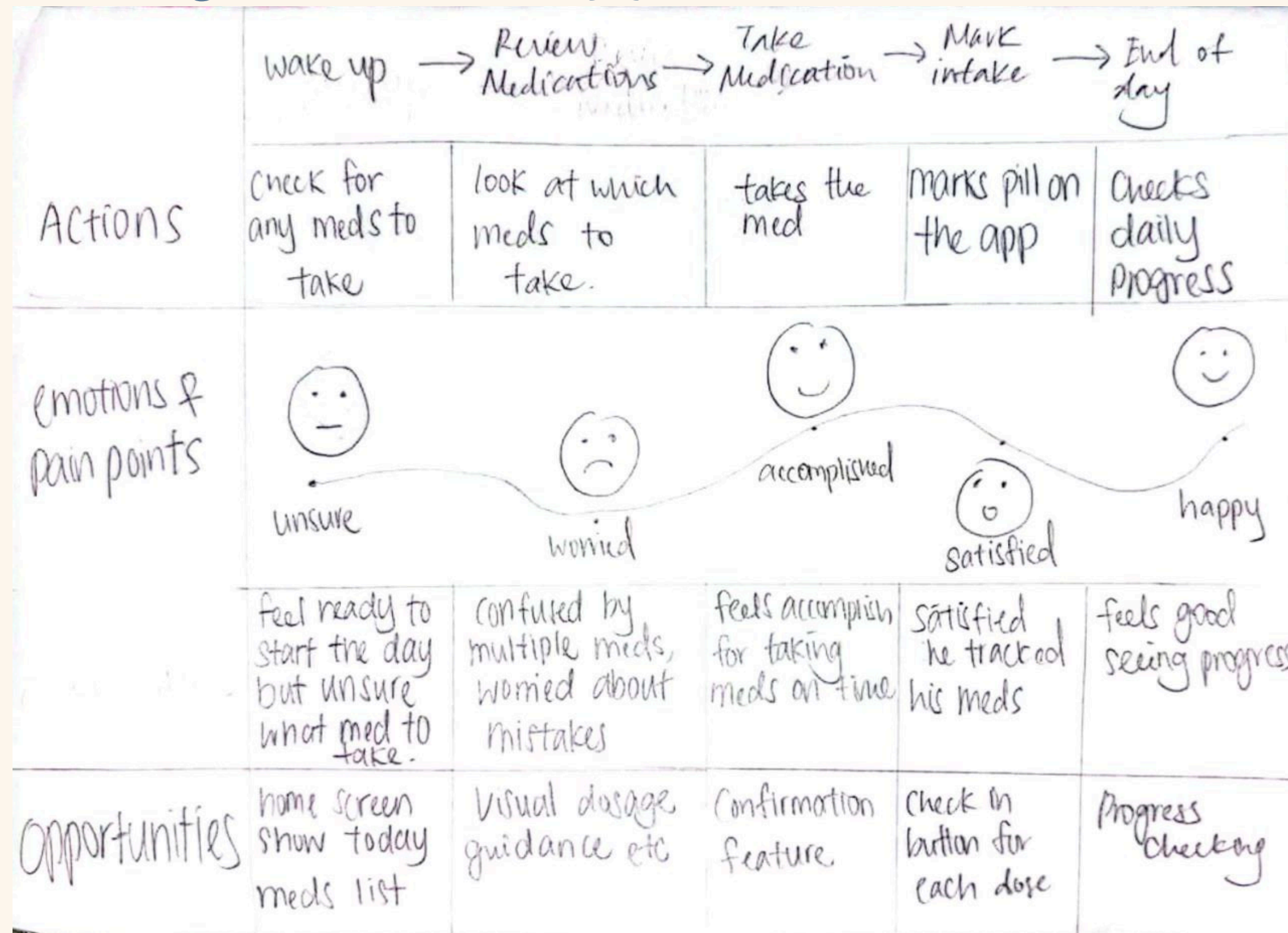
## **Intake Confirmation**

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



# 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.

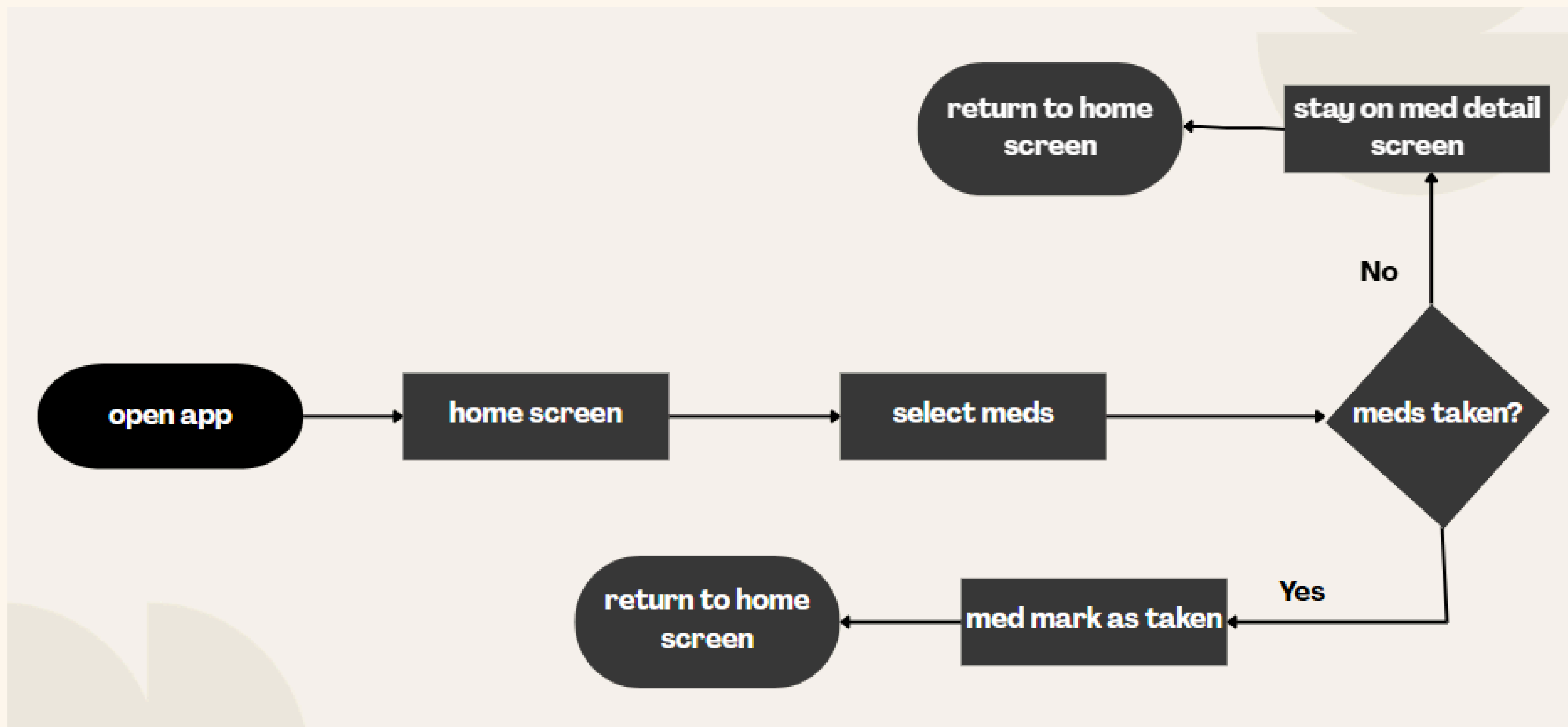
## Idea 4

### **Visual Dosage Guidance**

using simple text and pill visuals to reduce dosage confusion.

