

INSTRUCTION MANUAL

HEALTHCARE RECORD MANAGEMENT APPLICATION

Objective

The project aims to develop an application for convenient tracking of medical history of the user. It does so by providing a mechanism for documentation of medical prescriptions and medications. It further enables the user to search for a particular diagnosis or medicine through a variety of criteria like date, medicine name, doctor name. The mobile app is designed specifically for students living in hostels and consult the institute healthcare centre. The web application is more broad and allows use for any patient to record the medical history. This procedure will help the patient to effectively search and retrieve the medical data as and when required.

Functionalities

The mobile app has two modules. First module allows the user to record the diagnosis, prescribed medicines along with the doctor's name. It also enables the user to scan and upload the corresponding prescriptions by date. The next module is for search and retrieval, wherein the user can enter some criteria and recover the data. It also has an emergency calling feature for contacting hostel warden, institute health centre and ambulance.

The web application has 6 broad modules. It allows users to upload prescriptions, keep track of symptoms and health log, add the contact details of the consulted doctors and health clinics. Furthermore, it also has a feature to keep track of appointments and provides brief charts about health conditions during routine examination.

CONTENTS

1. Mobile App SwastaLekh

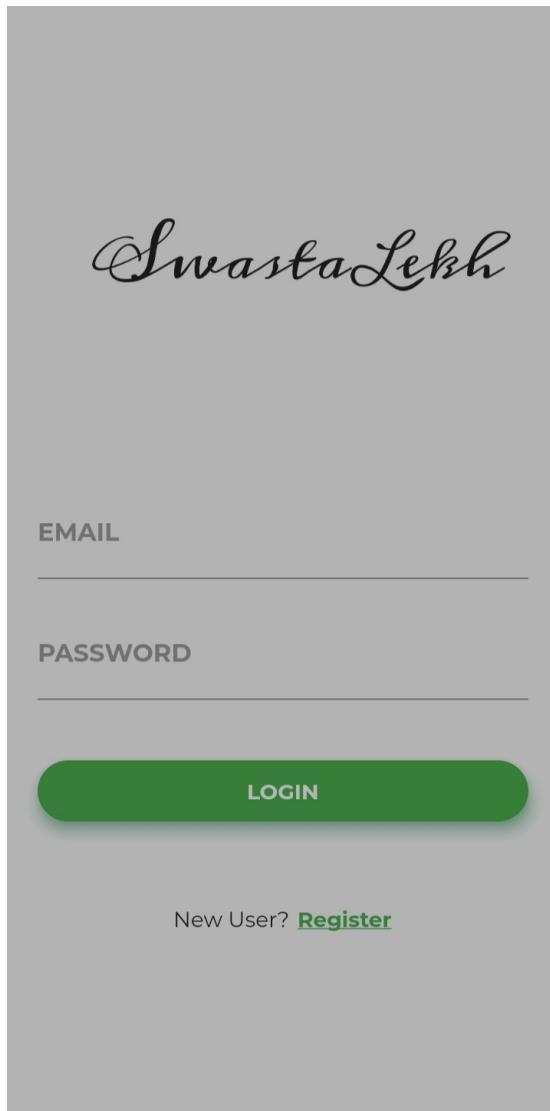
- App open preview
- Sign Up screen
- Log-in screen
- Dashboard (Home)
- Scan and upload
- Search and view

2. Web application HealthTracker

- Login
- Home
- My health log
- My prescriptions
- My symptom journal
- Doctors and Clinic
- Appointments
- Charts

