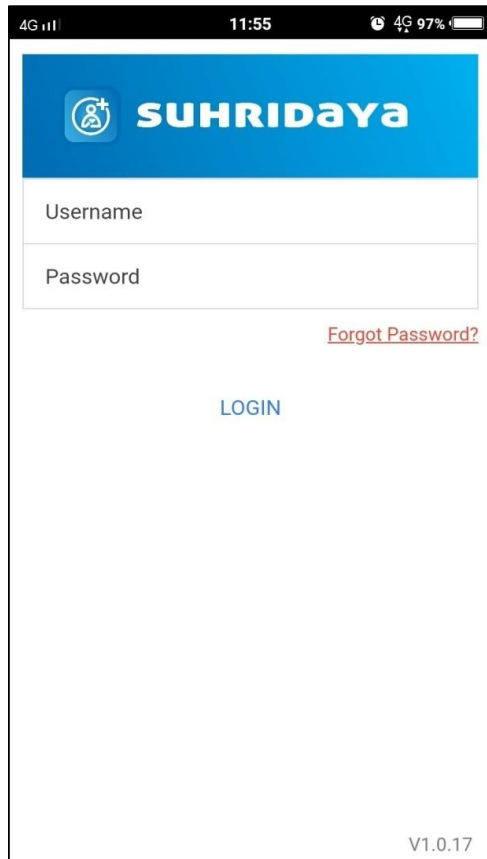


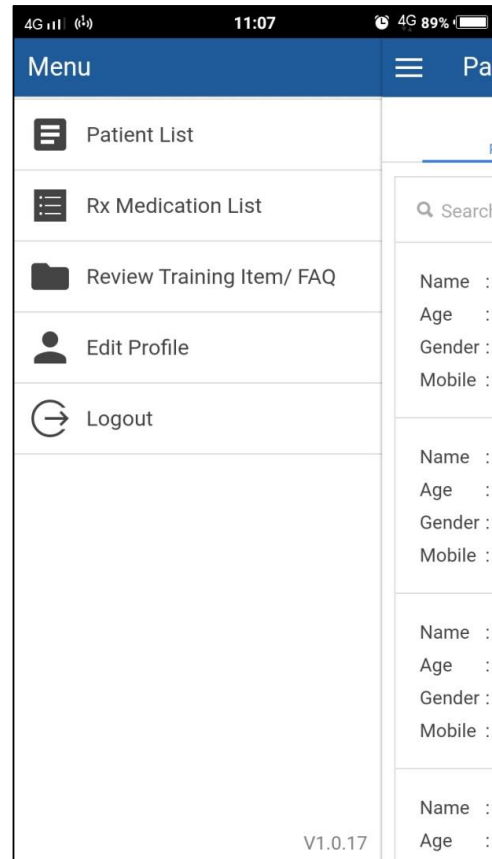
Appendix 2: App design and features

App at nurse interface:

1. Log in page



2. Menu



mHealth _ Appendix 2

3. Add new patient

4G 11:13 4G 86%

☰ Add New Patient

DEMOGRAPHICS

Hospital/IP Number* Enter Hospital/IP Number

Trial Unique Id* Enter Trial Unique Id

First Name* Enter First Name ↑ 📞

Last Name Enter Last Name

Date of Birth* 11/22/2020

Gender* ▾

Height cm ▾

Mobile Number* Enter Mobile Number

Email Enter Email

Contact Details

Address Line 1 Enter Address

4. Patient detailed profile

4G 11:14 4G 85%

☰ Edit Patient

Demographics Medical Records Co-morbidities Symptoms Key Investigations

DEMOGRAPHICS

Hospital/IP Number* Enter Hospital/IP Number

Trial Unique Id* Enter Trial Unique Id

First Name* Enter First Name

Last Name Enter Last Name

Date of Birth*

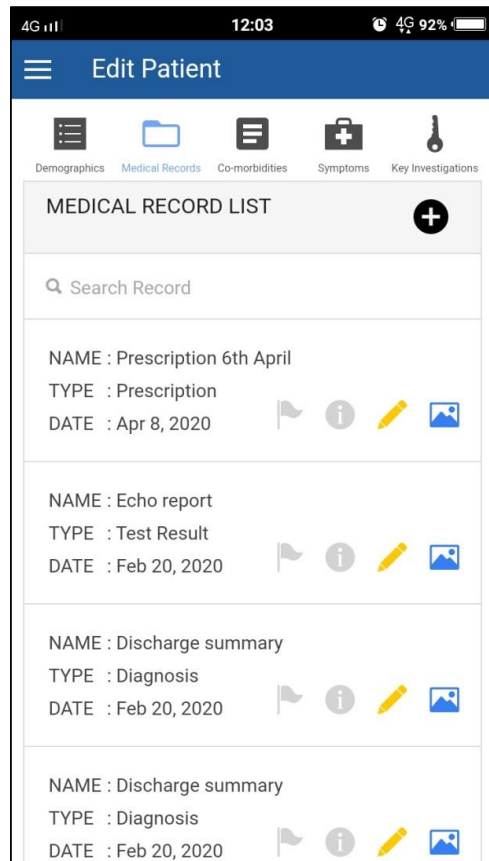
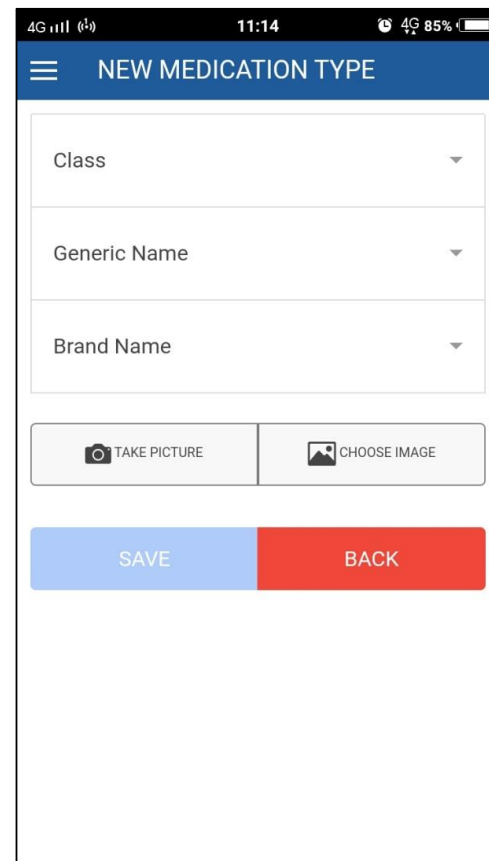
Gender* Male ▾