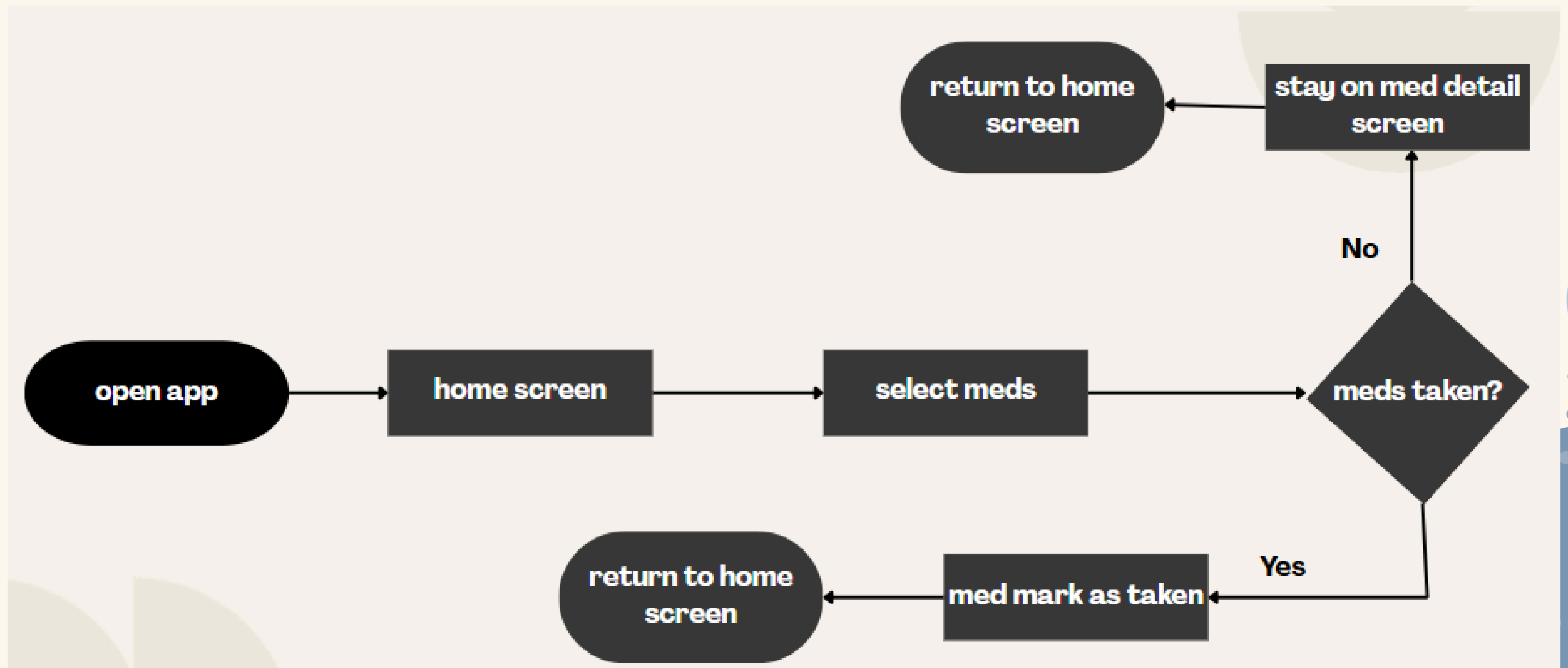
# User Flow (Ong Yi Fei)

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

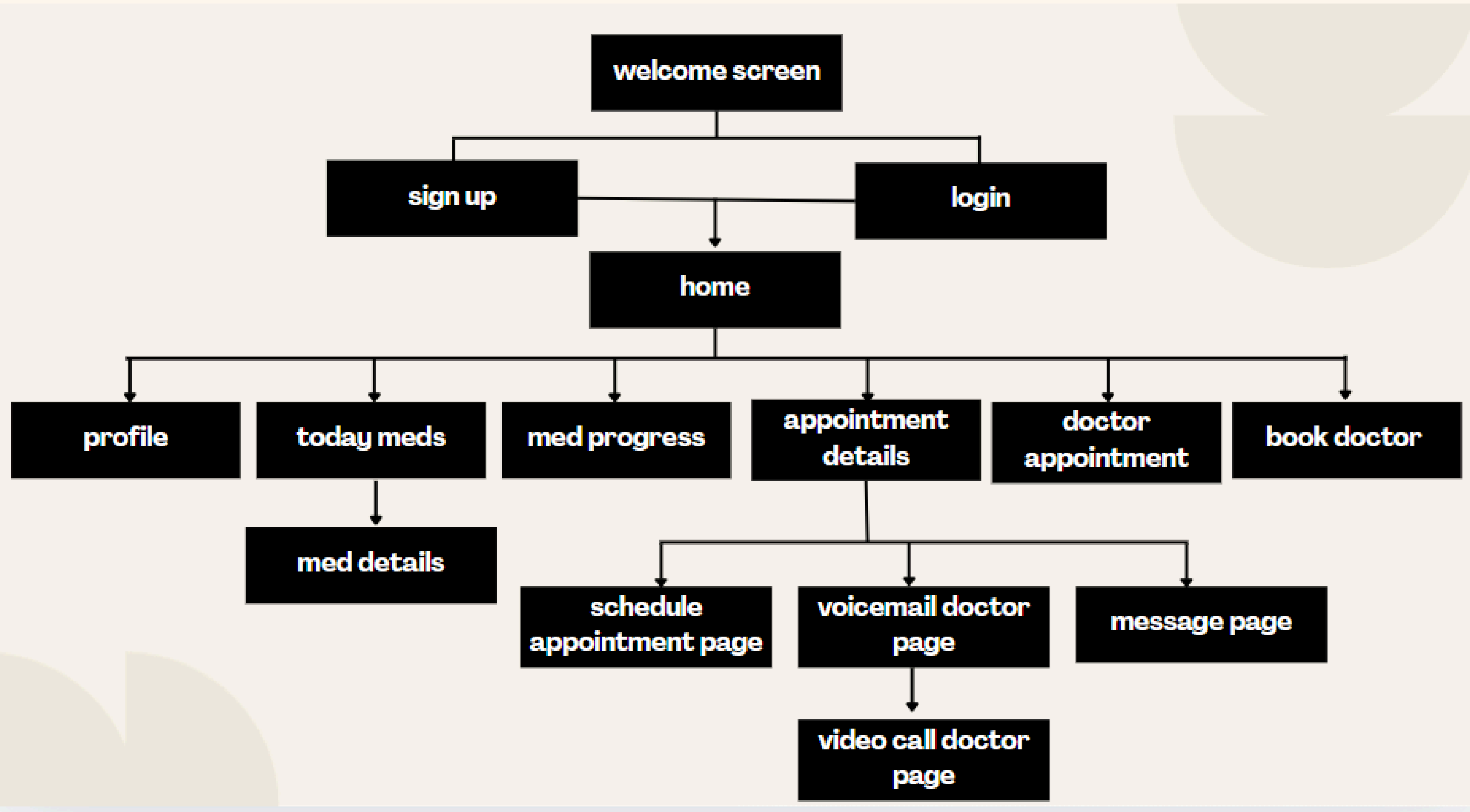


# User Flow (kaelyn lee)

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

## WELCOME SCREEN

MEDITRACK



click anywhere to proceed

## SIGN UP PAGE



LOG IN

[forgot password](#)

