AUTOMATION OF MOBILE MEDICAL UNIT

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PATIENT MOBILE APP MODULE USER MANUAL



VERSION 1.0

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1. Introduction

The overall objective of patient mobile app is to manage the patient data on mobile app. It starts with the registration of patient via login OTP. It allows the patient to book, reschedule and cancel appointment. It also manages the patient medical history including OPD history, lab result. Camp plan can be viewed and its location can be tracked online via mobile app. The app includes the functionality to add family member mapped with the same mobile number.

2. Brief Overview

2.1 Features

This module manages the following features:

- Registration of new user
- Login
- Display Personal information
- Book appointment
- Appointment status (including cancel and reschedule appointment)
- OPD History
- Lab result
- Add family member
- View camp plan
- Logout

2.2 Target Users

The following users can access the user management module:

1. Patient

3. Detailed requirement

3.1 Registration of new user

3.1.1 Description

This functionality allows the user to register new user in the app. The registration is one via OTP. Once the details of user is entered, OTP is generated. After verifying the OTP, the user is registered in the app.

3.1.2 Prerequisites

1. MMU app is installed on user mobile

3.1.3 Screenshot



3.1.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of user who needs to be registered in app

2	Gender	It refers to the gender of the user
3	Age	It refers to the age of user
4	Patient mobile number	It refers to the mobile number of user. This mobile number is
		used to login into the app
5	Password	It refers to the password that should be used for login into the
		арр
6	Confirm password	It refers to the confirm password that should be same as
		password.

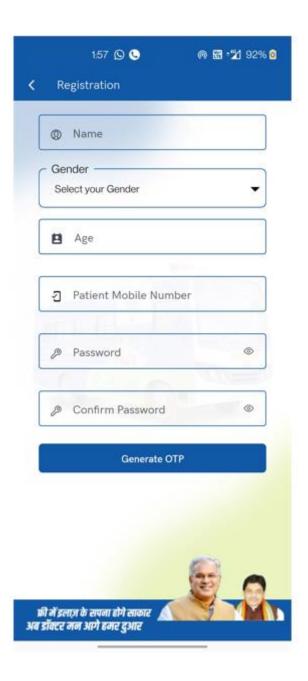
REGISTRAION SCREEN form contains following **BUTTONS**:

SUBMIT: This button allows to register the new user in app.

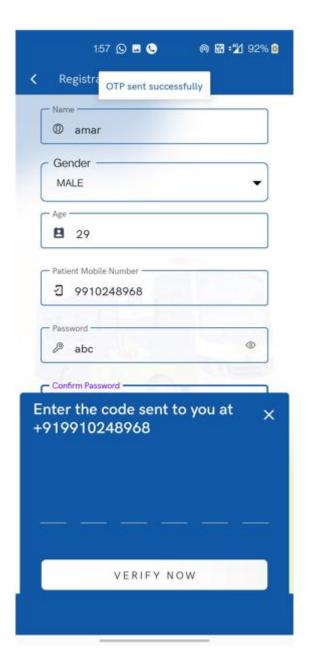
3.1.5 Flow

Steps of process flow:

- 1. Tab on registration link available on Login screen
- 2. The app displays the registration screen as follows:



- 3. Enter/ select the user details
- 4. Tab on Generate OTP button
- 5. The app displays the OTP pop-up for entering OTP:



- 6. Enters the OTP
- 7. Tabs on Verify now button to register the user

3.1.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter name	This message indicates that name is not entered before tabbing on Generate OTP button	User should enter the name

2.	Please select gender	This message indicates that gender is not selected before tabbing on Generate OTP button	User should select the gender
3.	Please enter age	This message indicates that age is not entered before tabbing on Generate OTP button	User should enter the age
4.	Please enter patient mobile number	This message indicates that patient mobile number is not entered before tabbing on Generate OTP button	User should enter the patient mobile number
5.	Please enter password	This message indicates that password is not entered before tabbing on Generate OTP button	User should enter the password
6.	Please enter confirm password	This message indicates that confirm password is not entered before tabbing on Generate OTP button	User should enter the confirm password
7.	Confirm password should be same as password	This message indicates that confirm password is not same as password	User should enter the valid confirm password

3.2 Login

3.2.1 Description

This functionality allows the user to login into the mobile app and access the various functionality assigned to him/ her. User can login into the app via two methods: via password and via OTP. Password should be the same which has been entered while registration. After login into the app, the user can access the functionality based on assigned role.

