

HEALTHCARE PLATFORM : HEALTHY BUFFS

Team Members: Payoj Jain, Rahul Chowdhury, Ganesh Chandra Satish

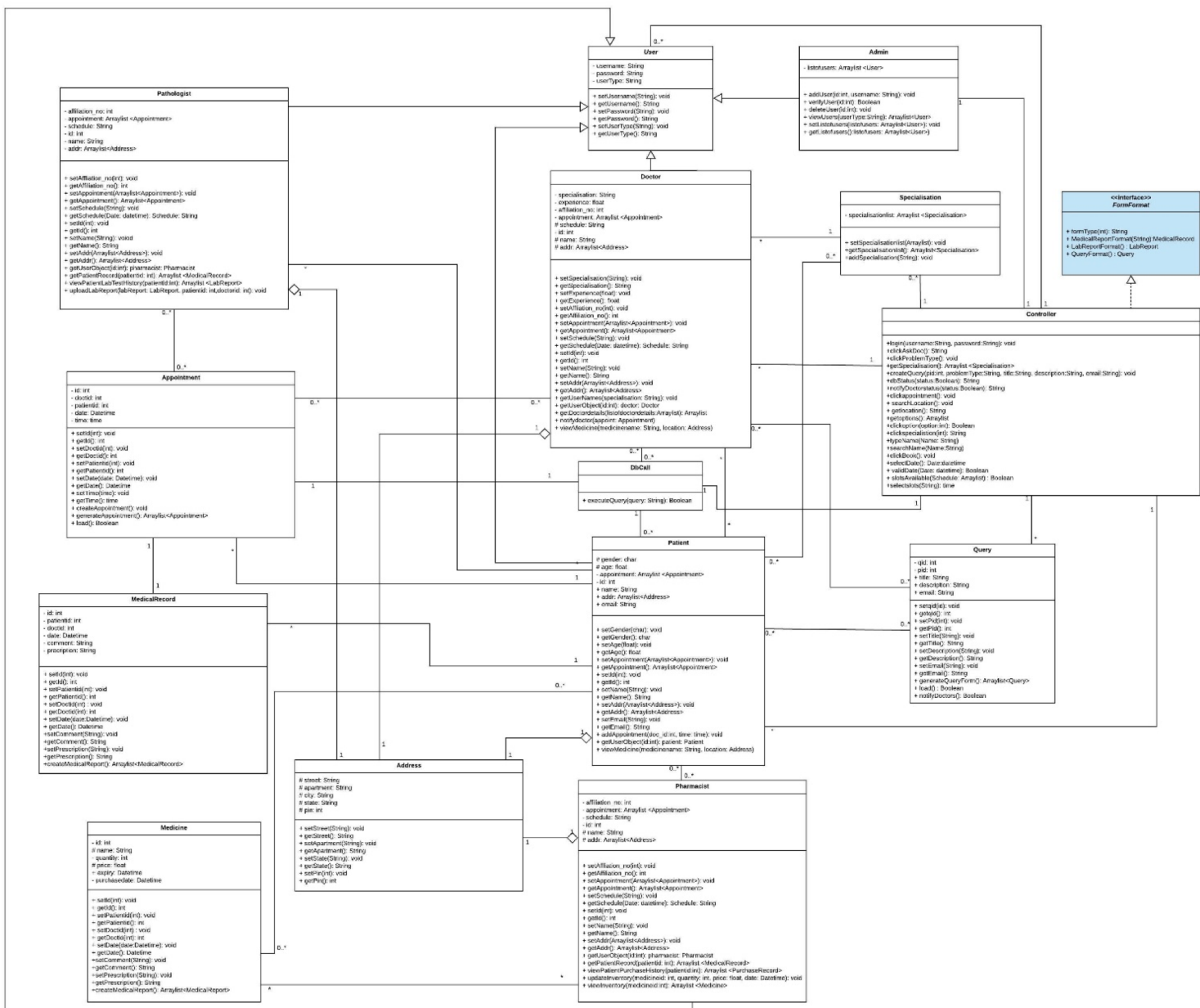
Team Number: 33

Title of the Project: HealthyBuffs

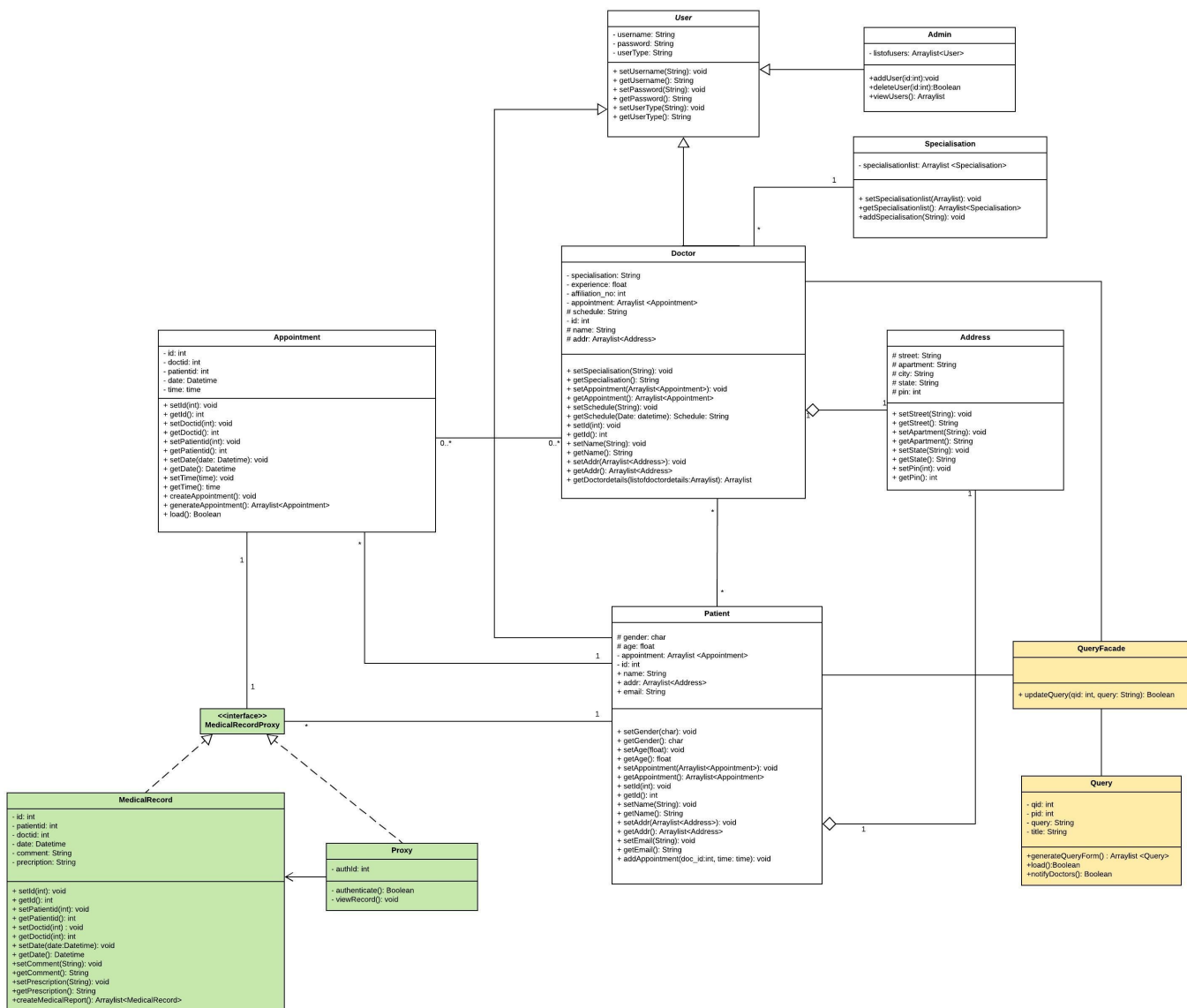
Vision: We are building a platform for CU members to search for doctors, pharmacies, pathologies etc. easily. This product helps people to book appointment instantly and look for medicine availability in nearby pharmacies. People can also consult doctors online anonymously by asking over the platform and get experts' answers.

