

Medicine Helper



PROBLEM STATEMENT

A hospital nurse has just visited a patient and needs to give him a medication. The patient has not taken the medication before, but needs to take the medication 4 more times in the next 48 hours. The patient is currently taking 3 other medications. One medication is for a chronic condition, and the other two medications were first given when the patient arrived to the facility.

**Started with the interest in mind
regarding Medicine reminder , System
organizer**



Framework of Design- Discover, Define, Design

1. Stakeholders

2. Use Cases

3. Scenario map


4. Need/Requirements

5. Data Points

6. Design Interface

7. Prototype

Stakeholders

- 
- Patient
 - Doctor
 - Nurse

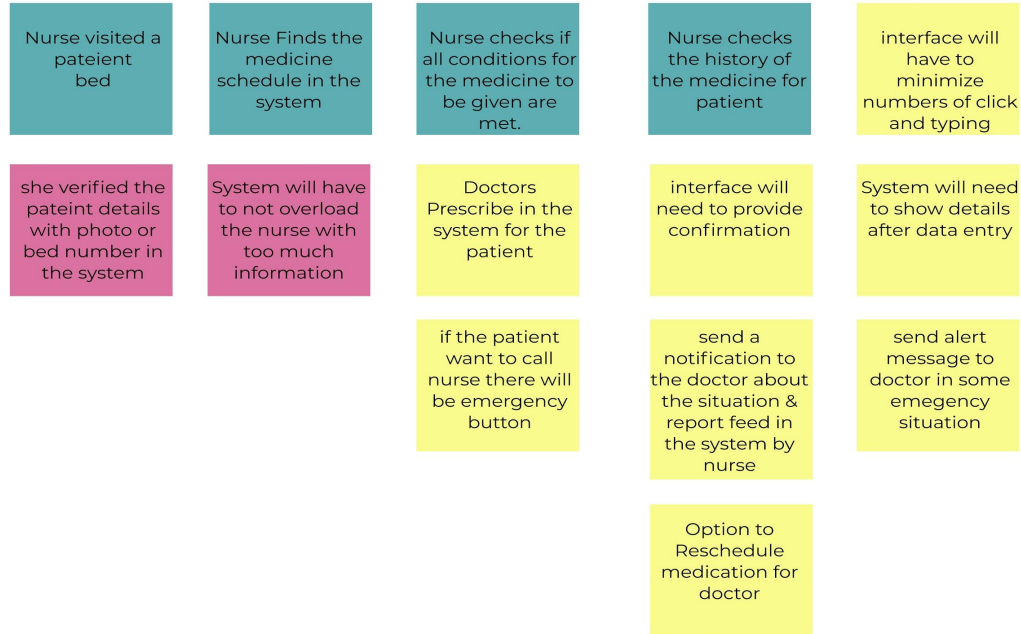
Use Cases

- As a patient, they should be reminded to take the medication. Sending push notification that the medicine has to be taken.
- As a Patient, they must be reminded when to take the medicine: Notification would say that the medicine is due in 15 minutes.
- Nurse should get to know which medicine to give and the dosage: App would say the name of medicine to give and the dosage to give (30mg).
- Nurse should know when the next medicine is due: The app would display which and when is the next medicine due along with directions.
- As a patient, if I take incorrect medication by mistake, I should be able to communicate the same: App would have an option to report for taking incorrect medicine which would be sent to nurse and take appropriate action if required.
- Doctor Should be Prescribed Medicines schedule timing on app.

1. Nurse interacts with the patient, their hospital record, the attending physician, the medicines and other staff members.
2. A simple and easy to use interface which requires no training and integrates seamlessly with the nurse's current workflow would work best.

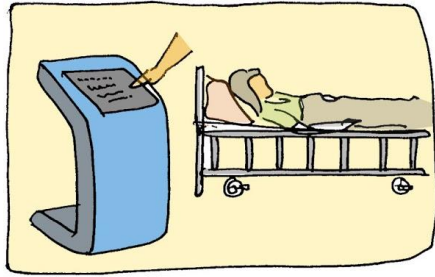
Scenario Mapping

"A nurse has just visited with a patient and administered a medication. She has accessed the page in the application where she needs to enter the medication. The patient has not taken the medication before but needs to take the medication 4 more times in the next 48 hours. The patient is currently taking 3 other medications. One medication is for a chronic condition, and the other two medications were first administered when he arrived at the hospital."