3.2.2 Prerequisites

- 1. Mobile app must be installed on the user's mobile
- 2. User must have valid user credentials
- 3. Internet connection should be active

3.2.3 Screenshot



3.2.4 Field Description

S. No	Field Name	Description
1	Mobile number	It refers to the username of the user for accessing the mobile
		app.
2	Password	It refers to the password of the user for accessing the mobile
		app.
3	Patient or Official	It defines whether the user is logged in as Patient of official
4	OTP	It refers to the OTP sent to user for login when tabs on login via OTP
		link

LOGIN SCREEN contains following **BUTTON**:

Login: It allows the user to login into the mobile app after entering valid user credentials.

3.2.5 Flow

Steps of process flow:

CASE-1 ("LOGIN VIA PASSWORD)

- 1. Tabs on MMUs icon on mobile
- 2. Enters the mobile number and password
- 3. Tabs on Login button to login into the mobile app

CASE-2("LOGIN VIA OTP")

- 1. Tabs on MMUs icon on mobile
- 2. Enters the mobile number
- 3. Tabs on Login via OTP link
- 4. Enters the OTP in pop-up
- 5. Tabs on Verify now button to login into the mobile app

3.2.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter mobile number	This message indicates that mobile number has not been entered before tabbing on Login button	User should enter mobile number
2.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
3.	Please enter password	This message indicates that password has not been entered before tabbing on Login button	User should enter password
4.	Incorrect user credentials	This message indicates that the entered user credentials are not correct	User should enter valid user credentials
5.	Incorrect OTP	This message indicates that the entered OTP is not correct	User should enter valid OTP

3.3 Dashboard

3.3.1 Description

This functionality allows the user to view the dashboard of mobile app. It shows the different functionalities assigned to the logged-in user. After tabbing on the respective functionality, the user can access the functionality and perform his/ her activity (s).

3.3.2 Prerequisites

1. User must be logged-in into the app

3.3.3 Screenshot



3.3.4 Field Description

S. No.	Field Name	Description
1	Book appointment	It allows the user to book appointment
2	Appointment status	It allows the user to view history of appointment as well as
		the option to cancel or reschedule appointment
3	Camp plan	It allows the user to view camp details against selected
		city
4	Add family member	It allows the user to register family member against logged-in's
		mobile number
5	OPD history	It allows the user to view the OPD history as well as the option
		to download cash sheet, prescription and referral.

3.3.5 Flow

Steps of process flow:

- 1. User logins into the app
- 2. The app displays the dashboard (Refer screenshot)

3.3.6 Messages

N/A

3.4 Display personal information

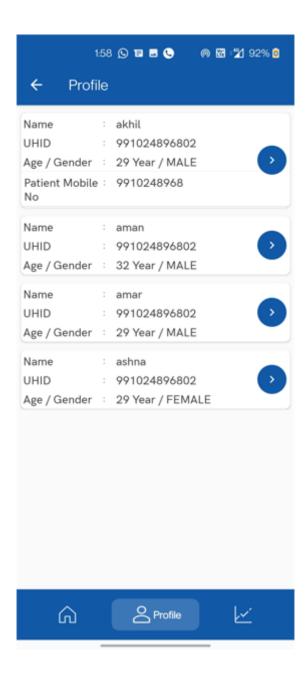
3.4.1 Description

This functionality allows the user to view basic details of the registered user against the entered user credentials. It includes name, UHID No., gender/age and mobile number. It displays the list of all user (s) who are registered against the entered mobile number either through registration process or through add family member screen.

3.4.2 Prerequisites

2. User must be logged-in into the app and is having access to "Personal Information"

3.4.3 Screenshot



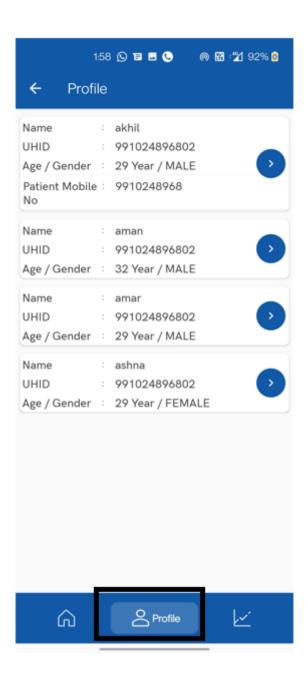
3.4.4 Field Description

S. No.	Field Name	Description
1	Name	It refers to the name of the registered user
2	UHID No.	It refers to a unique system generated number while patient registration
3	Gender/ Age	It refers to the gender and age of the registered user
4	Mobile number	It refers to the mobile number with which the user is logged-in

