

HEALTH IN HANDS



OUR TEAM:

- Siddhant Singhal
- Kamala Nayana Uppalapati
- Reshma Konepalli
- Ramya Nimmagadda
- Mohit Ramani



Problem

- Missing medical records
- Small clinics/hospitals do not maintain patient's records
- Wait time in the hospitals/clinics for consultation
- Difficulty in finding the best suited doctor
- We go through some of the tests that we do not need only because of missing reports



Solution

- An application/service that will help us to record our medical reports
- An application that will help in searching the best suited doctor for our problem
- An application that will give us information on the nearest diagnostic centers
- An application that will help us in scheduling an appointment with ease



Stakeholders



- Diagnostic Centers
- Doctors
- Patients

Who are the sponsors?



Indian Medical Association is the only representative voluntary organization of doctors of modern scientific system of medicine which looks after the interest of doctors as well as the well being of the community at large

Who are the users?

- People who want to maintain their health records electronically
- Doctors and Health organizations who want to reach out patients online



Problem-1

Record keeping of medical history

- Solution: The records are available on the application which can be accessed with there “Health in Hands” account (connecting application to a database on cloud).
- Also, hard copy of any medical record can be retrieved by the user with access level.
- Easy access to Diagnostic center for uploading the reports for the patients.



Problem-2

Time wastage in waiting area to see doctor, failure in appointment scheduling and real-time tracking of appointment status.

- Solution: Application functionality for
- Doctor: can manage the appointment calendar.
- Patient: can book an appointment and review the status of appointment in real time.



Problem-3

Solution Summary

Patient:

- Might reduce the count of Medical tests to go through with.
- Record keeping.
- Appointment Scheduling.

Doctor:

- Easy access to records, which expedite the prescribing process.

Diagnostic Center:

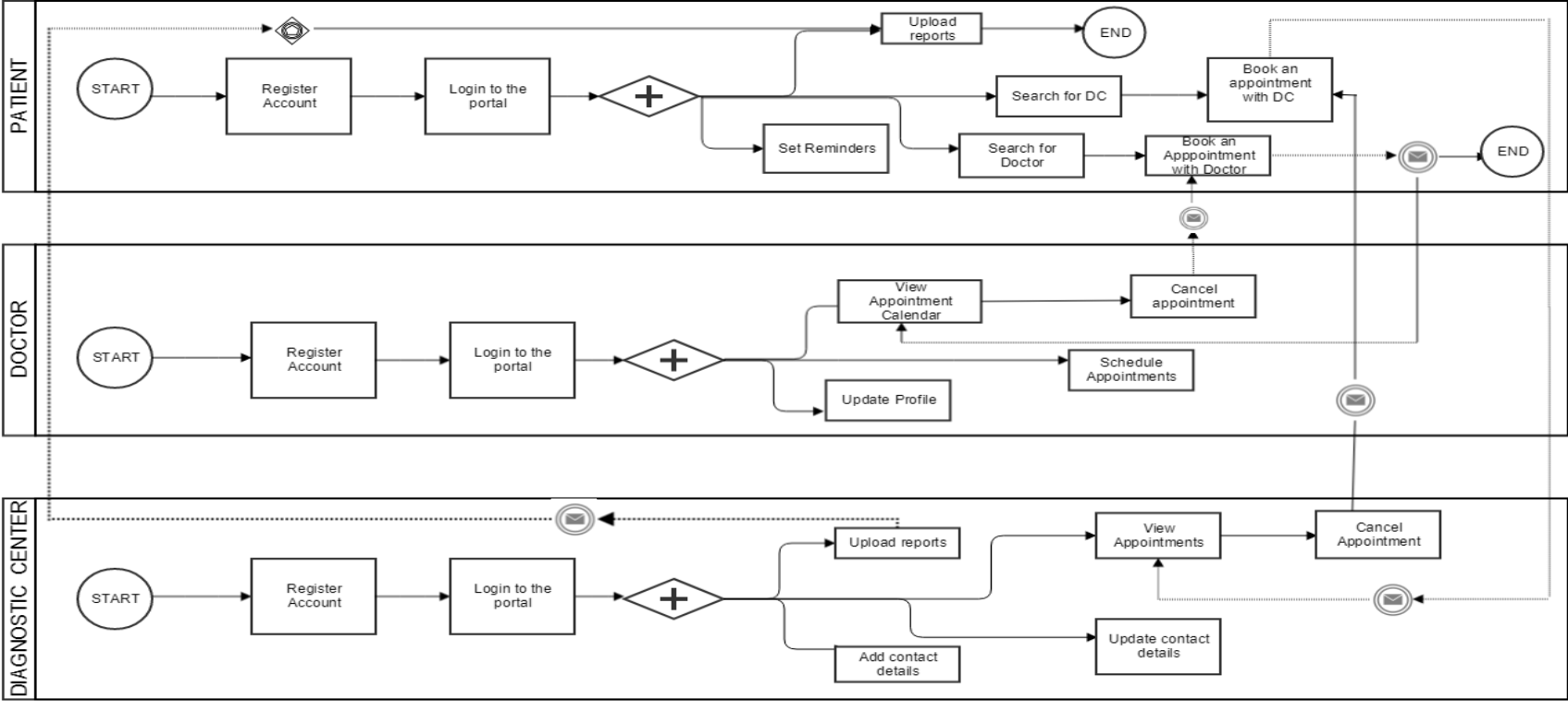
- Less tests to be performed for the same patient based on previous medical reports