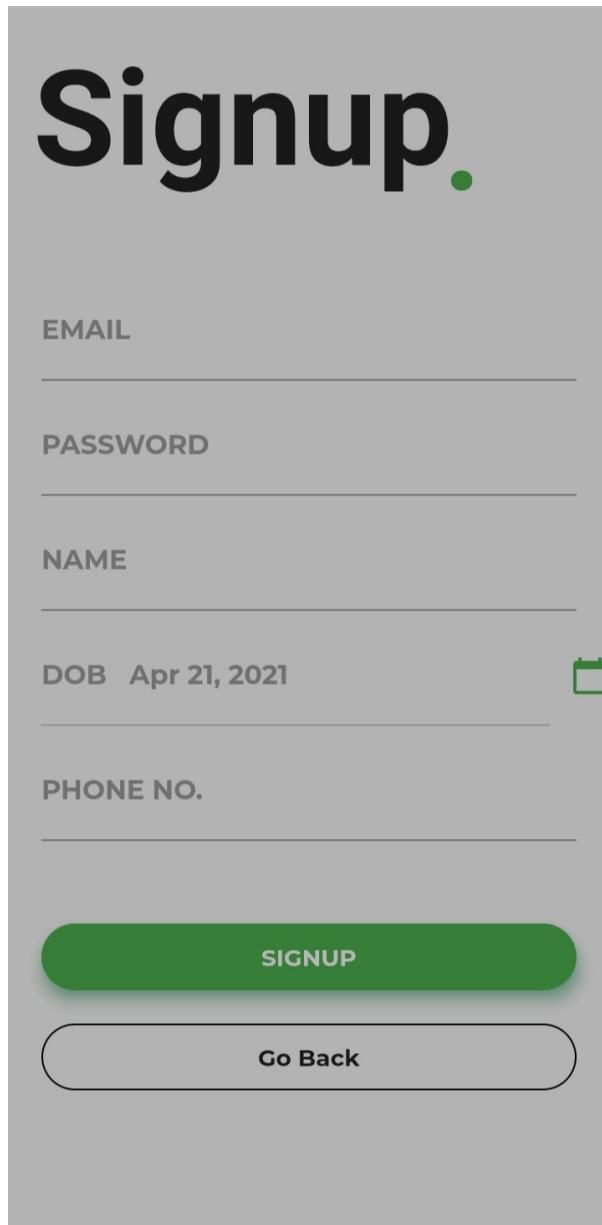
MOBILE APP- SWASTALEKH

1) App open preview



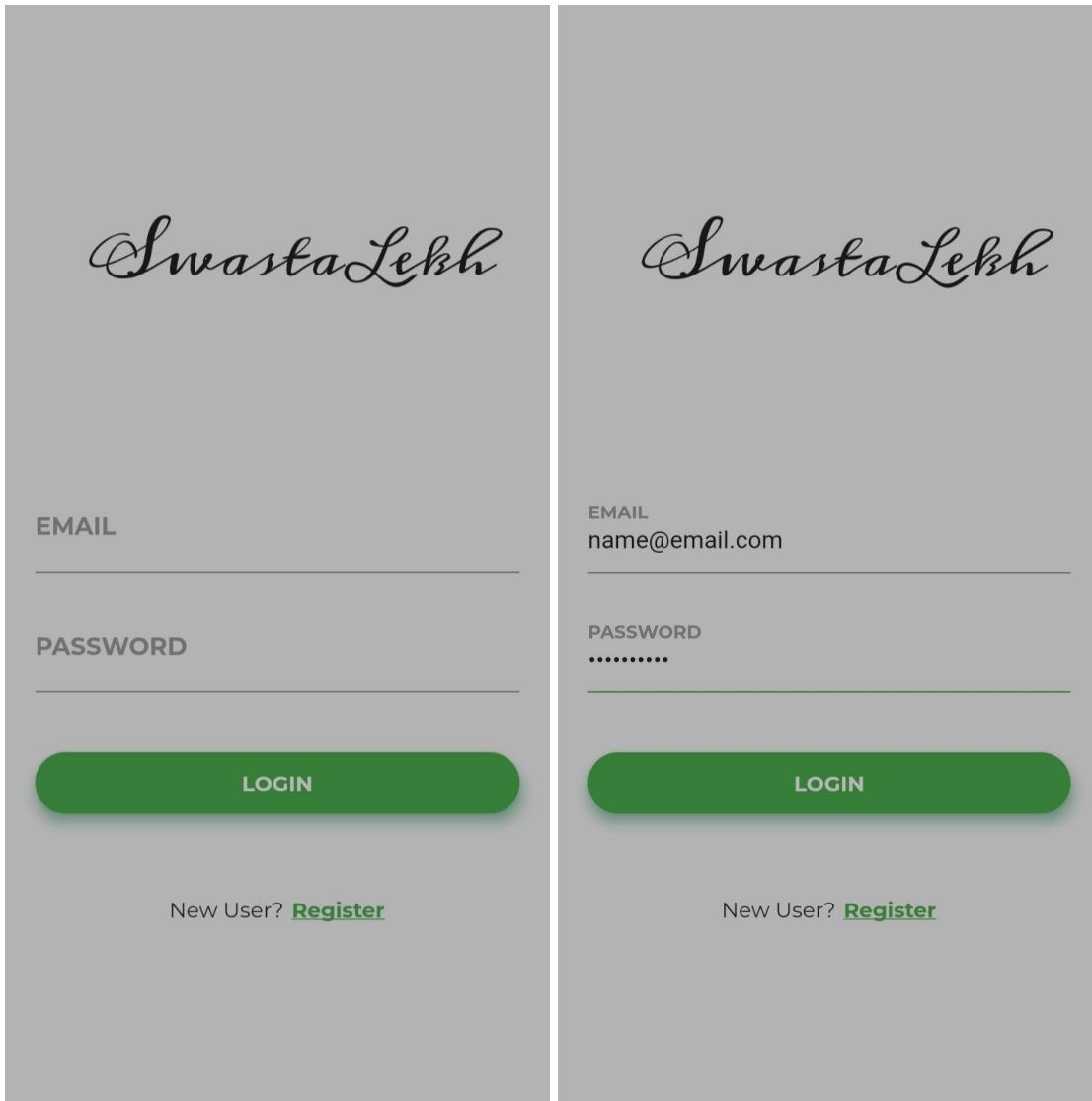
The app opens to a login screen, wherein if the user already has an account, they will be taken to the dashboard. If it is a new user, they will be able to register using the **Register** option below.