Log In

No account yet? [Sign Up](#)

## LOG IN PAGE

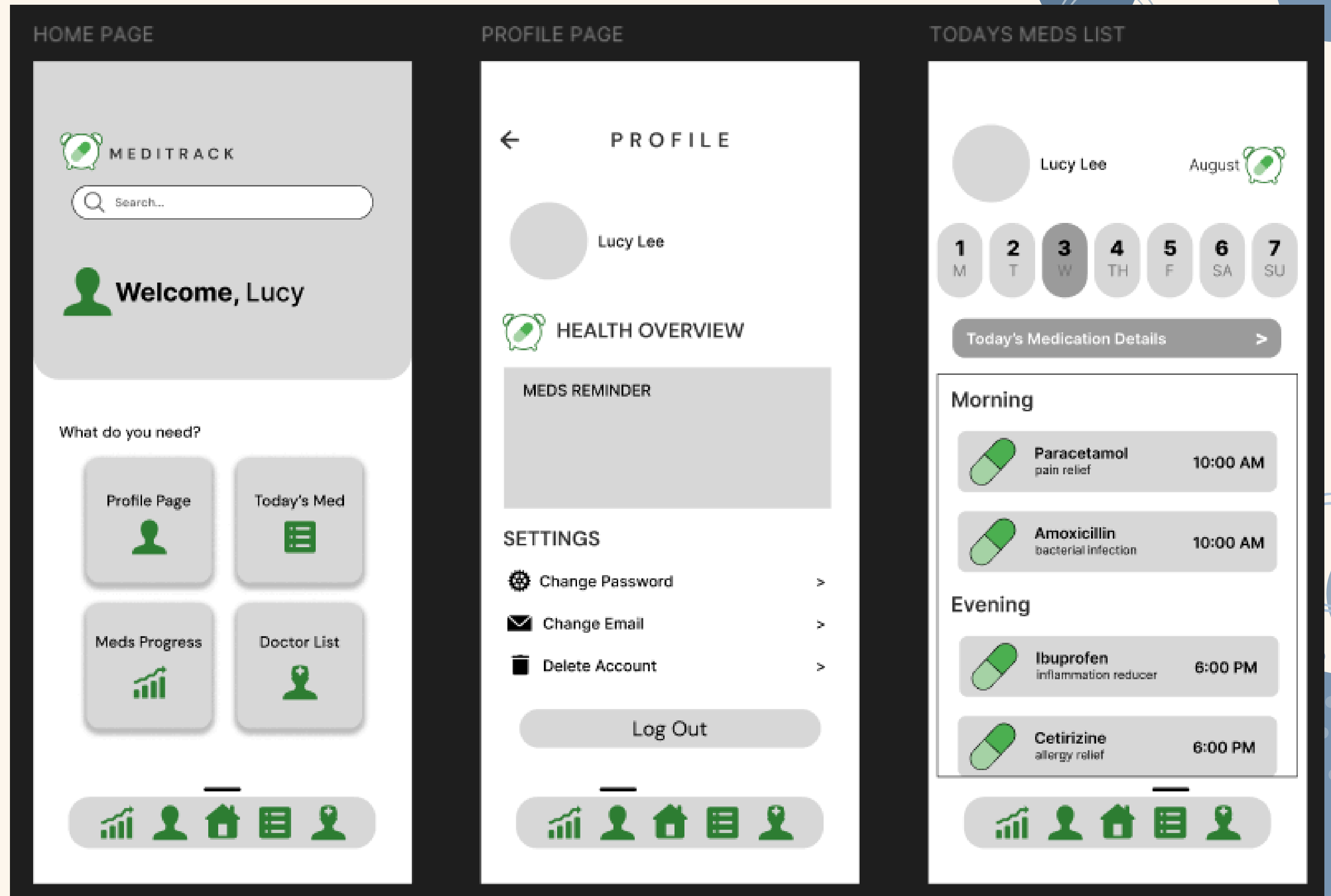


SIGN UP

Sign up

Already have an account? [Log In](#)

# Low Fi



# Low Fi

17

## MEDS DETAILS



Lucy Lee

August



1  
M

2  
T

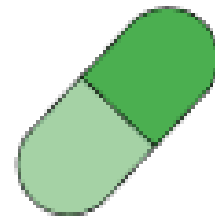
3  
W

4  
TH

5  
F

6  
SA

7  
SU



### 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

### Missed

Running out of medication? Consult a doctor now!



Dr Ho Lee

Cardiologist - heart care specialist

Call Now

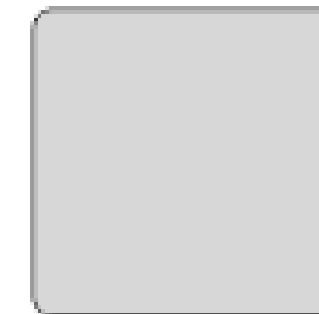


## DOCTOR LIST PAGE

### ← QUALIFIED DOCTORS

### FIND YOUR DOCTOR

just a click away!



### Dr Alexandra

Dermatologist  
Skin specialist

"Glow starts from care."

Call Now

8.9



### Dr Bimdhu

Psychiatrist  
Mental health specialist

"Healing starts with understanding."

Call Now

9.5



### Dr Rishee

Gynecologist  
Pregnancy care expert

"Care for women's health."

Call Now

9.5



# Low Fi

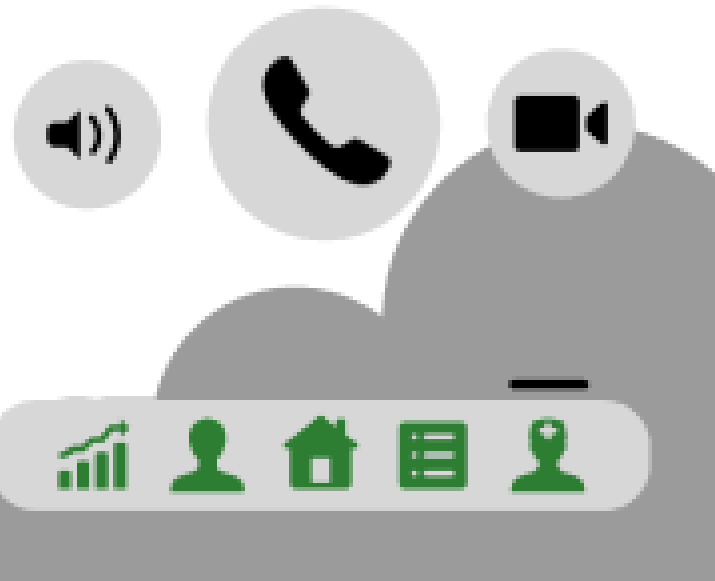
## CALLING DOCTOR PAGE

← CONNECTING NOW ...

