Document name: Release Plan

Product name: Woo

Team name: Woo Team

**High level goals:**

Woo is a mobile application that builds a platform between patients and hospital, simplifying the tedious process for patients and reducing the workload for medical staff.

On the **patients’ end**, we provide:

1. User profile system for patients
2. Online appointment scheduling and reminder system
3. Digital medical-record
4. Digital prescription (read only)
5. Medication reminder and health tracker

On the **medical staff end (receptionists, nurses and doctors)**, we provide:

Permission level: P1:receptionists < P2:nurses < P3:doctors

1. User profile system for medical staff (P1, P2, P3)
2. Online appointment checking and scheduling system (P1)
3. Medical record management system (P2, P3)
4. Online prescription system (P3)

**User stories for release:**

* **Sprint 1**
  + **As a developer, I want to be familiar with the frameworks I choose so that I know what I have to work with when writing new features.**
    - Estimated story points: 2(some members already have experience, others not)
  + **As a product owner, I want to have a flow diagram for our app so that I know how to assign different work to different members**
    - Estimated story points: 4
  + **As a developer, I want to take some time to learn React Native**
    - Estimated story points: 5
  + **As a developer, I want to make a database schema so that it is easier to store my data.**
    - Estimated story points: 5
  + **As a developer, I want to set up/use git best practices so it is not difficult to add changes or review bug history.**
    - Estimated story points: 2
* **Sprint 2** 
  + **As a user, I want to have my own profile**
    - Estimated story points: 4
  + **As a developer, I want to use database to record patient’s appointment request and hospital’s schedule**
    - Estimated story points: 5
  + **As a patient, I want to be able to schedule my appointments** 
    - Estimated story points: 7
  + **As a receptionist, I want to be able to see patient’s basic information and appointment request so that I can help him/her to schedule.**
    - Estimated story points: 7
  + **As a patient, I want to be able to check in automatically and easily.** 
    - Estimated story points: 6
  + **As a developer, I want to write to have unit/integration tests so that my code changes do not break functionality**
    - Estimated story points: 8
  + **As a user, I want to be able to rearrange my appointments so I can be flexible**
    - Estimated story points: 5
  + **As a user, I want to have an easy to use UI so that navigating the app is easy**
    - Estimated story points: 6
* **Sprint 3**
  + **As a developer, I want to use database to record patient’s medical records and prescription history**
    - Estimated story points: 10
  + **As a patient, I want to be able to check my medical records for my own personal use.**
    - Estimated story points: 7
  + **As a doctor, I want to be able to check the patient’s medical records so that I can know if there is any information that is valuable.**
    - Estimated story points: 7
  + **As a doctor, I want to be able to write the patient’s medical records so that the patient’s medical records can be updated officially by a doctor.**
    - Estimated story points: 7
  + **As a doctor, I want to be able to write the prescriptions so that patients can have the prescriptions list.**
    - Estimated story points: 7
  + **As a user, I want to be able to see my prescription list so that I can pick them up at a pharmacy.**
    - Estimated story points: 7
* **Sprint 4**
  + **As a user, I want a way to give myself medical reminders so I can remember my needs.**
    - Estimated story points: 6
  + **As a developer, I want to set a permission system for medical staff so that users’ privacy can be protected**
    - Estimated story points: 8
  + **As a developer, I want a uniform design.**
    - Estimated story points: 5

**Product backlog:**

* As a doctor, I would like some professional tool like IHD(Intracranial Hemorrhage Detection) by neural network so that the accuracy of my judgement can be increased.
* As a user I would like to communicate with my doctor via messaging/video chat.