2) Sign Up screen



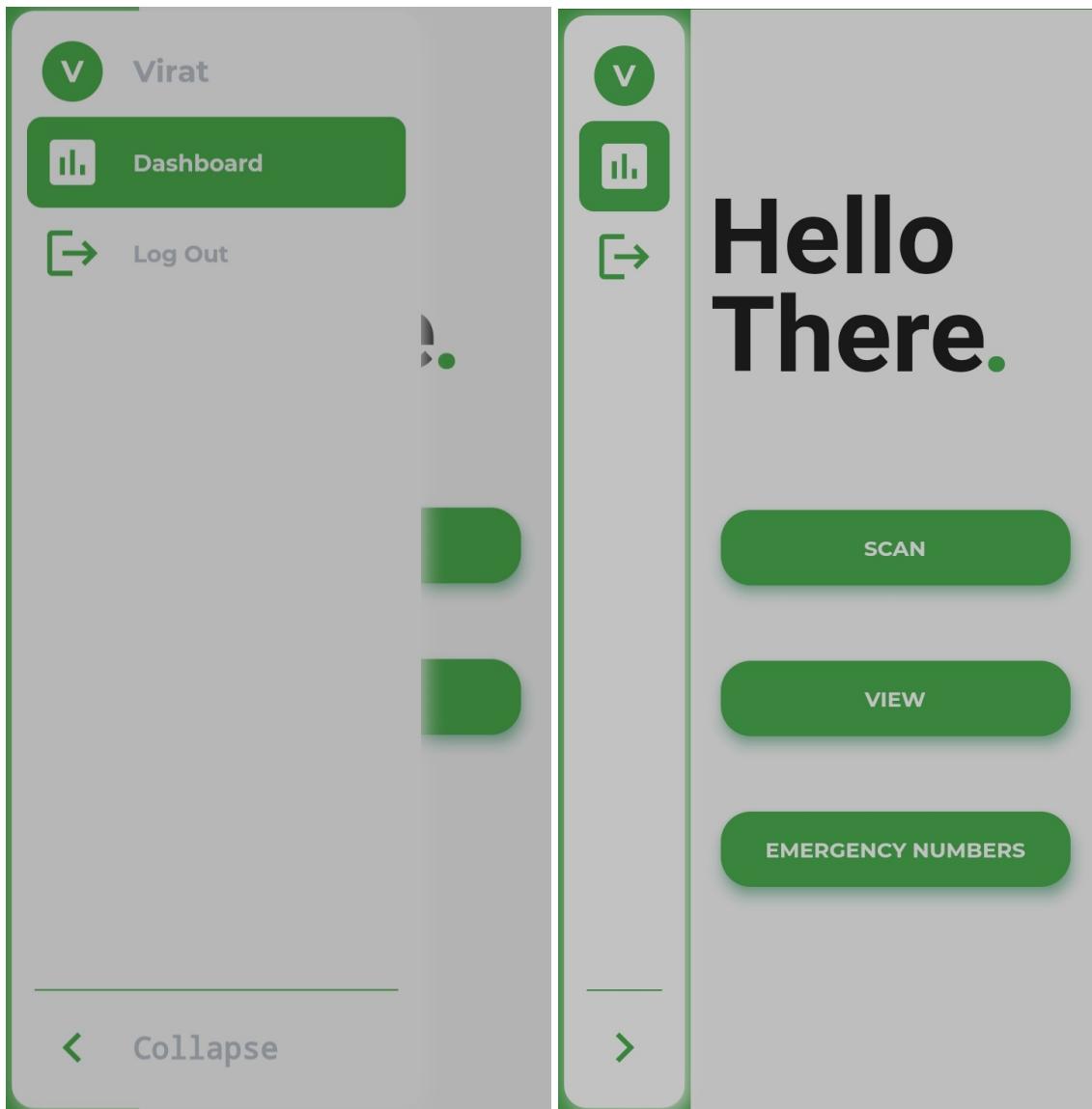
For the new user, they can register themselves by providing basic details: Email ID, Name, Date of Birth, Phone number and a password of their choice. Upon signing up, they will be redirected to the login page so that they can securely continue to their dashboard.

3) Login screen



Registered users need to provide their email address and corresponding password for logging into their account.

4) Dashboard



The dashboard shows the two modules and allows the user to choose to either **Scan and Upload** or **Search and View** their existing data.

5) Scan and Upload

The image displays two side-by-side screenshots of a mobile application interface. Both screens have a large, bold title "Details" at the top.

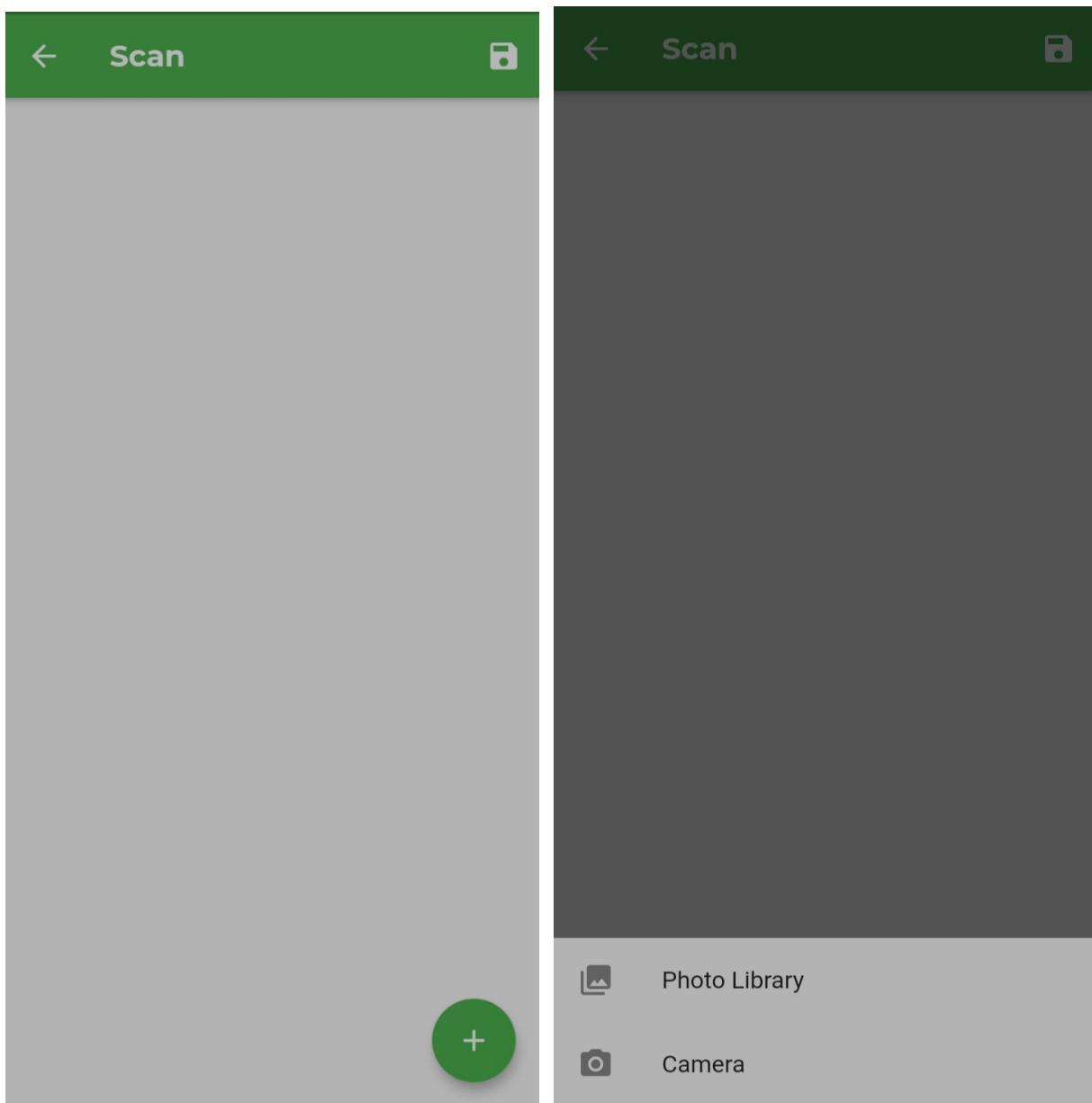
Left Screen (Doctor's Details):