Dr Bimdhu

Psychiatrist

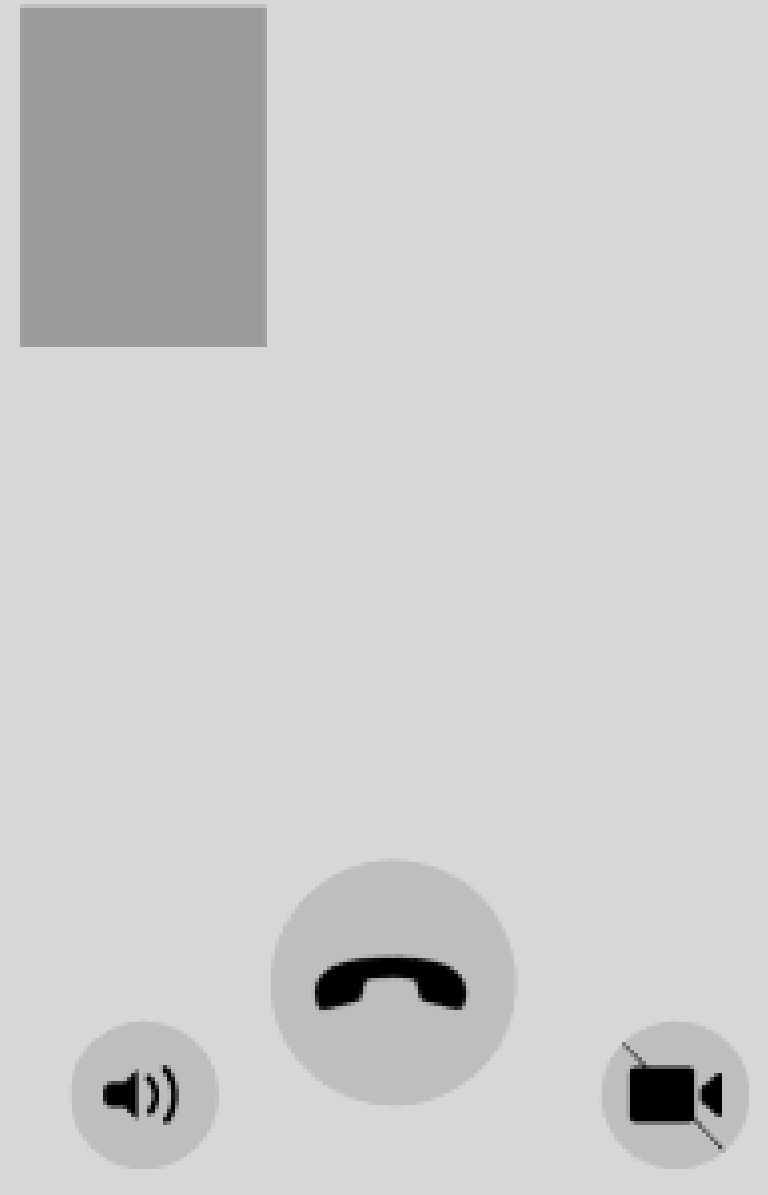
Mental health specialist



## VIDEO CALLING DOCTOR PAGE

← CONNECTING NOW ...

DR KAYSHAY



## DOCTOR VISIT PAGE

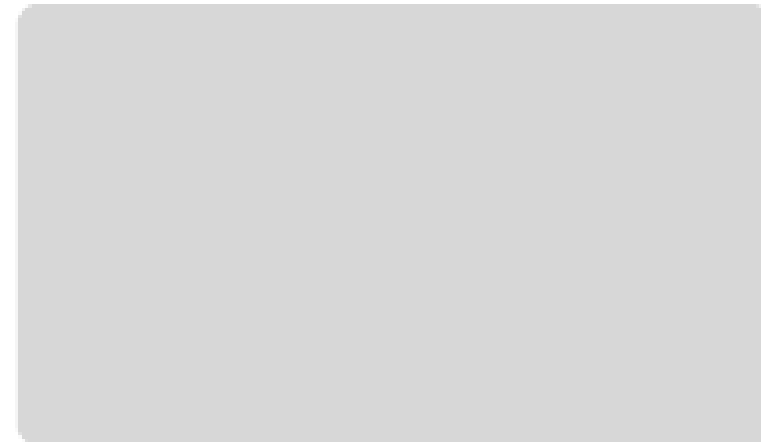
### APPOINTMENTS



# Low Fi

## APPOINTMENT DETAILS PAGE

← APPOINTMENT DETAILS



**Dr Kayshay**  
Dermatologist



Call



Message



Schedule

### About Appointment

Approved

**Facial Laser**  
In person appointment

4 Aug, 2028 • 9:00 AM



## 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.**  
See you next appointment, heal...

12:18

1



**Dr Shane**  
Please check your email for mo...

12:18

3

Read



**Dr Shawnie**  
Thankyou for your time docto...

12:47



**Dr Lawernece**  
See you next appointment, heal...


1:48



# High Fi

WELCOME SCREEN


MEDITRACK



click anywhere to proceed

SIGN UP PAGE

LOG IN



Username...

Password...


[forgot password](#)

Log In

No account yet? [Sign Up](#)

LOG IN PAGE

SIGN UP



Username...

Password...

Mobile Number...