Height cm ▾

Mobile Number* Enter Mobile Number

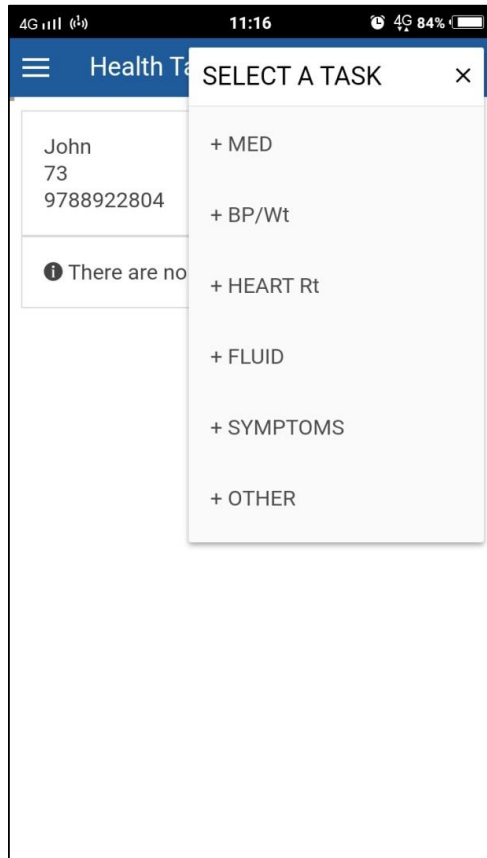
Email Enter Email

mHealth _ Appendix 2

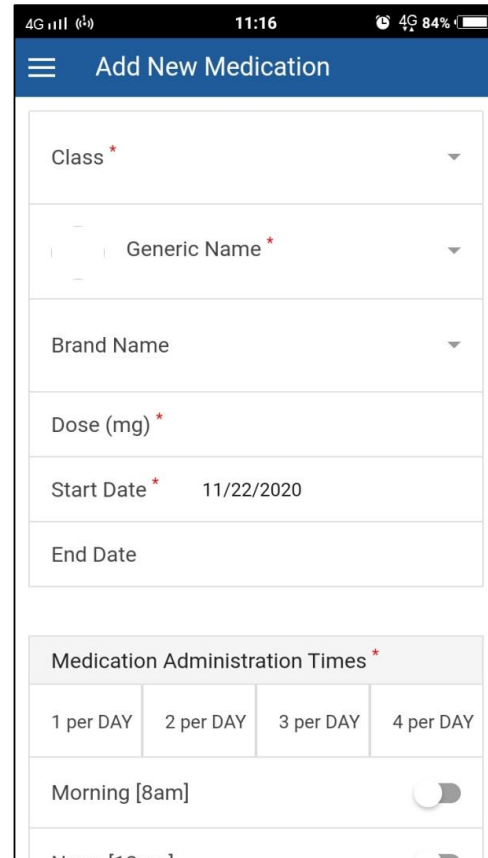
5. Patient medical records**6. To create medication list**

mHealth _ Appendix 2

7. Assigning task



8. Assign medication reminder after filling medication details



mHealth _ Appendix 2

9. Assign BP/weight task

4G 11:17 4G 84%

☰ Add BP/Weight

ADD BP EVENT

End Date

SYSTOLIC ALERT RANGE WITH SYMPTOMS

DEFAULT RANGE - (mmHg)

Min

Max

SYSTOLIC ALERT RANGE WITHOUT SYMPTOMS

DEFAULT RANGE - (mmHg)