- Doctor Name:** Anil Kumble
- Date:** Apr 13, 2020 (calendar icon)
- Problem:** Typhoid
- Prescription:** Ciprofloxacin
- Buttons:** A green "Upload" button and a grey "Go Back" button.

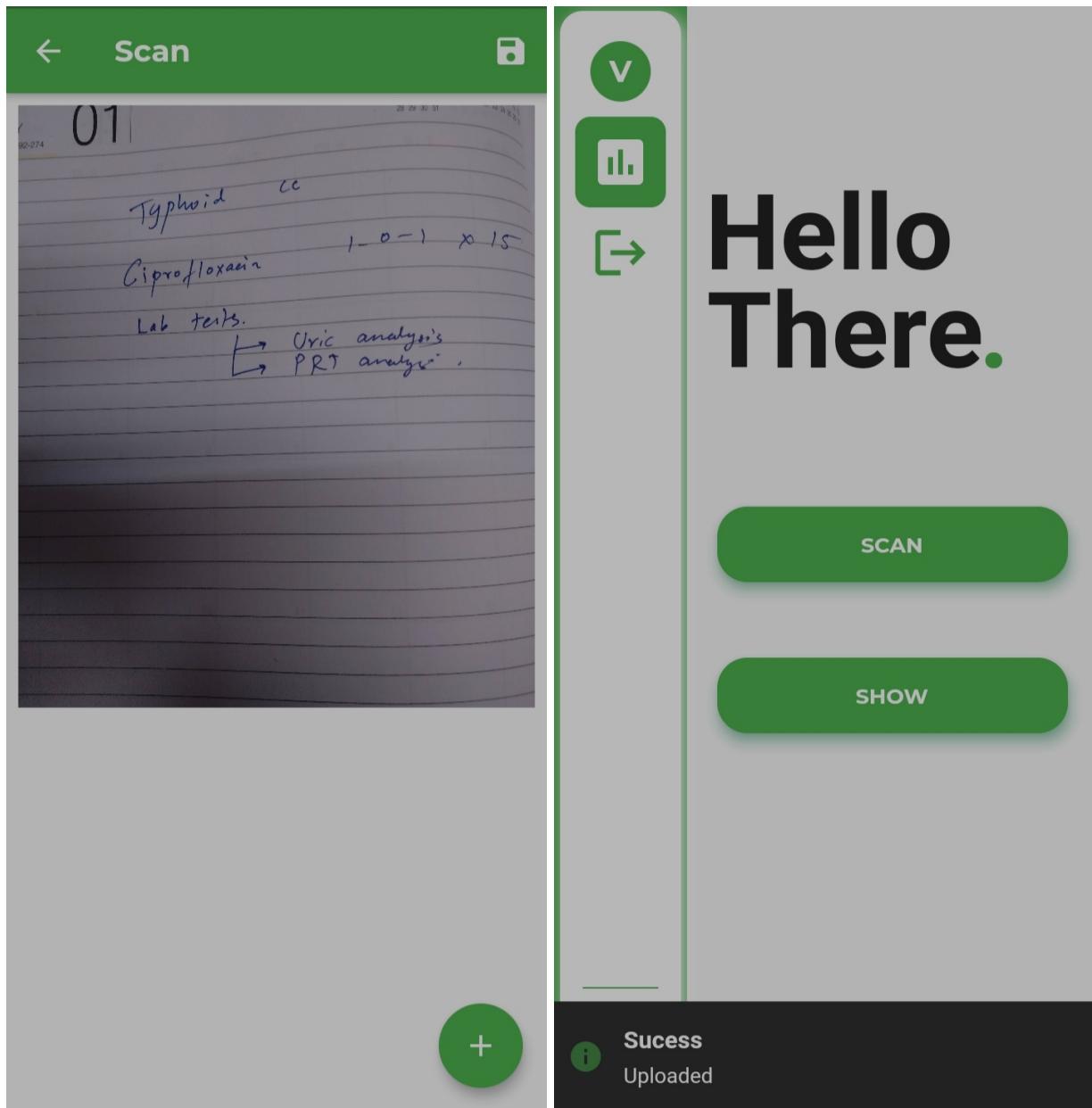
Right Screen (Doctor's Details):

- Doctor Name:** _____
- Date:** Apr 21, 2021 (calendar icon)
- Problem:** _____
- Prescription:** _____
- Buttons:** A green "Upload" button and a grey "Go Back" button.