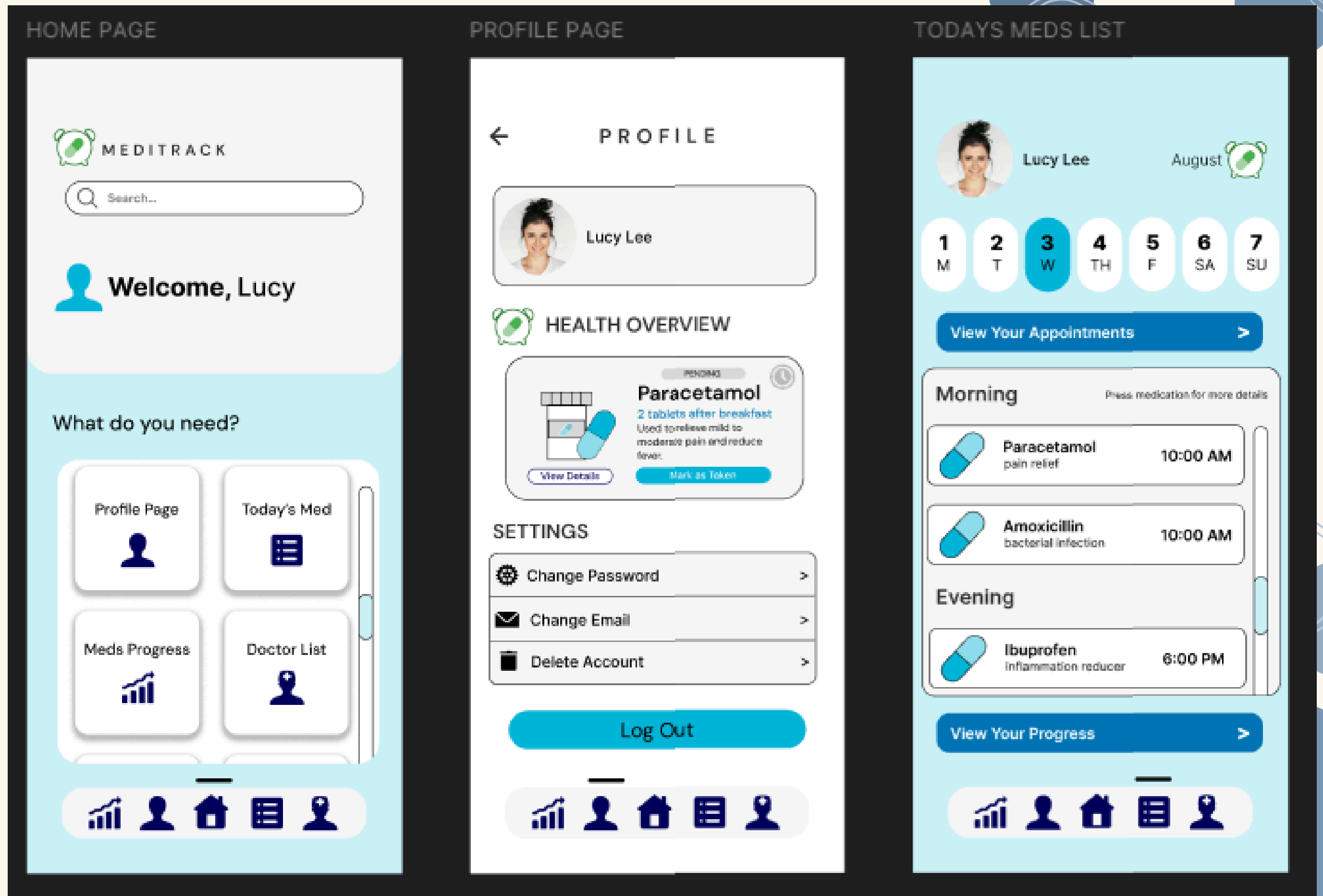
Email...

Sign up

Already have an account? [Log In](#)

# High Fi

21





# High Fi

22

## MEDS DETAILS



Lucy Lee

August



1  
M

2  
T

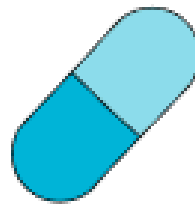
3  
W

4  
TH

5  
F

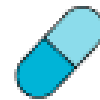
6  
SA

7  
SU



**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

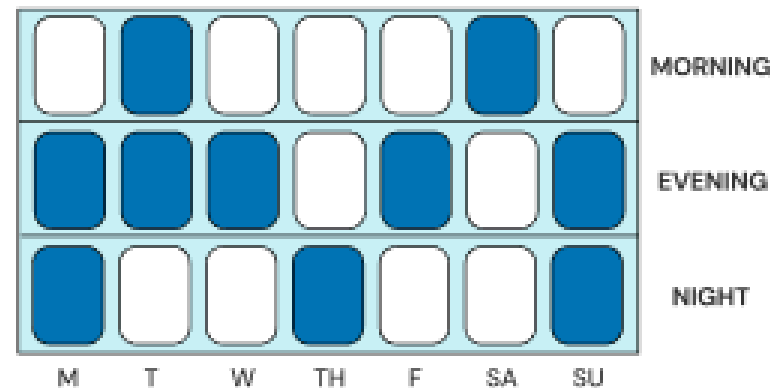
Month

Year

### Medication Statistics

27 April - 3 May

Reload



Progress : 3/4



Missed: 1/4



Running out of medication? Consult a doctor now!



**Dr Ho Lee**

Cardiologist - heart care specialist

Book Now



## BOOK DOCTOR LIST PAGE

### ← QUALIFIED DOCTORS

### FIND YOUR DOCTOR

just a click away!



**Dr Alexandra**

Dermatologist  
Skin specialist

"Glow starts from care."

Book Now

8.9



**Dr Bimdhu**

Psychiatrist  
Mental health specialist

"Healing starts with understanding."

Book Now

9.5



**Dr Rishee**

Gynecologist

View Appointments

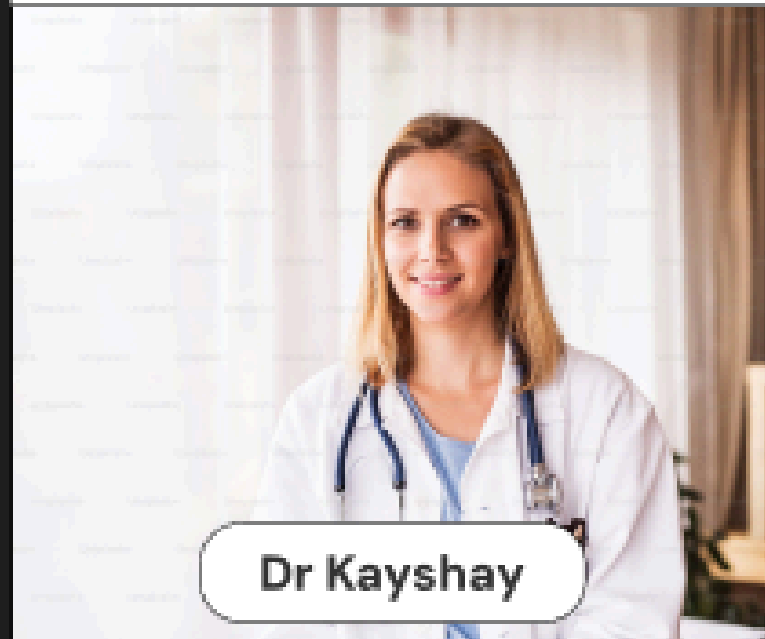


# High Fi

23

## CALLING DOCTOR PAGE

← CONNECTING NOW ...