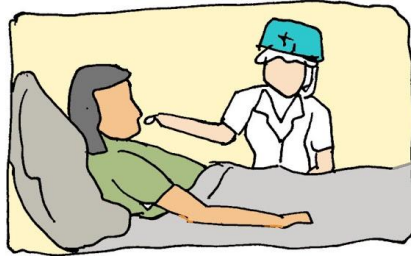


Scenario

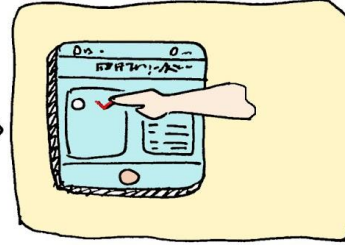
Solution



- Nurse visited the patient
- Log in Nurse account
- View patients profile



Nurse give medicine to patient according to medicine schedule



After giving the medicine nurse put tick mark on app to ensure medicine successfully administered



Than finally doctor get patients report by push notification on phone.

Requirements

Organizing

- Proper infographics to tell the user about the time and dosage
- Doctors prescription - information should be stored in the device.
- There should be different compartments in the organizer for different kinds of medicines
- Easy navigation & system visibility/usability
- Progress report
- Patient data record

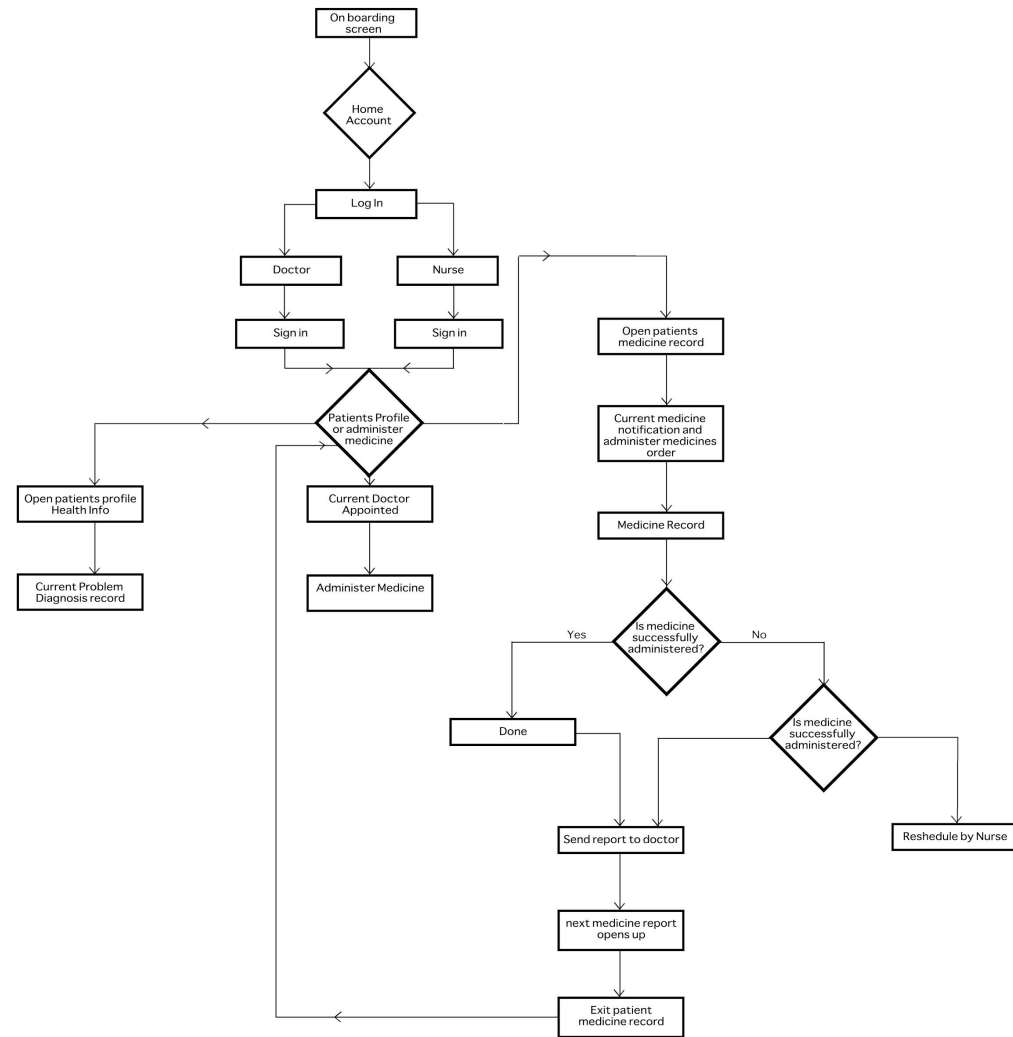
Synchronization with time

- Device reminds the users who are busy in hospital system
- Should remind the users about the medication timing
- Device will display waiting period time for next medication

Points

- **For Patient:** Full name, Bed number, Contact details, Appointed Doctor, Doctors prescription,
- **For Medication:** Prescribing Medication name & Dose with Time, Nurse name(on duty), Treatment Record (Date & Time)
- **For Doctor:** Prescribing Medication, Patient Record to see health progress
- **For Nurse:** Check Medication Schedule, Specific care, progress report

Workflow Diagram



Prototype