Upon clicking the **Scan** option, the user will be redirected to the above screen. They will be able to enter essential information like name of the doctor, date of consultation, diagnosis and prescribed medicines. Next, they can click the **Upload** icon to scan their prescription.

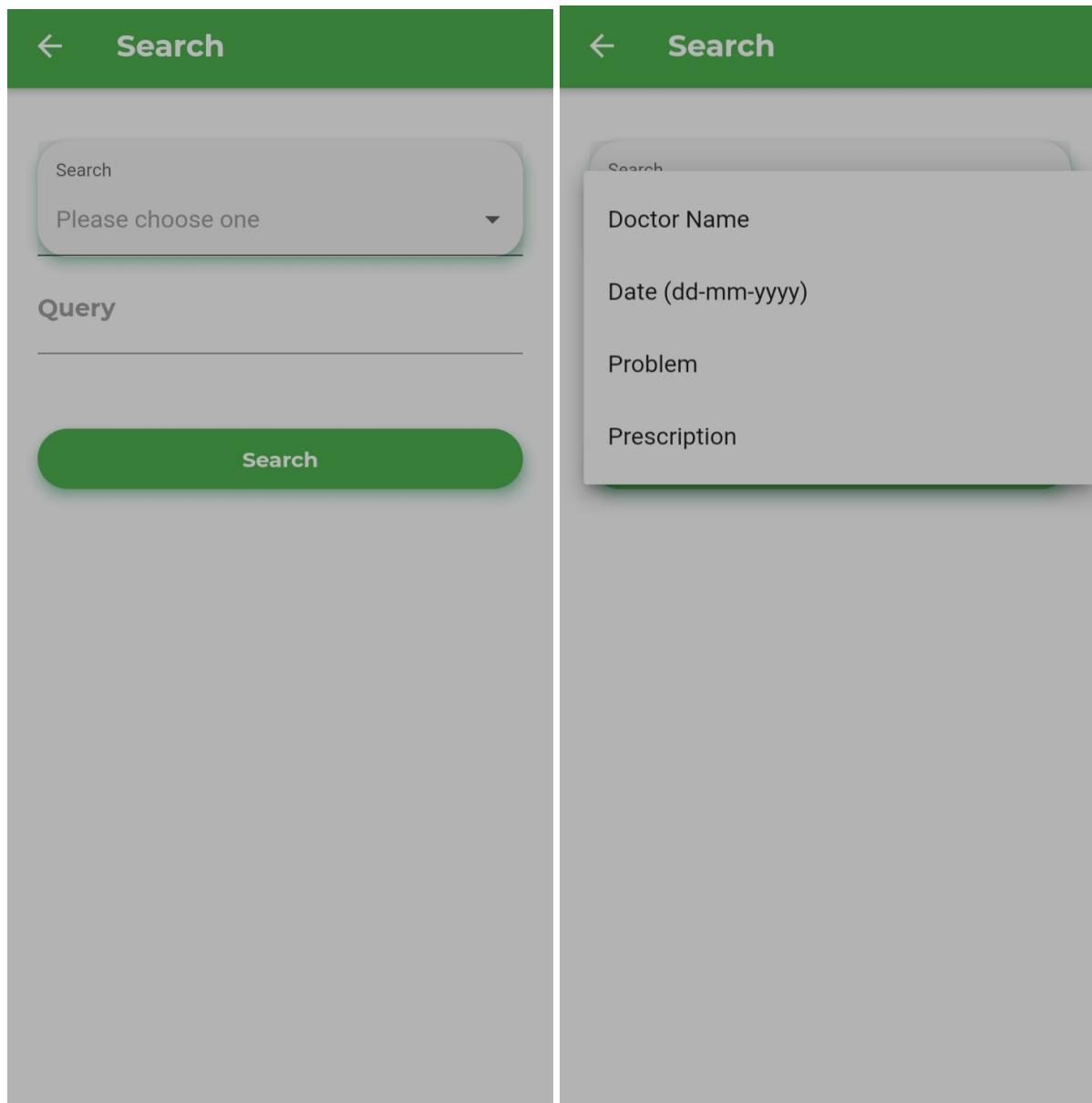


The Upload option will take the users to this screen. Here, they have the option to either upload the prescriptions from the gallery (photo library) or click a picture of the prescription using the mobile camera.