Min

Max

DIASTOLIC ALERT RANGE WITHOUT SYMPTOMS

10. Assign fluid intake task

4G 11:17 4G 84%

☰ Add Fluid Intake

End Date

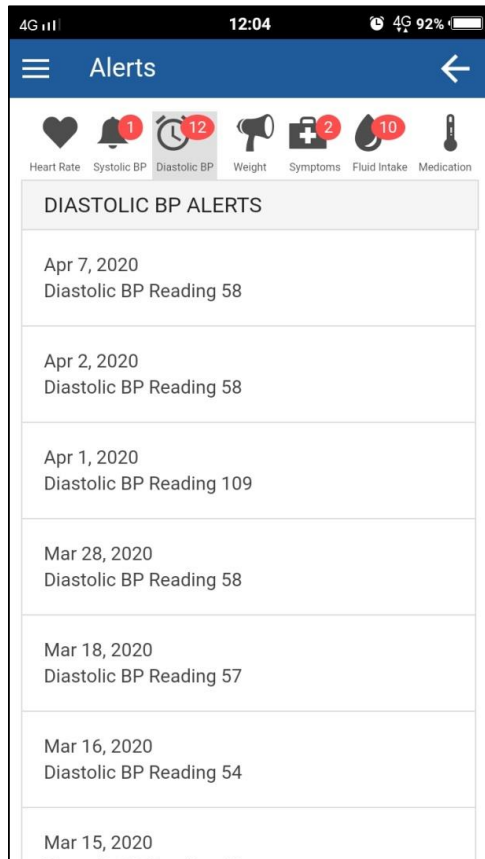
Save Back

mHealth _ Appendix 2

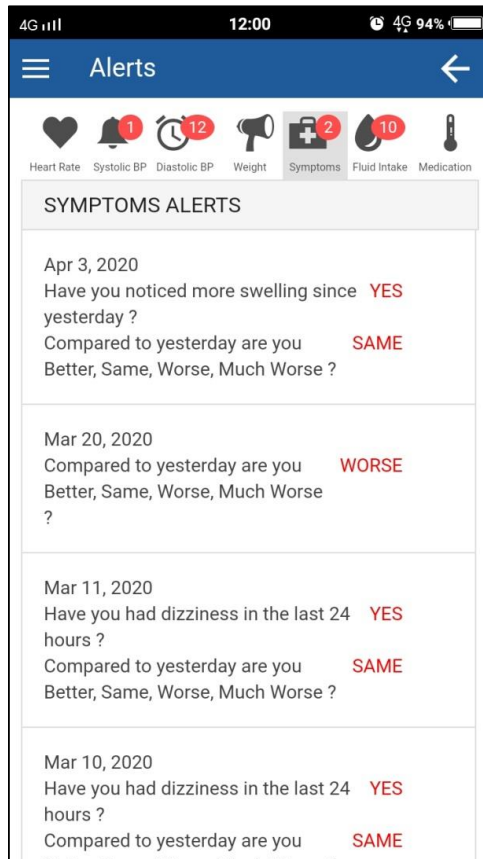
11. Assign heart rate task

12. Assign symptom/sign monitoring task

mHealth _ Appendix 2

13. Recognizing alerts, Diastolic blood pressure**14. Recognizing fluid intake alerts**

mHealth _ Appendix 2

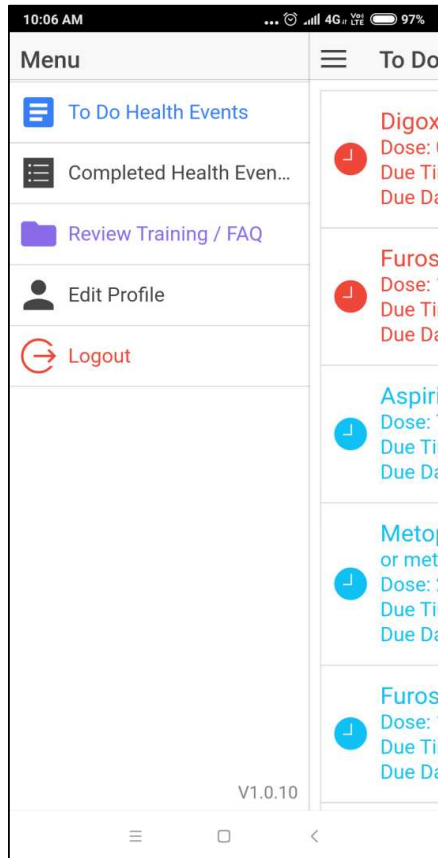
15. Recognizing symptom/sign alert**Table 1: Alerts reported by patients/ caregivers:**

Alerts reported, N = 62	No. of alerts n (%)
Fluid intake	36 (58.1)
Variance in diastolic BP	12 (19.4)
Symptom worsening	10 (16.1)
Variance in systolic BP	4 (6.5)

mHealth _ Appendix 2

App at patient interface:

1. Menu

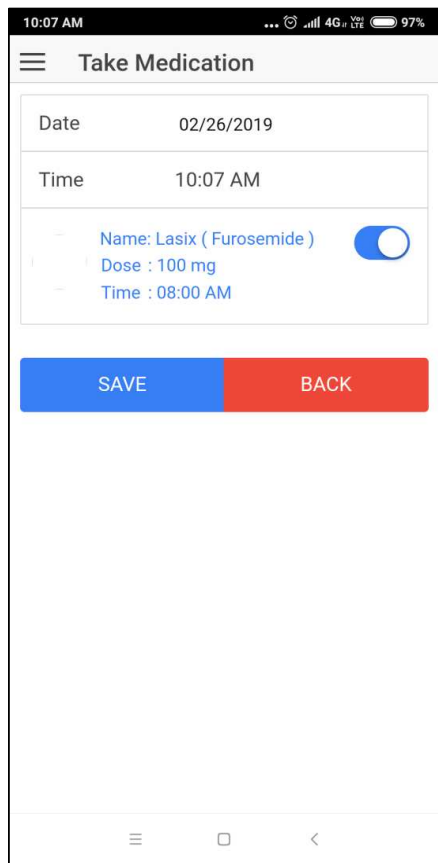


2. To do health events



mHealth _ Appendix 2

3. Medication taking & acknowledgement



4. Completing task of entering



mHealth _ Appendix 2

5. Completing task on entering weight

10:08 AM 4G 96%

☰ Periodic Input Parameters

Date	02/26/2019	
Time	10:08 AM	
Weight		
Enter Weight (Kgs)	82	
BMI	29.05	OVERWEIGHT