3.4.5 Flow

Steps of process flow:

3. User tabs on the Profile icon given on bottom of the mobile app as shown below:



- 4. The system displays the following information of registered member:
 - Name
 - UHID
 - Age/ Gender
 - Mobile number

3.4.6 Messages

N/A

3.5 Book appointment

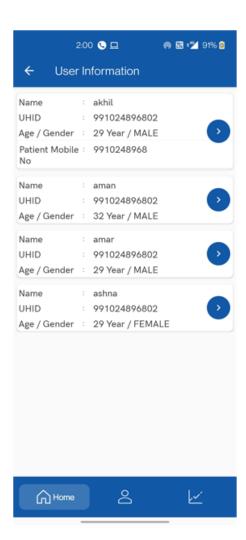
3.5.1 Description

This functionality allows the user to book the appointment based on appointment date, city and camp. Once the appointment is booked, the same is displayed in appointment status or history.

3.5.2 Prerequisites

User must be logged-in into the application and is having access to "Book Appointment"

3.5.3 Screenshot



3.5.4 Field Description

S. No.	Field Name	Description
1	Name	It refers to the name of the patient whose appointment needs to be booked
2	UHID	It refers to the UHID number of patient generate doing registration
3	Age/ Gender	It refers to the age and gender of the patient
5	Patient mobile number	It refers to the mobile number against the patient is registered
6	Appointment date	It refers to the date against the appointment needs to be booked
7	City	It refers to the city against which the appointment needs to be booked
8	Camp	It refers to the camp name against which the appointment needs to be booked. It displays the camp name as well as the current distance between patient location and the selected camp location
9	Time slot	It refers to the list of time slot available against the selected appointment date, city and camp. It displays the time in 12- hour format

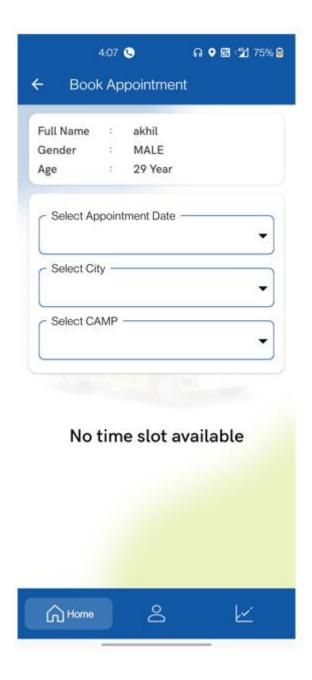
Book Appointment screen contains following **BUTTON**:

Submit: This button is used to book the appointment of the patient after selecting time slot.

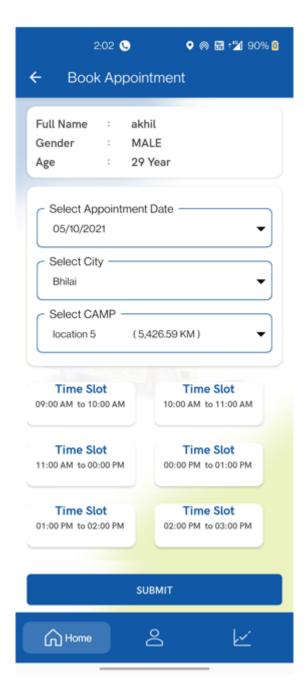
3.5.5 Flow

Steps of process flow:

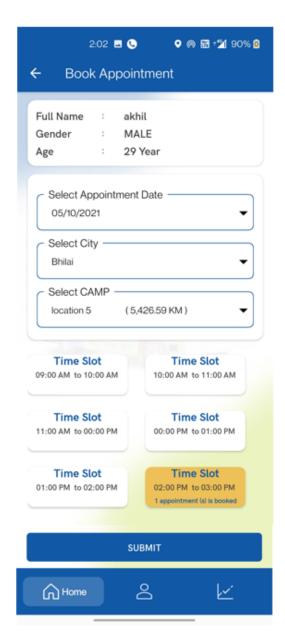
- 1. User tabs on the "Book appointment" image available on Dashboard
- 2. The system displays the list of the registered against the logged-in credentials (Refer screenshot)
- 3. User tabs on the record against which appointment needs to be booked
- 4. The app displays the following screen as shown below:



- 5. User selects the appointment date. City and camp
- 6. The app shows the time list as shown below based on selected values:



7. Tabs on the time slot



8. Tab on submit button to book the appointment

3.5.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select any time slot	This message indicates that time slot is not selected before tabbing on the submit button	User should select the time slot
2.	No time slot available	This message indicates that time slot is not available for the selected date	User should select the another date where time slot is available
3.	Camp is not scheduled for this date	This message indicated that camp is not created against the selected date	User should select any other date

3.6 Appointment status

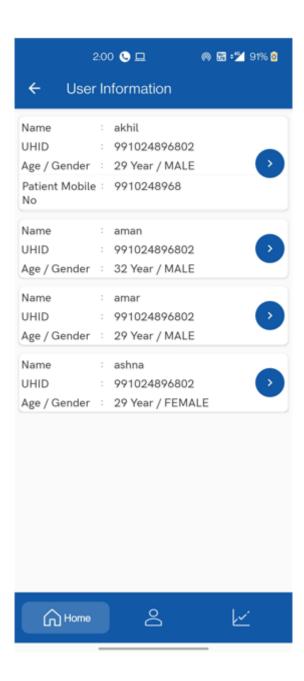
3.6.1 Description

This functionality allows the user to display the list of all appointments which has been taken by patient through mobile app only. The user can cancel or reschedule the appointment. The appointment history can be searched based on different search parameters like from date and to date.

3.6.2 Prerequisites

- 1. User must be logged-in into the mobile app and is having access to Appointment history screen
- 2. Appointment has been booked

3.6.3 Screenshot



3.6.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of the patient whose appointment is
		booked
2	UHID	It refers to the UHID number of patient generate doing
		registration
3	Age/ Gender	It refers to the age and gender of the patient
4	Patient mobile	It refers to the mobile number against the patient is registered
	number	
5	From date and To	It refers to the date range within which appointment is booked
	date	
6	Appointment	It refers to the date which has been selected while booking
	date	appointment
7	Appointment	It refers to the time slot which has been selected while booking
	time	appointment
8	Camp location	It refers to the camp location against which appointment is booked
9	Status	It refers to the current status of the appointment.

APPOINTMENT STATUS screen contains following **BUTTONS**:

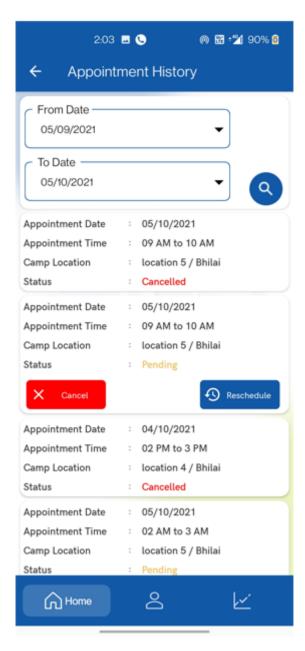
Search: This button allows the user to search the appointment history based on selected search parameter

Reschedule: This button allows the user to reschedule the appointment for later date **Cancel:** This button allows the user to cancel the appointment whose status is pending

3.6.5 Flow

Steps of process flow:

- 1. Tab on the "Appointment Status" displaying on dashboard
- 2. The system displays the list of the registered against the logged-in credentials (Refer screenshot)
- 3. User tabs on the record against which appointment details need to be viewed
- 4. The system displays the appointment history screen of the patient with search parameters like from date and to date as shown below:

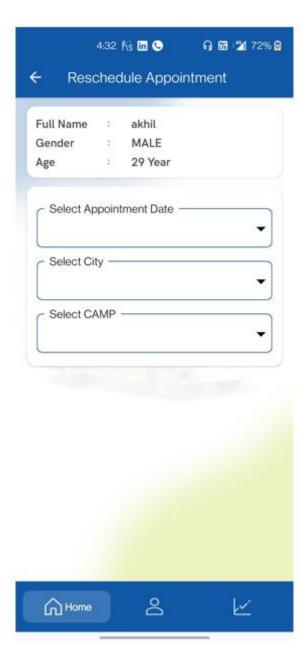


5. User can select any of the search parameter to filter down the list of appointment history of the patient or User can directly perform any of the following actions:

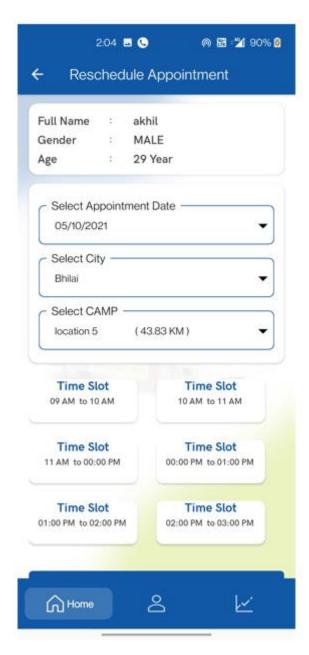
CANCEL: User tabs on Cancel button to cancel the scheduled appointment.

RESCHEDULE:

- User tabs on Reschedule button.
- The system displays the following screen:



- User selects the appointment date, city and Camp
- The system displays the available timeslot



- User selects the time slot
- User tabs on Submit button to reschedule the appointment.

3.6.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button

2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date
3.	Please select any time slot	This message indicates that time slot is not selected before tabbing on the submit button	User should select the time slot
4.	No time slot available	This message indicates that time slot is not available for the selected date	User should select the another date where time slot is available
5.	Camp is not scheduled for this date	This message indicated that camp is not created against the selected date	User should select any other date

3.7 OPD History

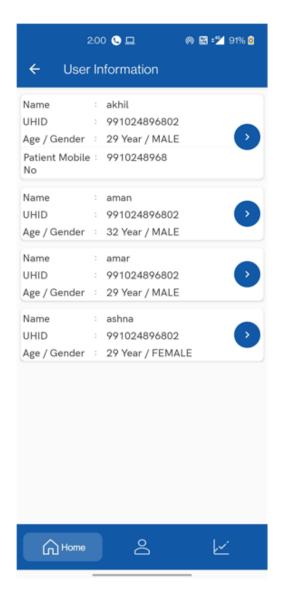
3.7.1 Description

This functionality allows the user to display the list of OPD which has been completed in the application. It displays the list of all OPD whose appointment has been taken through MMU application as well as mobile app. The user can download the OPD slip and referral against the particular OPD. The OPD history can be searched based on different search parameters like from date and to date.

3.7.2 Prerequisites

- 1. User must be logged-in into the application and is having access to OPD history screen
- 2. OPD consultation is completed of the patient

3.7.3 Screenshot



3.7.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of the patient whose OPD history needs to
		be viewed
2	UHID	It refers to the UHID number of patient generate doing
		registration
3	Age/ Gender	It refers to the age and gender of the patient
4	Patient mobile	It refers to the mobile number against the patient is registered
	number	
5	From date and To	It refers to the date range within which OPD history needs to be
	date	viewed
6	Department	It refers to the name of department where OPD is completed
	name	
7	OPD date	It refers to the date when OPD is completed
8	MMU name	It refers to the name of MMU or camp where OPD is completed

OPD HISTORY screen contains following **BUTTONS**:

SEARCH: This button allows the user to search the OPD history based on selected search parameter

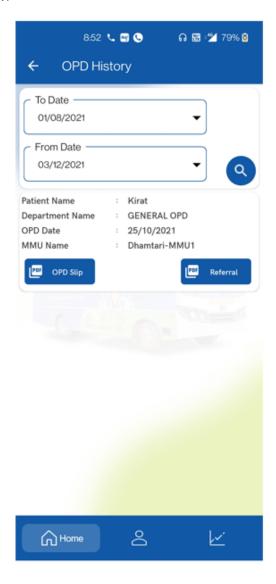
OPD SLIP: This button allows the user to download the OPD slip in PDF format

REFERRAL: This button allows the user to download the referral slip in PDF format

3.7.5 Flow

Steps of process flow:

- 1. Tab on the "OPD History" image available on dashboard
- 2. The app displays the list of registered patient
- 3. User tabs on the patient record against which the OPD history needs to be viewed
- 4. The system displays the OPD history screen of the patient with search parameters like from date and to date as shown below:



- 5. User can select any of the search parameter to filter down the list of OPD history of the patient or User can directly perform any of the following action:
 - ✓ Tabs on OPD slip button to download the OPD slip
 - ✓ Tabs on Referral button to download the referral slip

3.7.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button
2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date