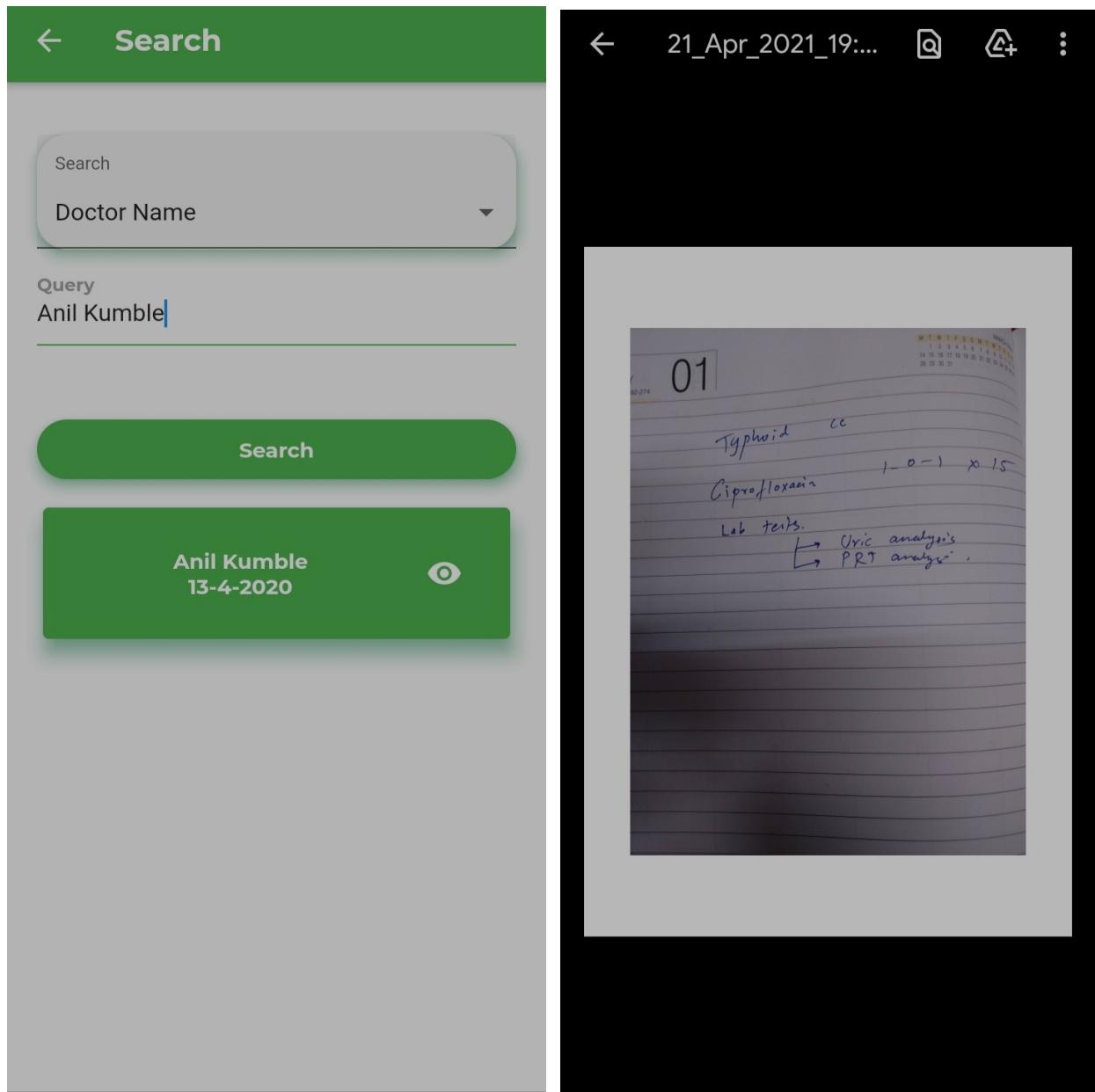


On scanning the image and clicking the save icon on the top right, the user is redirected to their dashboard with the "Success: Uploaded" message.

6) Search and view



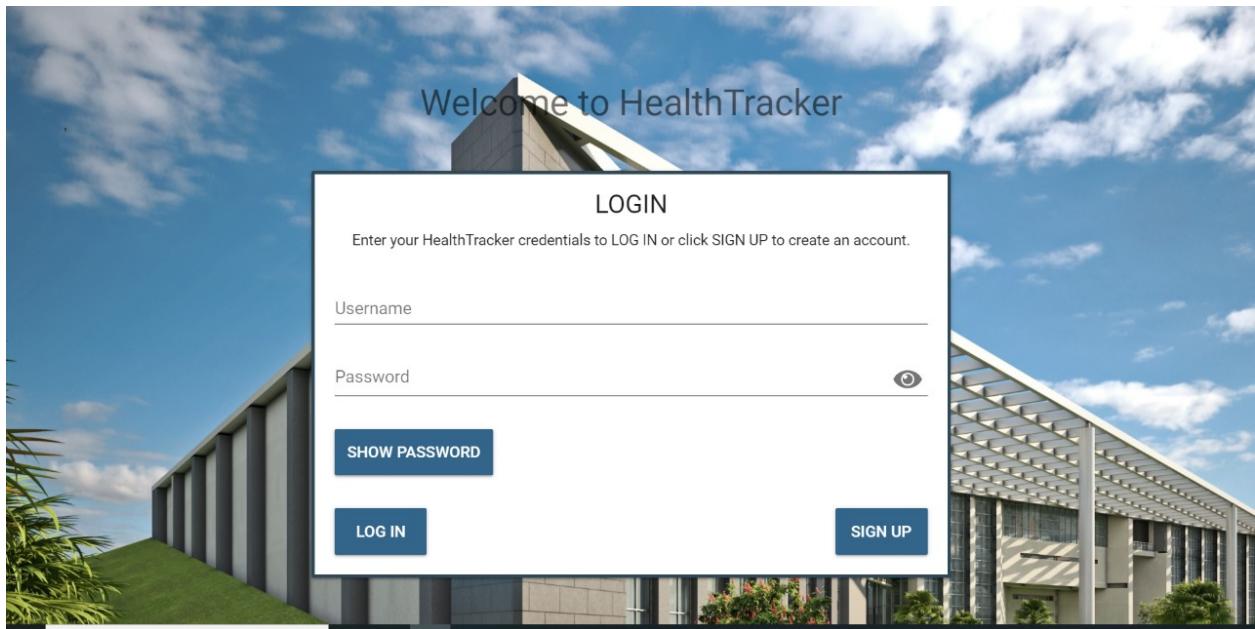
The **Search** icon takes the user to the above screen. Here the user is able to choose one of the many criteria and enter keywords for search of their required prescription.