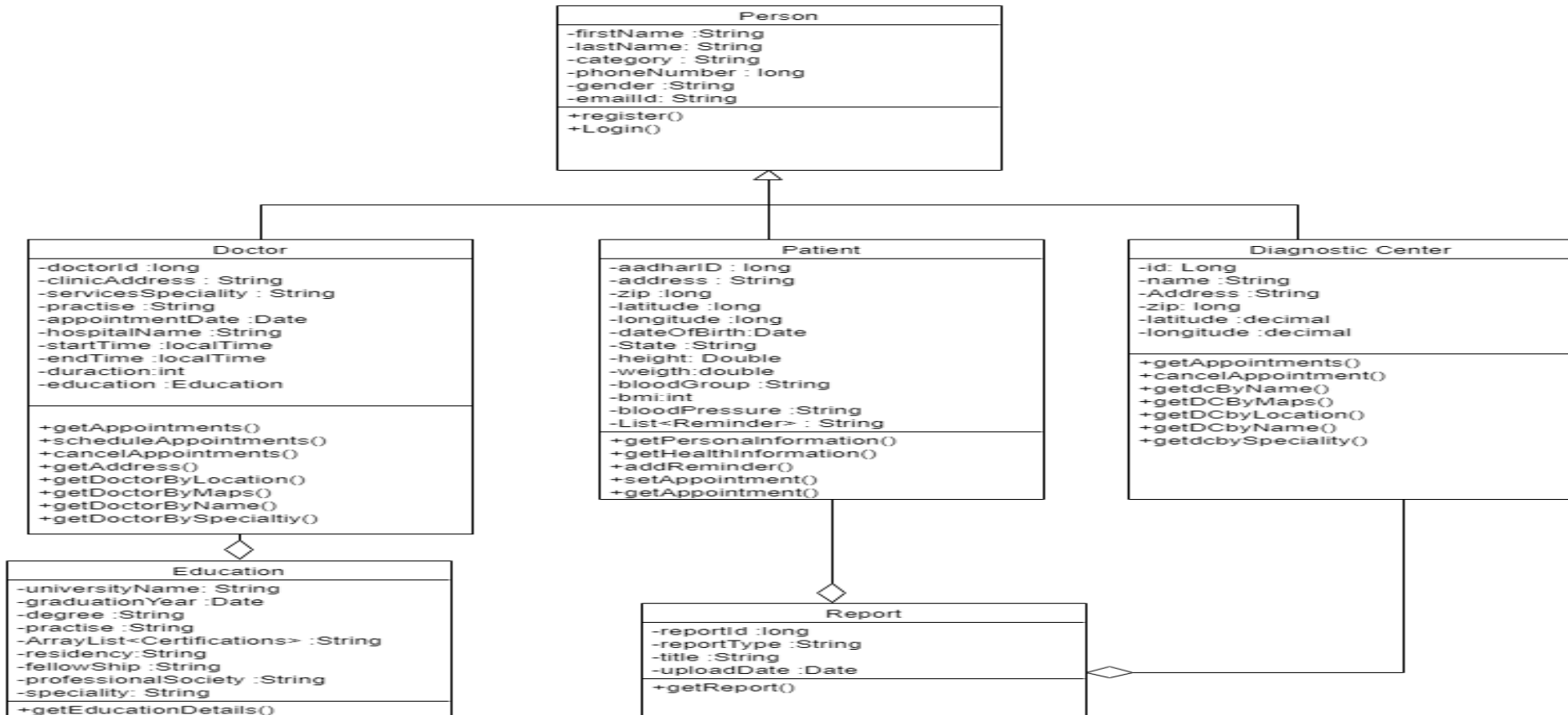
Use-case Diagram



Business Process Flow Diagram



Class Diagram



Future Scope

- Health in Hands application can be extended to other countries
- This application can also be extended to android users
- Patient would be able to view what medicines are available in a particular pharmacy and order them online
- Patient would be able to share reports with doctor if required
- Patient would be able to setup a video call with doctor



Technology Stack Used

Mobile Application (IOS)

- Programming languages – Objective C, Swift
- Web Technologies- HTML, CSS, javascript
- Development environment – AppCode, XCode
- UI Development- JustInMind
- Backend Servers- Verivo



Technology Stack Used

Web Application

- Programming languages – Java
- Framework – Spring MVC, Hibernate
- Web Technologies- HTML, CSS, javascript
- Database - MySQL
- Development environment – Spring tool suite
- UI Development- JustInMind
- Backend Servers- Apache Tomcat