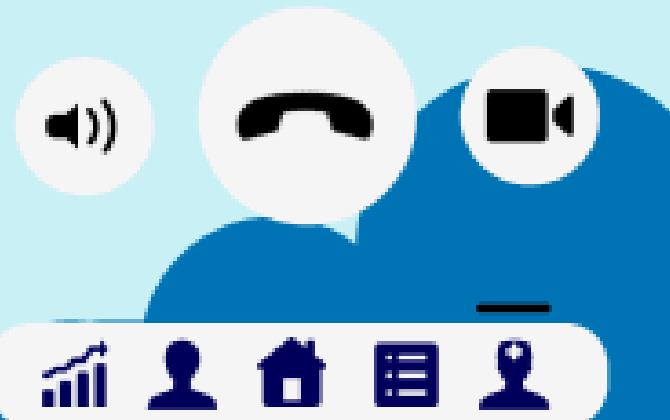


Dr Kayshay

Psychiatrist

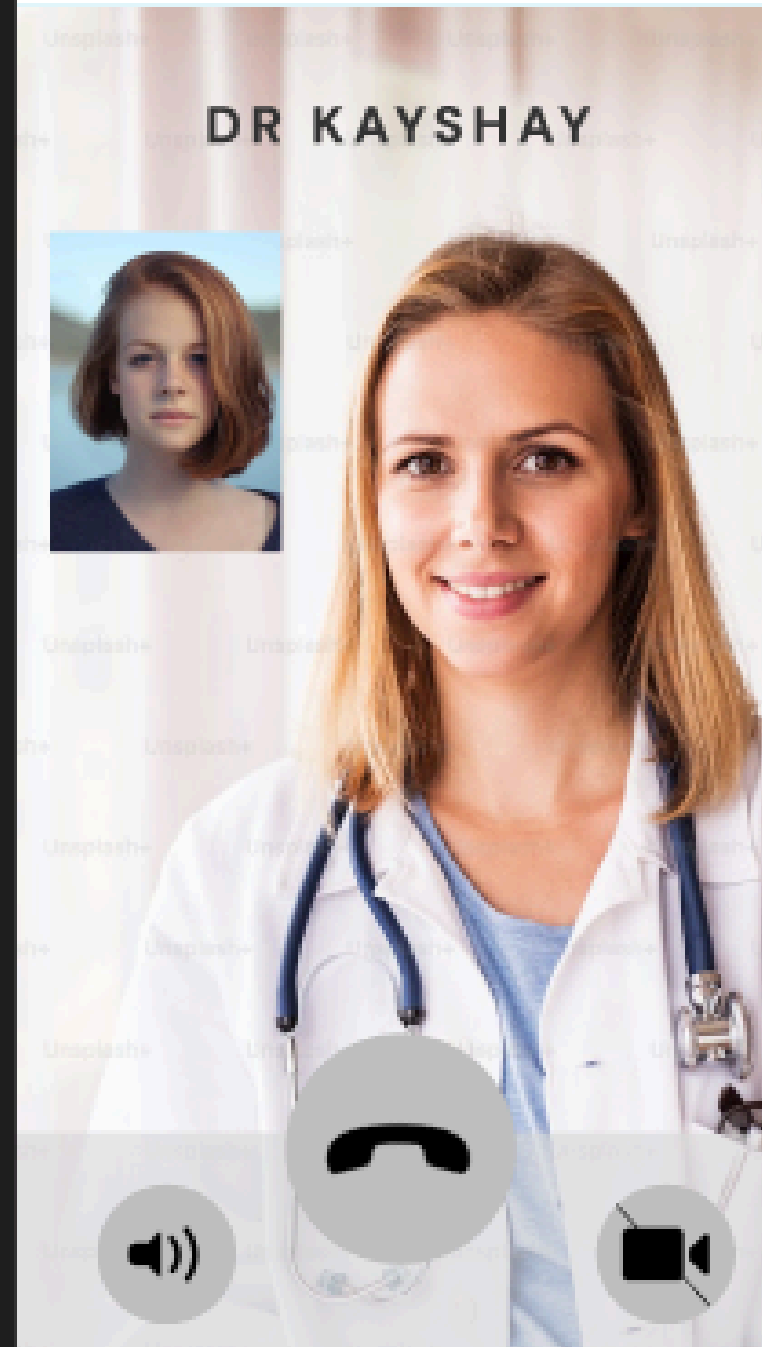
Mental health specialist

0:03

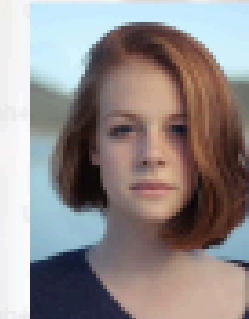


## VIDEO CALLING DOCTOR PAGE

← CONNECTING NOW ...



DR KAYSHAY



## DOCTOR VISIT PAGE

### APPOINTMENTS

Search...



Approved

**Dr Alexandra**  
Dermatologist  
Skin specialist

4 Aug 2028 • 9:00 AM



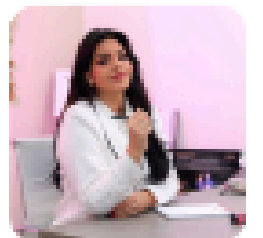
Details

Call Doctor

Pending

**Dr Rays**  
Psychiatrist  
Mental health specialist

4 Aug 2028 • 8:00 AM



Details

Call Doctor

Completed

**Dr Lynn**  
Gynecologist

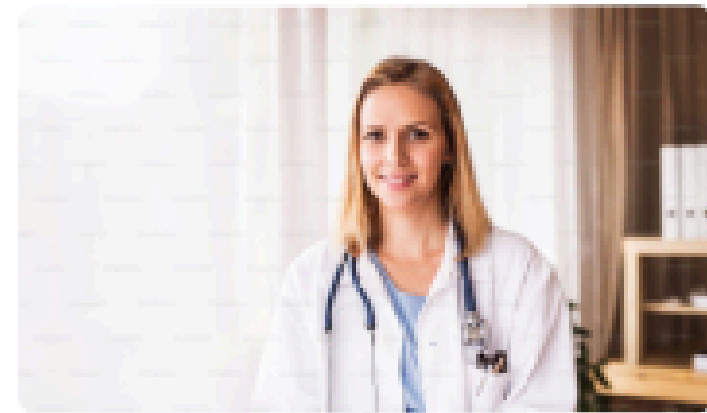


# High Fi

24

## APPOINTMENT DETAILS PAGE

← APPOINTMENT DETAILS



**Dr Kayshay**  
Dermatologist



Call



Message



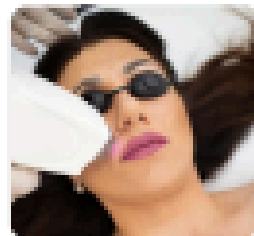
Schedule

### About Appointment

Approved

Facial Laser  
In person appointment

4 Aug, 2020 • 9:00 AM



## 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.**

See you next appointment, heal...

12:18

1



**Dr Shane**

Please check your email for mo...

12:18

3

Read



**Dr Shawnie**

Thankyou for your time docto...

12:47

✓✓



**Dr Lawerence**

See you next appointment, heal...

1:48




# 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:

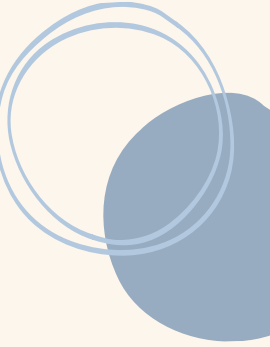
- **Open the app and check today's medication list**
- **Mark a medication as taken**
- **View dosage details for a specific medication**
- **Track progress of medication intake for the day**
- **(Optional) Search for a doctor and book an appointment**

# 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**



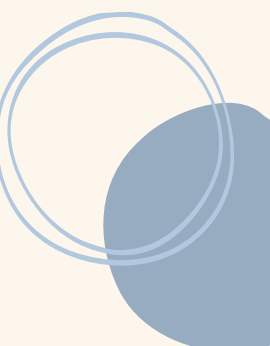
# Success metrics:

- **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

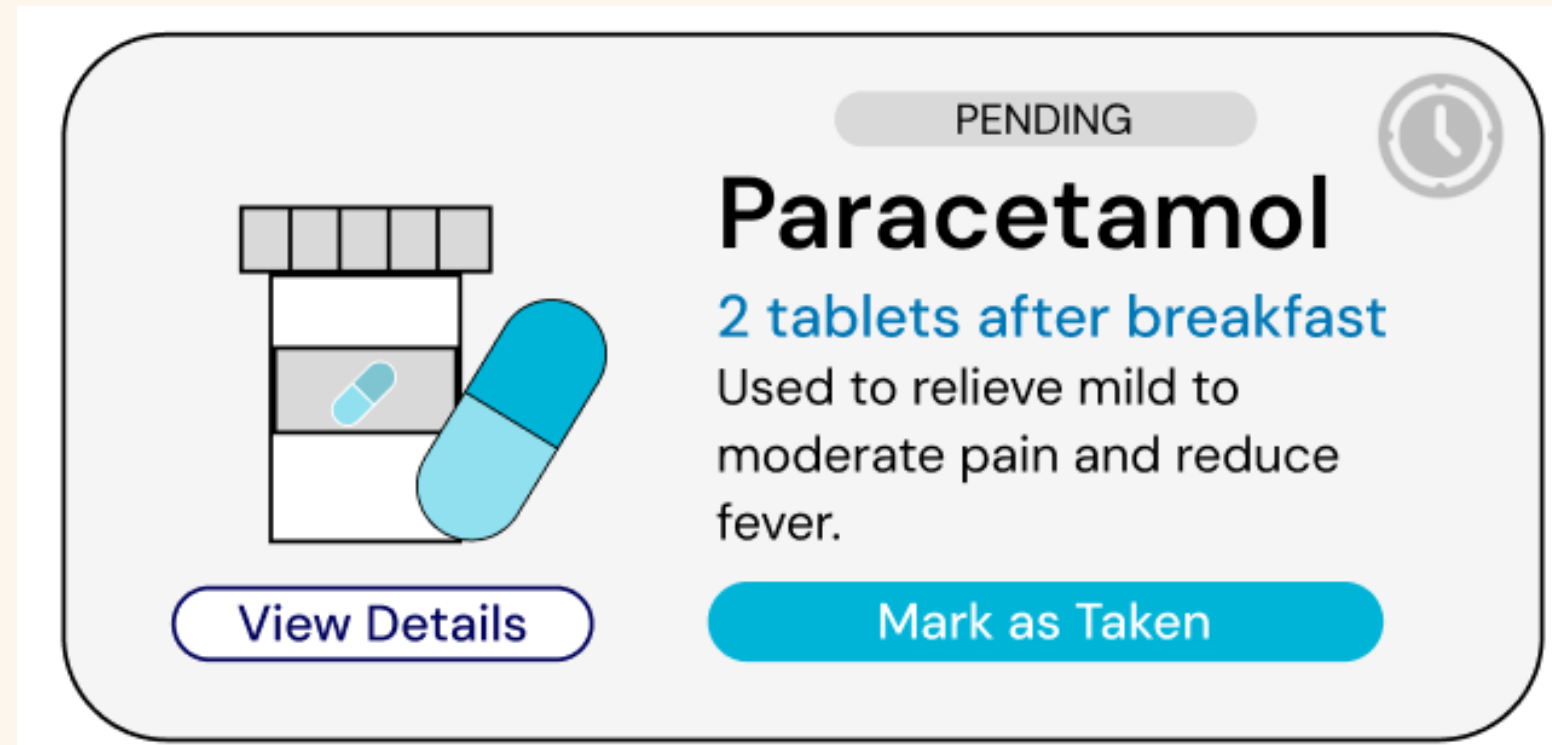
Participant ID	Task	Feedback	Issue	Severity	Recommendation
P1	Check today's meds	"I can see all meds clearly, very simple"	None	Low	Keep layout as-is
P1	Mark as taken	"I wasn't sure which button to tap first"	Confusion with button placement	Medium	Move "Mark as Taken" button closer to medication name
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