The search returns details of the prescription. The users can then view their prescription by clicking the eye icon and use it as required.

WEB APPLICATION- HEALTHTRACKER

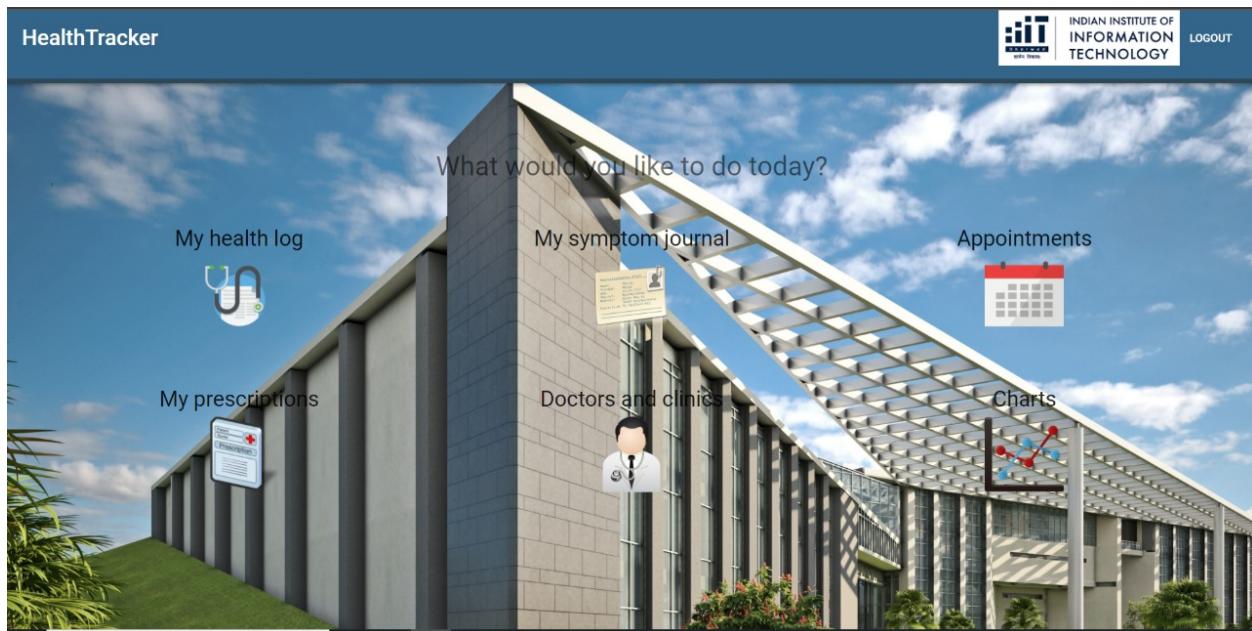
1) App open preview



The web application opens to the login screen. Registered users can sign in using their existing credentials. New users can sign up using fresh login credentials.

2) Home (Dashboard)

Upon signing into the application, the users can choose to navigate and utilize the given six modules.



3) My health log

This screenshot shows the "My health log" section of the application. On the left, there's a vertical sidebar with icons for Home, Health Log, Prescriptions, Symptom Journal, Appointments, Doctors and Clinics, and Charts. The main area has a light blue background. At the top left of the main area, it says "My health log". Below that is a form titled "Add doctor notes" with fields for "Select a doctor" (with a dropdown arrow), "Date of doctor visit" (with a date input field showing "dd-mm-yyyy"), "Reason for visit" (with a text input field), "Height (inches)" (with a text input field), and "Weight (pounds)" (with a text input field). To the right of this form is a list of existing doctor notes. The first note is "Doctor notes from 2020-02-13" with a "DELETE" button below it. The second note is "Doctor notes from 2021-04-14" with a "DELETE" button below it. This note contains details: "Doctor: M", "Reason for visit: jgf", "Height (inches): 175", "Weight (pounds): 65", and "Visit notes: jgjvm".

This feature enables the user to input their regular health details like height, weight, reason for doctor's consultation. Further, they can also digitize the doctor's notes by filling this.

4) My prescriptions

The screenshot shows the 'HealthTracker' application interface. On the left, there is a vertical sidebar with icons for Home, Clinic, Doctor, Prescription, and Logout. The main area has a blue header bar with the 'HealthTracker' logo, the Indian Institute of Information Technology logo, and a 'LOGOUT' button. Below the header, the title 'Prescriptions' is displayed. To the left, a form titled 'Add a prescription' contains fields for 'Name', 'Doctor who prescribed', 'Date prescribed' (with a dd-mm-yyyy placeholder), 'Number of Days prescribed', and 'Medicine Name'. To the right, three prescription cards are listed, each with a 'REMOVE' button:

- Name: Fever
Prescribing doctor: M
Date prescribed: 2021-04-09
Days prescribed: 10
Medicine Name: dfvdfv
- Name: Manideep
Prescribing doctor: Anand
Date prescribed: 2021-04-06
Days prescribed: 10mg
Medicine Name: Before food
- Name: Rahul
Prescribing doctor: Anand
Date prescribed: 2021-04-09
Days prescribed: 10
Medicine Name: Crocin

The prescriptions module provides the user with an interface to enter the doctor and clinic name from existing data, and next enter the diagnosis, the medication and the dosage. It also provides a view and search support.

