MEDICATION TRACKING
UX Case Study

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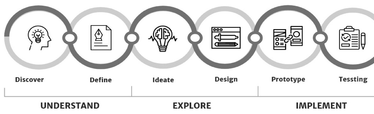
THE CHALLENGE

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. The nurse should also have access to basic patient information and also learn what medication has already been given to the patient.

THE RESULT

A digital application that tackles the problems of medication management and also to track the medication given to a patient by inpatient nursing staff.

DESIGN PROCESS



Discover	Define	Explore	Implement
• Primary Research • Secondary Research - User Goal - Business Goal • Defining Problem statement • Conducting User interview - Interview with Stakeholders - Survey Questionnaire • Competitive Analysis	• Identifying user segments • Defining Primary, Secondary and tertiary user • User Persona - Identifying Needs - Motivations - Pain Points • User Journey - User task Flow - Mapping Pain Points - Touch Points - Identifying Opportunities	• Information Architecture • Feature mapping • Task flow • Strategy Road map	• Wireframes Prototype • UI Prototype • Testing (TBD)

DISCOVER

Business Goals
To design a digital application digital application for inpatient nursing staff to track the medication given to a patient.

Target Users
People who are admitted in the hospital. Doctors & nursing staff who have access to the patient

Cross Channels
Responsive Web Application
Mobile Application

Technology Constraints
Availability of Internet
Smartphone / Tablets / Desktop devices

General Tasks
Ability to enter a medication taken, and also learn what medication has already been given to the patient.

OBJECTIVE

Objectives of research were to understand the problems that nursing staff and doctors facing like, keep a track of all the medication given and new once added to the list and also the patient medical profile. Other than that, keeping track of all patient records. With so many tasks at hand, there is a good probability of mismanagement.

The application for patient medication management will work a great deal toward reducing this probability. Instead of maintaining records in a book or managing an excel sheet, you can make them digital. Because so many lives are at stake, healthcare is traditionally a conservative industry. Keeping track of all patient records will help. The data will be stored in the application automatically, reducing the chances of manual errors.

GOALS

1. The user should be able to create profile of a patient.
2. The user should have access to basic patient information while giving medication.
3. The user should have the ability to enter a medication taken, and also learn what medication has already been given.

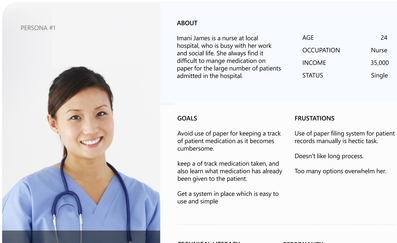
USER SEGMENTATION

Primary Users
Nursing Staff
Doctors

Secondary Users
Other Medical Staff

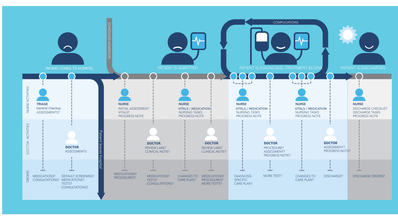
Tertiary Users
Admitted Patitents

PERSONA

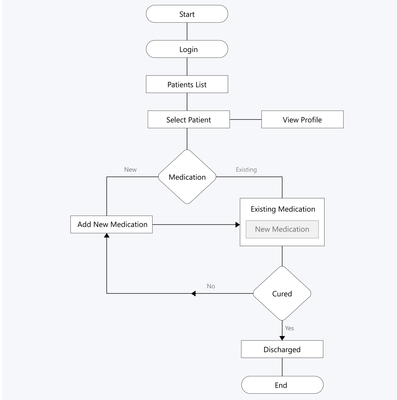


USER JOURNEY MAP

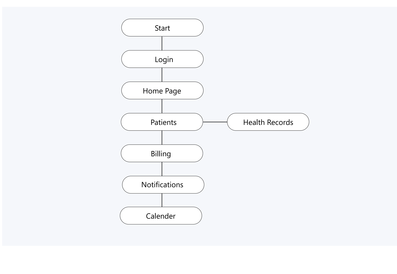
The user Journey is as similar as how an average person visits the hospital and gets admitted for a chronic disease, from there on as advised by the doctor the nurse would be taking care of the medication, vitals and so on as referred by doctor, this process gets repeated with changes in the care plan until and unless the patient gets cured and discharged.