SAVE BACK

☰ □ <

6. Completing task on heart rate

10:08 AM 4G 96%

☰ Heart Rate Record

Date	02/26/2019
Time	10:08 AM
Heart Rate (BPM)	
<input type="range"/>	207

SAVE BACK

☰ □ <

mHealth _ Appendix 2

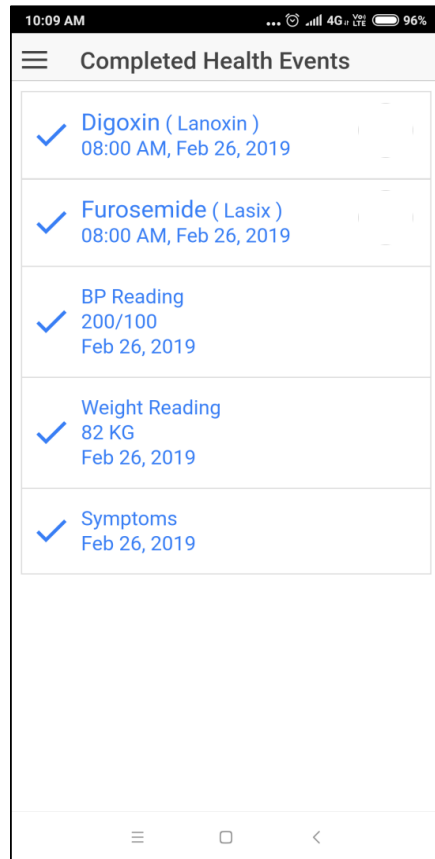
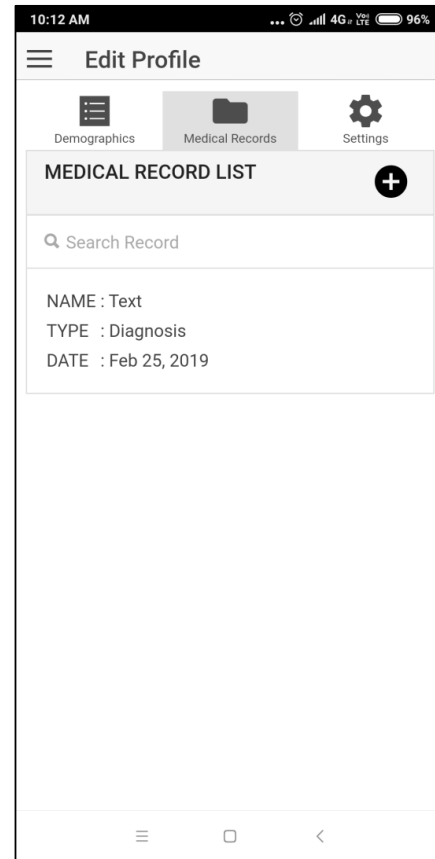
7. Completing task on entering fluid intake

The screenshot shows the 'Fluid Intake Record' app interface. At the top, the status bar displays '10:08 AM', signal strength, 4G, Wi-Fi, and 96% battery. The app title 'Fluid Intake Record' is in the top left. Below the title, there are two input fields: 'Date' with the value '02/26/2019' and 'Time' with the value '10:08 AM'. A third field is labeled 'Fluid Intake (litres)' and contains a slider control and the number '4'. At the bottom, there are two buttons: a blue 'SAVE' button and a red 'BACK' button. The bottom navigation bar shows a hamburger menu icon, a square icon, and a back arrow icon.

8. Reporting symptoms/signs task

The screenshot shows the 'Symptoms Record' app interface. At the top, the status bar displays '10:09 AM', signal strength, 4G, Wi-Fi, and 96% battery. The app title 'Symptoms Record' is in the top left. Below the title, there are two input fields: 'Date' with the value '02/26/2019' and 'Time' with the value '10:08 AM'. The interface is divided into two sections: 'SYMPTOMS GP1' and 'SYMPTOMS GP2'. Under 'SYMPTOMS GP1', there are three questions, each with a blue toggle switch: 'Have you felt more short of breath since yesterday?', 'Have you noticed more swelling since yesterday?', and 'Have you had dizziness in the last day?'. Under 'SYMPTOMS GP2', there are two questions, each with a blue toggle switch: 'Did you wake up short of breath last night?' and 'Did you sleep on a chair propped up with a pillow last night?'. At the bottom, there is a text input field with the placeholder text 'Compared to yesterday are you Better, Worse, Much Worse?'. The bottom navigation bar shows a hamburger menu icon, a square icon, and a back arrow icon.

mHealth _ Appendix 2

9. Completed health events**10. Viewing uploaded medical record****Table 2: App issues at patient/caregiver interface:**

Technological issues at patient interface	No. of issues
App download issue	3
Log in issue	1
Medication swipe issue	1
Translations missing (drug names and symptom questions)	1
Non-reflection of medication/ task lists	3
Total	9