5) My symptom journal

The screenshot shows the 'HealthTracker' application interface. At the top, there is a blue header bar with the 'HealthTracker' logo on the left, the Indian Institute of Information Technology logo in the center, and a 'LOGOUT' link on the right. Below the header is a vertical sidebar on the left containing icons for Home, Profile, History, and Settings. The main content area has a light blue background and displays the title 'My symptom journal'. A white form box titled 'Add a symptom' contains fields for 'Select symptom type' (with a dropdown arrow), 'Day symptom occurred' (with a date input field 'dd-mm-yyyy'), 'Time symptom occurred (HH:MM AM/PM)' (with a time input field and a clock icon), and 'Additional information you want to share with your doctor' (with a text area). At the bottom of the form is a dark blue 'ADD SYMPTOM' button.

The symptom journal feature helps the user to document the date, time and other details of an occurring symptom due to a specific cause.

6) Doctors and Clinic

This module is for the patient to add the doctors and clinics that they have visited already. This is to maintain a record of all the past details in the previous consultations

The screenshot shows the 'Doctors and clinics' section of the HealthTracker application. On the left, a vertical sidebar contains icons for Home, Profile, Appointments, and Logout. The main content area has a header 'Doctors and clinics'. On the left side of the content area, there is a form titled 'Add a doctor' with fields for First name, Last name, Select a clinic, and Phone number, followed by a 'ADD DOCTOR' button. On the right side, there is a 'Doctors list' section displaying three entries:

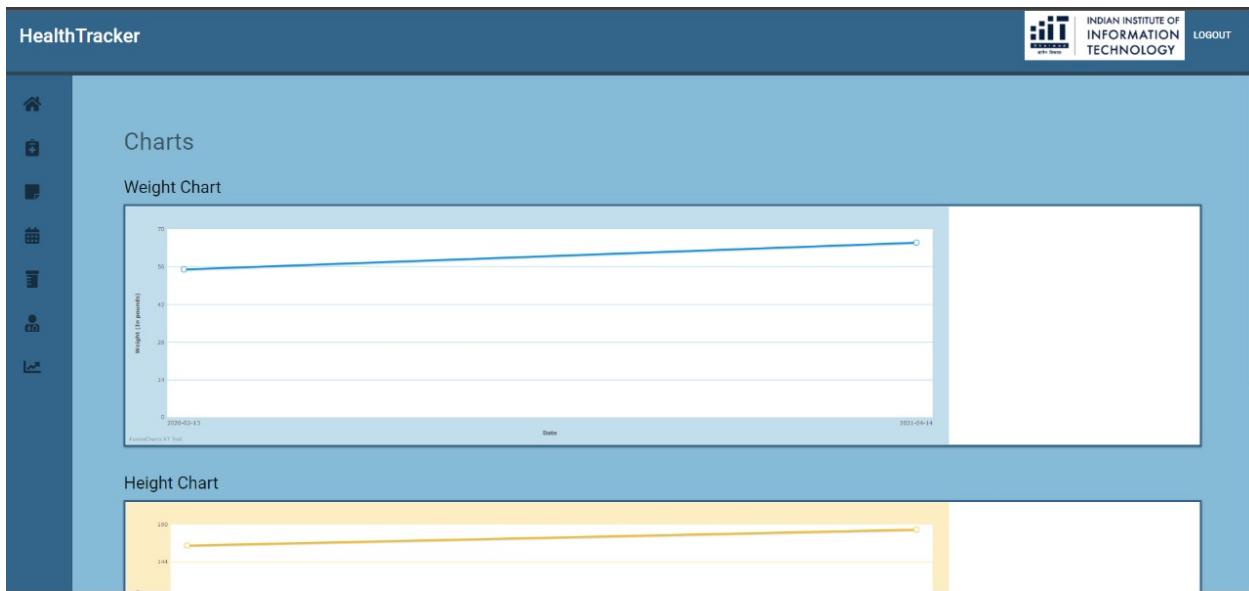
- Doctor:** Madhusudhan M
Clinic: IIIT
Phone: 651654654
DELETE
- Doctor:** Priya Anand
Clinic: IIIT
Phone: 484654848
DELETE
- Doctor:** Vikash Singh
Clinic: IIIT
Phone: 48945165465

7) Appointments

The screenshot shows the 'Appointments' section of the HealthTracker application. On the left, a vertical sidebar contains icons for Home, Profile, Doctors and clinics, Appointments, and Logout. The main content area has a header 'Appointments'. It displays a table with one row of data: Name (Fever), Doctor (Anand), Date (16 Apr 2021), and Time (11:00). Below the table is a form titled 'Add an appointment' with fields for Appointment name, Select a doctor, Appointment date (dd-mm-yyyy), and Appointment time (HH:MM AM/PM). A 'ADD APPOINTMENT' button is at the bottom of the form.

In the appointments tab, the users can fill the details of upcoming appointments with the doctor and clinic information.

8) Charts



Charts feature give a brief graphical information about the patient's basic health signs.