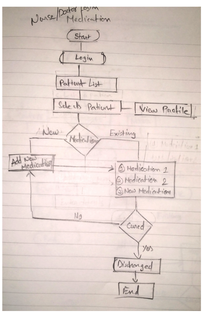
TASK FLOW

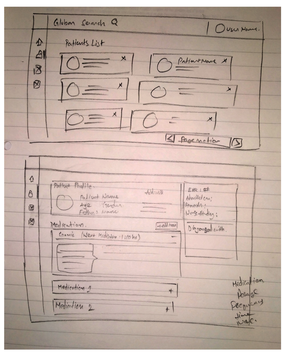


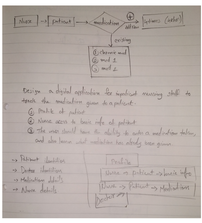
INFORMATION ARCHITECTURE

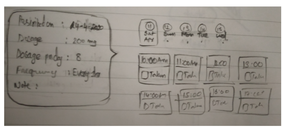


SKETCHES



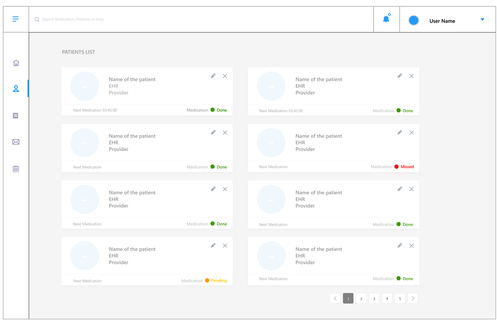




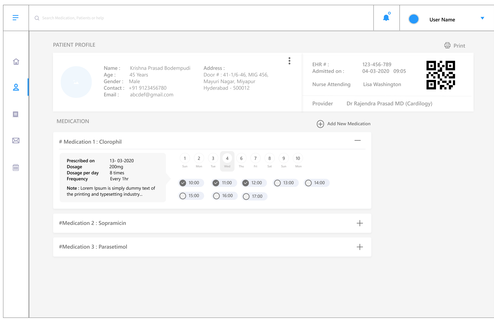


WIREFRAMES

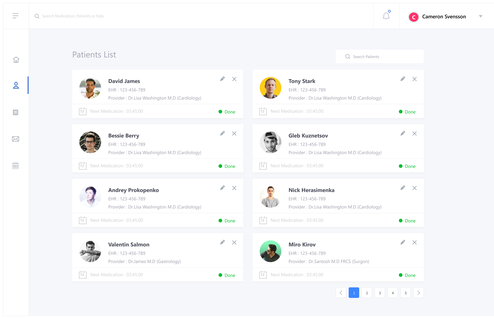
Patients List

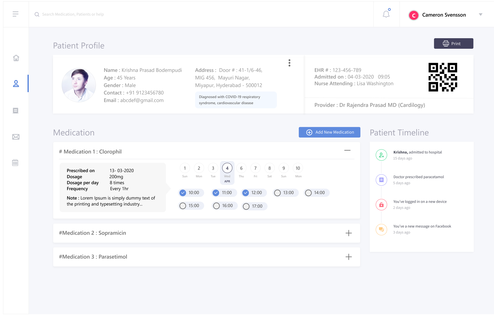


Patient profile



VISUAL DESIGN





Assumptions

1. Assumed that login and onboarding of patient / doctors / nurses is done.
2. Assumed that medication is taken for only the inhouse patients not for OP patients

THANK YOU