

TreatWell

Members:

- 1) Utkarsh Kumar Mahawar – 150050036
- 2) Swagat Shankar Yadawad – 150050076
- 3) Dinesh Rathod – 150050079
- 4) Bittu Kumar - 150050096

Goals:

The goal of this project is to bring a platform for patients and hospitals to make appointments for treatment faster, easier and more comfortable. We also wish to help organise hospital and doctor data in such a way that user (patient) can make an informed choice.

Users:

- 1) Patients, who wish to take an appointment with doctors pertaining to their health concern.
- 2) Hospitals who act as media between patients and doctors.
- 3) Doctors who help the patients recover from their problem. (Partial role wrt the project)

Functionalities:

Users:

- 1) User can register with valid details to the app so as access the features.
- 2) Search hospitals and doctors with particular doctor speciality, sorted by various factors like distance, fees and many such features.
- 3) Appointments are booked and respective amount will be deducted from the balance of the user's account.
- 4) User can see and edit personal details and add virtual money in the wallet.
- 4) User can receive notifications from hospitals regarding some emergency or some information. (only in webpage)
- 5) Users can rate the hospitals and doctors and provide feedback (if time permits)
- 6) Alerts for blood requirement from hospital and emergency Button in the app (if time permits)

Hospitals:

- 1) Hospitals also register themselves to the system.
- 2) Hospitals add doctors to their list linking them to slots during which the doctor is available in that hospital.
- 3) Hospital can send notifications to users.
- 4) Hospitals can also rate users and give feedback (if time permits)

System Architecture:

Frontend:

- 1) Android app (mostly for users):
 - Used Android Studio v3.0.1, coded in Java
 - Gradle v3.0.1
- 2) Website (mostly for hospitals, some user features also implemented)
 - Used basic HTML, CSS, JavaScript and PHP v7.0.24

Backend:

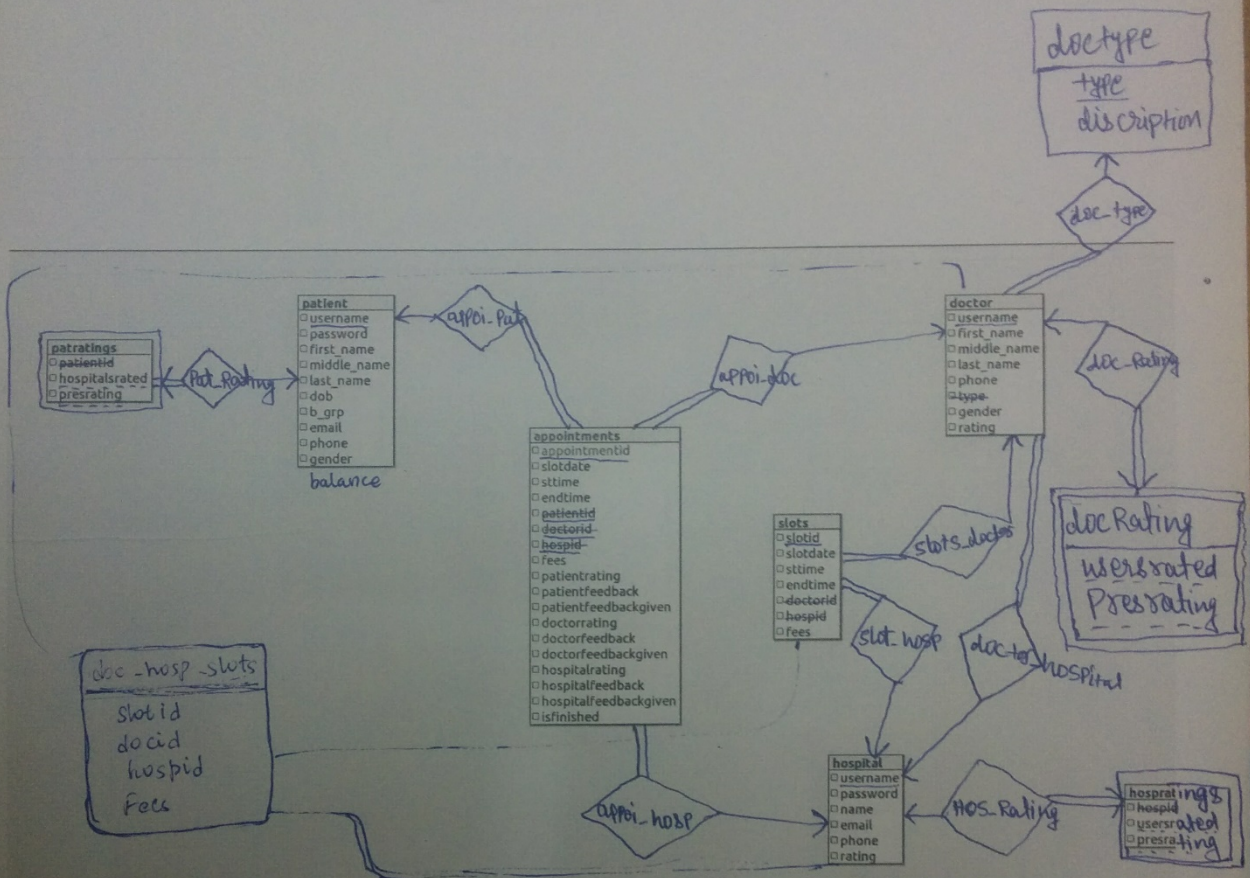
Used PHP for the backend for Android

Developers:

- 1) Utkarsh -> Android frontend
- 2) Swagat -> Android backend and website
- 3) Dinesh -> Android backend and website
- 4) Bittu -> Android frontend

Future Scope of the project:

- 1) Improvement in UI of the frontend app and website
- 2) Implementing more features like instant notifications for app, and real time location based distance optimisation, etc.
- 3) Authentic user validation based on mobile phone OTPs, email confirmations and valid document validation.
- 4) User medical history, online prescriptions, regular check-up alerts for some patients, etc.



patientID, doctorid and hospid refer to username of Patient, doctor, and hospital tables respectively.

notifications
hospid
patientid
message
seen