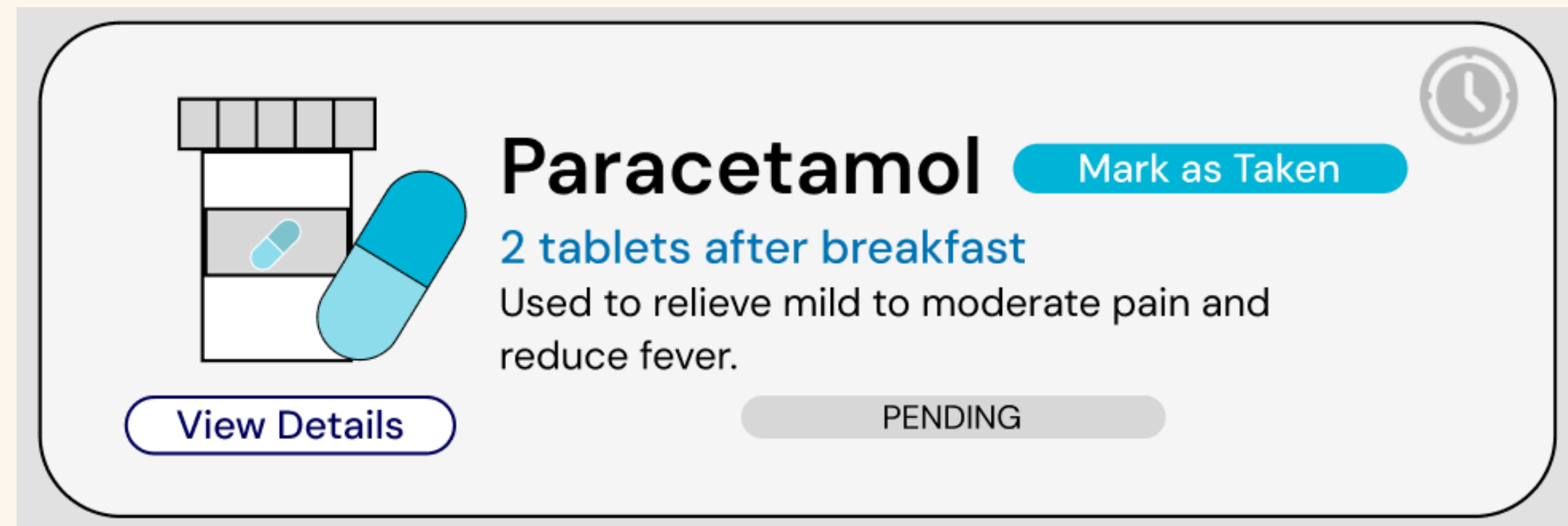
# BEFORE

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



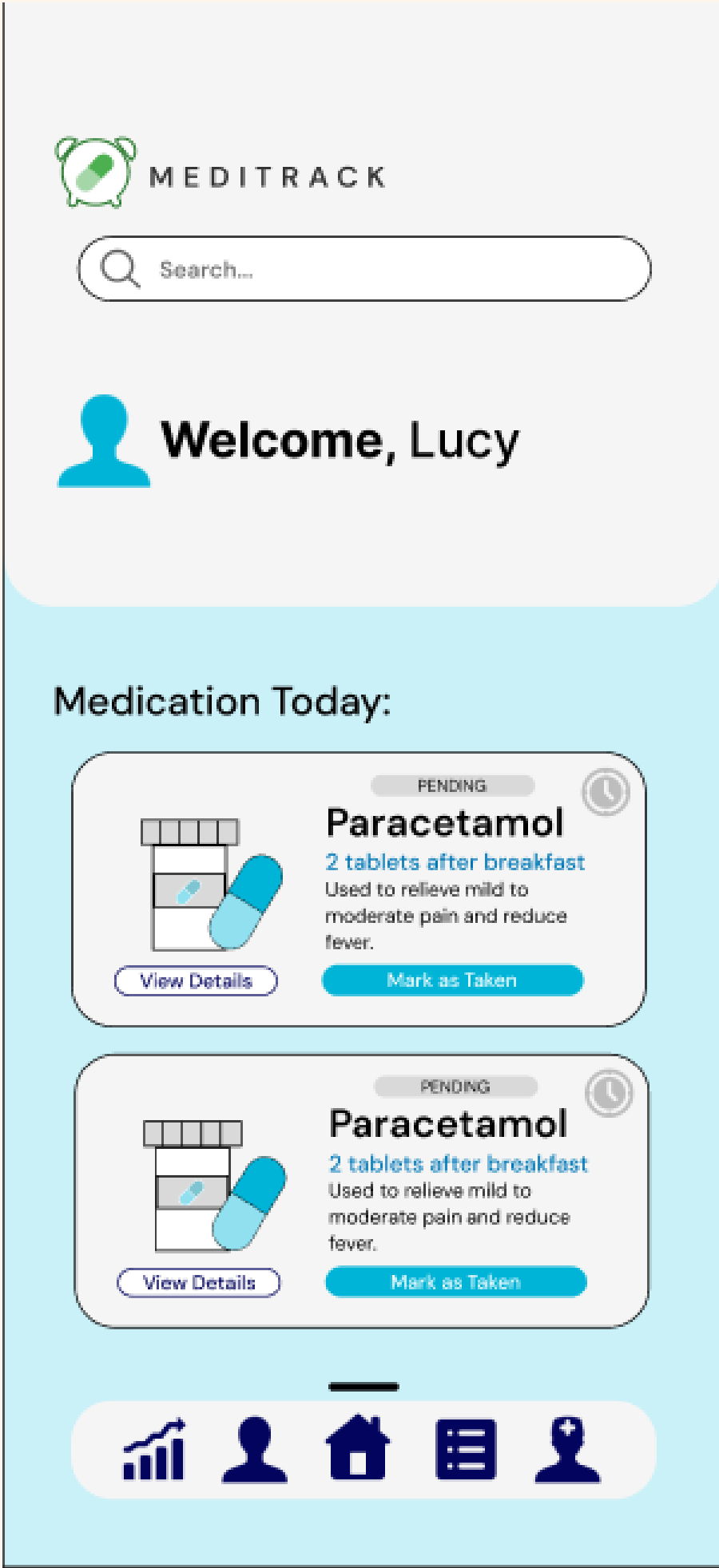
# AFTER

BUTTON DIRECTLY NEXT TO MEDICATION FOR CLARITY



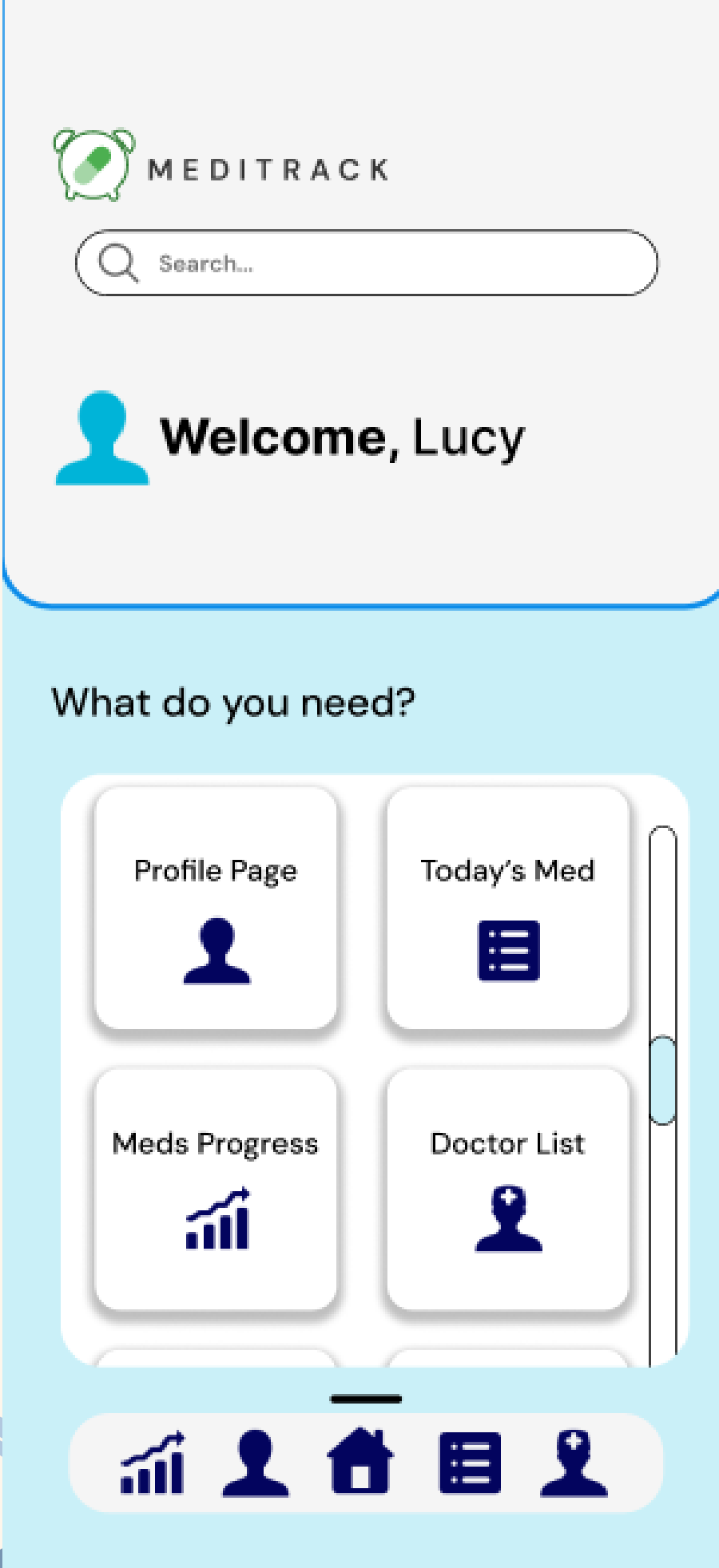
# BEFORE

NO SHORTCUT  
FROM HOME  
(DOCTOR'S LIST)



# AFTER

ADDED “DOCTOR QUICK  
ACCESS” CARD ON HOME  
SCREEN



The background features a light beige color with abstract geometric patterns in shades of blue. These patterns include solid circles of various sizes, some filled with small dots, and others with concentric rings or hatching. The elements are scattered around the central text, creating a modern and artistic feel.

Thank you