3.8 Lab result

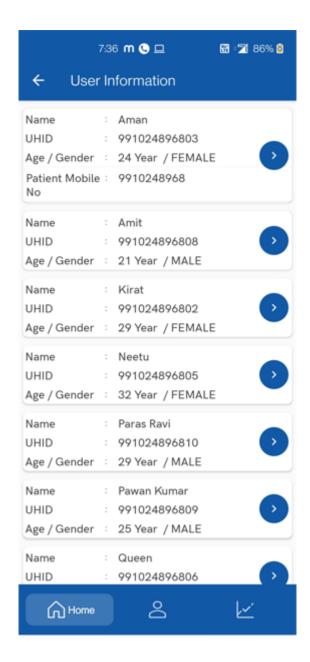
3.8.1 Description

This functionality allows the user to display the lab result which has been validated in the application. It displays the list of mapped patients whose lab result is entered and validated. It includes date of result validation, investigation detail, result and user details who validated the result. The user can download the lab report against particular patient. The lab result can also be searched based on different search parameters like from date and to date.

3.8.2 Prerequisites

- 1. User must be logged-in into the application and is having access to Lab result screen
- 2. Lab result is entered and validated

3.8.3 Screenshot



3.8.4 Field Description

S. No	Field Name	Description
1	Name	It refers to the name of the patient whose lab result needs to
		be viewed
2	UHID	It refers to the UHID number of patient generate doing
		registration
3	Age/ Gender	It refers to the age and gender of the patient
4	Patient mobile	It refers to the mobile number against the patient is registered
	number	
5	From date and To	It refers to the date range within which lab result needs to be viewed
	date	
6	Date	It refers to the date when the result is entered and validated

7	Investigation	It refers to the name of investigation against which lab result is
	name	entered and validated
8	Result	It refers to the result entered and validated
9	Unit	It refers to the unit mapped with each investigation
10	Range	It refers to the normal range mapped with each investigation
11	Entered/	It refers to the name of user who has entered and validated the result
	Validated By	

LAB RESULT screen contains following **BUTTONS**:

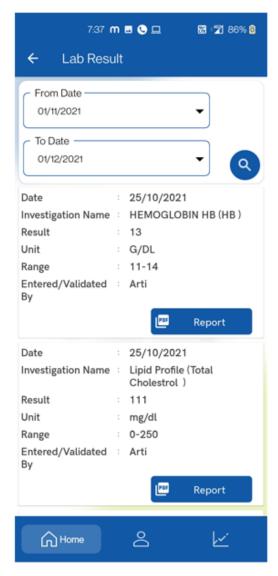
SEARCH: This button allows the user to search the lab result based on selected search parameter

REPORT: This button allows the user to download the report in PDF format

3.8.5 Flow

Steps of process flow:

- 1. Tab on the "Lab result" image available on dashboard
- 2. The app displays the list of registered patient
- 3. User tabs on the patient record against which the lab result needs to be viewed
- 4. The system displays the lab result screen of the patient with search parameters like from date and to date as shown below:



- 5. User can select any of the search parameter to filter down the list of lab result of the patient or User can directly perform any of the following action:
 - ✓ Tabs on Report button to download the lab report

3.8.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button
2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date

3.9 View camp plan

3.9.1 Description

This functionality allows the user to view the camp plan which are configured in MMU application. Camp plan includes the camp details like date and time, location, landmark, longitude and latitude as well as the google map to view the direction. The camp details are displayed based on selected date range and city.

3.9.2 Prerequisites

1. User must be logged-in into the application and is having access to Camp plan screen

3.9.3 Screenshot



3.9.4 Field Description

S. No	Field Name	Description
1	From date and To date	It refers to the date range within which the camp details need to be
		searched
2	City	It refers to the name of city against which camp details need to be viewed
3	Camp available on	It refers to the date when camp is available
4	Camp start time	It refers to the start time of camp
5	Camp end time	It refers to the end time of camp
6	Camp location	It refers to the location where camp is running
7	Camp landmark	It refers to the nearest landmark of the camp
8	Camp date	It refers to the date when camp is conducted
9	Camp distance	It refers to the distance of camp from patient's location

CAMP PLAN SCREEN displays the following **button**:

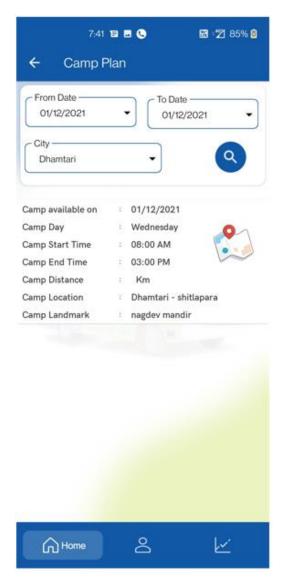
SEARCH: This button allows the user to search camp details against selected search parameter

GOOGLE MAP ICON: This icon allows the user to show the camp direction

3.9.5 Flow

Steps of process flow:

- 1. Tab on the "Camp plan" image available on dashboard
- 2. The app displays the search screen (Refer screenshot)
- 3. User selects the search parameter and tabs on search icon
- 4. The system displays the camp details as follows:



5. Tabs on google map icon to view the google map for direction

3.9.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please select From date and To date	This message indicates that user has not selected any search parameter before tabbing on Search button	User need to select the search parameter and tabs on Search button
2.	To Date cannot be earlier than the From Date	This message indicates that user has selected To date earlier than the From date	User should select the To Date later than the From date

3.	Please select city	This message indicates that	User need to select the city and tabs on
		user has not selected any	Search button
		city before tabbing on	
		Search button	

3.10 Add family member

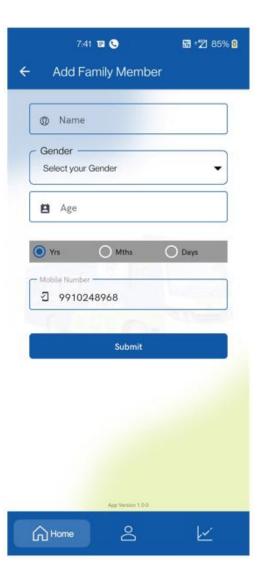
3.10.1 Description

This functionality allows the user to add family member against the logged-in' user mobile number. The basic details like name, age, gender are captured. Once the details of user is entered, the family member is registered in the app.

3.10.2 Prerequisites

- 1. MMU app is installed on user mobile
- 2. Use should be logged-in into the app and is having access to add family member screen

3.10.3 Screenshot



3.10.4 Field Description

S. No	Field Name	Description	
1	Name	It refers to the name of user who needs to be registered in app	
2	Gender	It refers to the gender of the user	
3	Age	It refers to the age of user. Age is captured in years, months or	
		days	
4	Patient mobile number	It refers to the mobile number of user. This mobile number is	
		used to login into the app	

ADD FAMILY MEMBER SCREEN form contains following **BUTTONS**:

SUBMIT: This button allows to register the family member in app.

3.10.5 Flow

Steps of process flow:

- 1. Tab on Add family member icon available on dashboard
- 2. The app displays the rad family member screen (refer screenshot)
- 3. Enter/ select the user details
- 4. Tabs on Submit button to register the user

3.10.6 Messages

S. No.	Message	Reason	Expected Action from the user
1.	Please enter name	This message indicates that name is not entered before tabbing on Submit button	User should enter the name
2.	Please select gender	This message indicates that gender is not selected before tabbing on Submit button	User should select the gender
3.	Please enter age	This message indicates that age is not entered before tabbing on Submit button	User should enter the age
4.	Please enter patient mobile number	This message indicates that patient mobile number is not entered before tabbing on Submit button	User should enter the patient mobile number

3.11 Logout

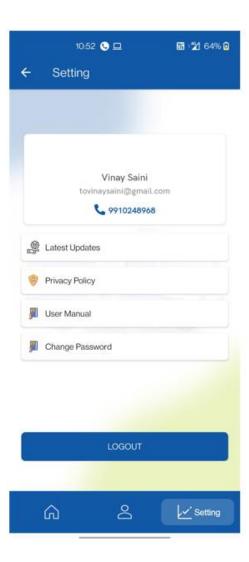
3.11.1 Description

This functionality allows the user to logout from the application. The user can logout from the application either by the session time is over or logout button is clicked.

3.11.2 Prerequisites

- 1. User must be logged in into the application
- 2. Internet connection should be active

3.11.3 Screenshot



3.11.4 Field Description N/A 3.11.5 Flow Steps of process flow: 1. Tabs on Setting icon showing at the bottom in mobile app (Refer screenshot) 2. Tabs on Logout button to logout from the app 3.11.6 Messages N/A