Error-Proofing
Medication Management
In a Clinical Setup

illuminate.health

Client Business Description

Illuminate Health Inc. an Indianapolis, Indiana based company offering mobile application and platform for Medication Management to be leveraged by physicians, & patients.

Challenge

◇ Data shows that there is a 45 percent risk of error across all medication management processes. The processes range from prescribing, procurement to administering them to patients.

◇ Because older adults must manage a range of chronic illnesses with medications, it is important to ensure that each medication is taken appropriately and as prescribed.

Idea

◇ Develop a software product for facilitating Medication Management that should help Patients/Caregiver to remind them of their scheduled medicines.

◇ The solution should empower the clinicians and patients with tools for:
  ○ Communication amongst Doctor/Patient/Caregiver.
  ○ Checking the prescribed drug reactions, medicine reminder.
  ○ Managing current medicines.
  ○ Checking the drugs details of added medicine and showing their usage, warnings and precautions which are sufficiently complete to educate the system user.
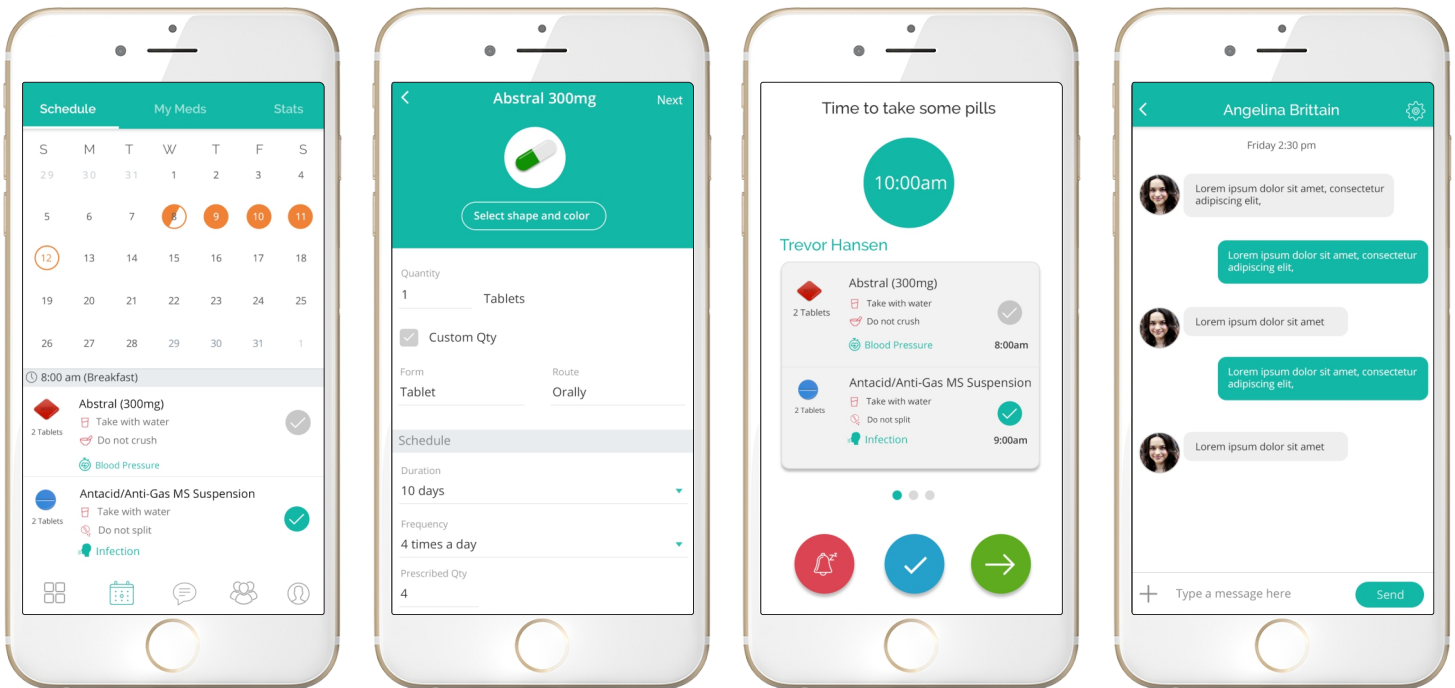
Our Solution

Mobile Pundits team developed a HIPAA Compliant solution in iOS, Android and Web with an enterprise backend based on Open EMR running on AWS, to handle Patients/Caregivers requirements of reminding them of medicine schedule and communicate with other users like Doctors, care giver, other patients within the hospital system.

◇ Illuminate Health considered the following features such as
- ○ Communication between Doctor/Patient/Caregiver through messaging.
- ○ Managing prescriptions, Setting up medicine reminders.
- ○ Checking the drug-2-drug interactions.
- ○ Checking the therapeutic details of prescribed medicines and showing their usage warnings and precautions.

◇ The product supported multiple users like Patients, Caregivers, and Doctors with respective functional variations according to the use case.

Technologies Used
- Swift/Xcode
- Android/Java
- Open EMR/PHP
- Rocket.Chat/NodeJS/Meteor For HIPAA Chat
- AWS RDS

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