Project Summary: HealthyBuffs is a healthcare management platform exclusively for students, faculties and other members of CU Boulder where people can locate doctors, pharmacists, pathologists, consultants and book appointments. This platform can also be used for looking up medicines availability in pharmacies. The portal also manages medical records/history of each patient so that it is easier for doctors to make their diagnosis and pharmacists can suggest medicines to patients.

Previous Class Diagram:



Completed Class Diagram:



Summary:

- Corrected the class diagram to include suggested changes.
- We have implemented following classes in Java
 - Query, Admin
- Implemented Design Patterns
- Created Completed class diagram for the implemented classes

Breakdown:

Rahul Chowdhury: Implemented class Query, Appointment

Ganesh Chandra Satish: Documentation, Implemented class Admin

Payoj Jain: Implemented Proxy Design Pattern and Facade Design Pattern

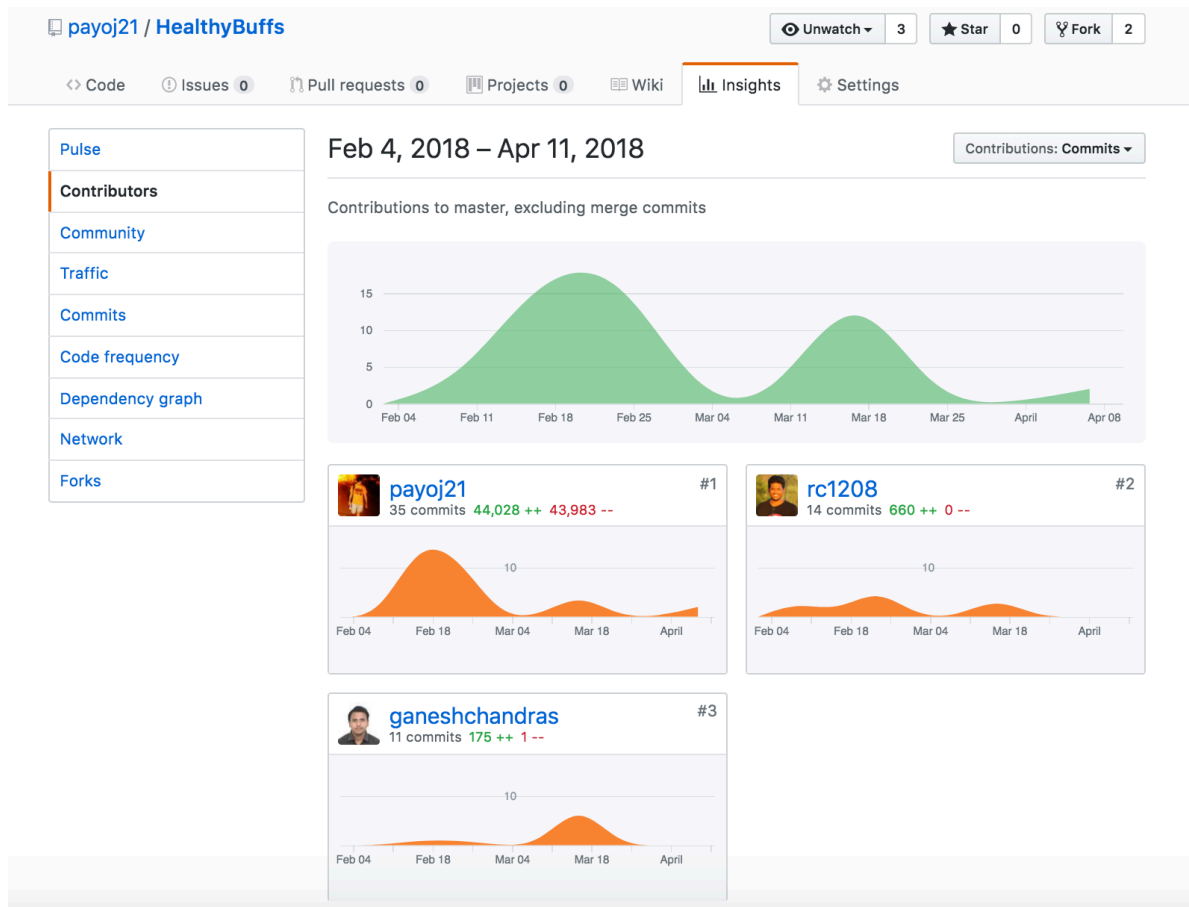
Estimate Remaining Effort:

Estimated Hours Remaining:

Implementation of classes and design pattern: 10 hours

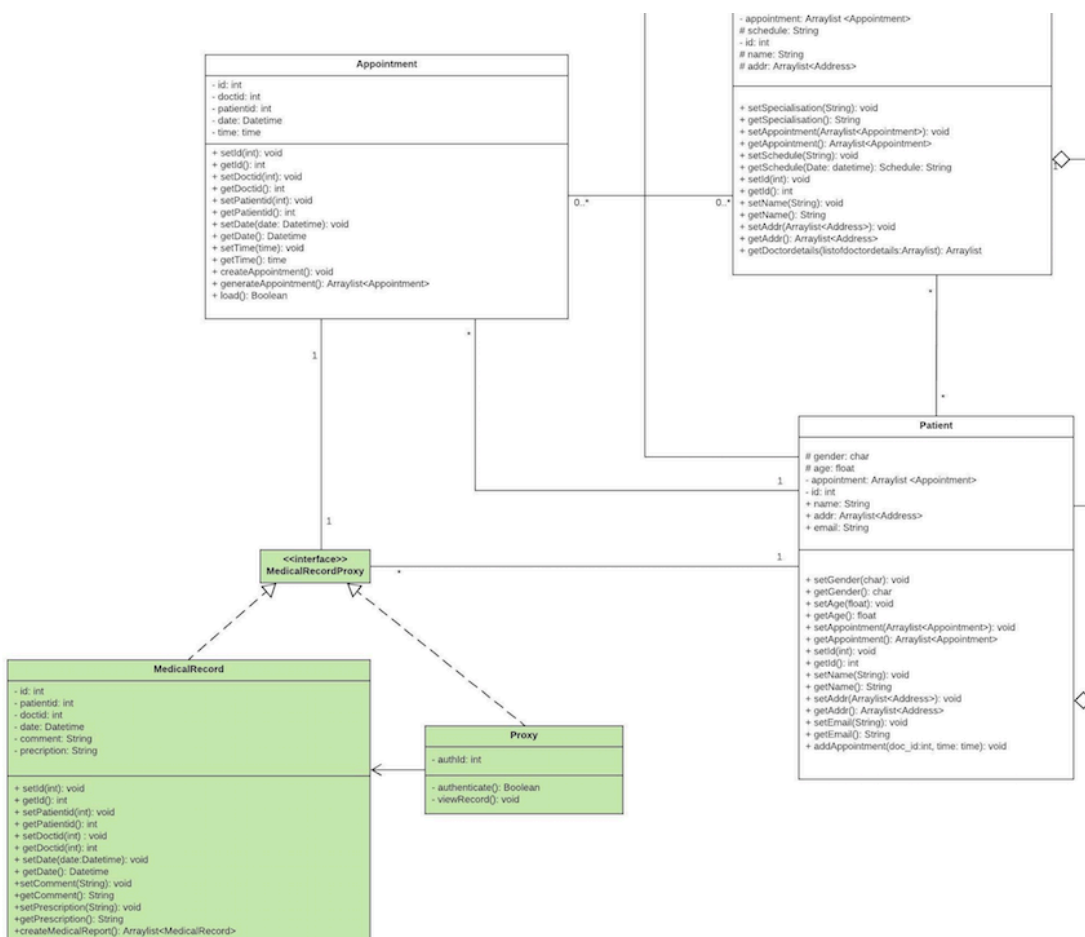
UI: 15 hours

Github Graph:

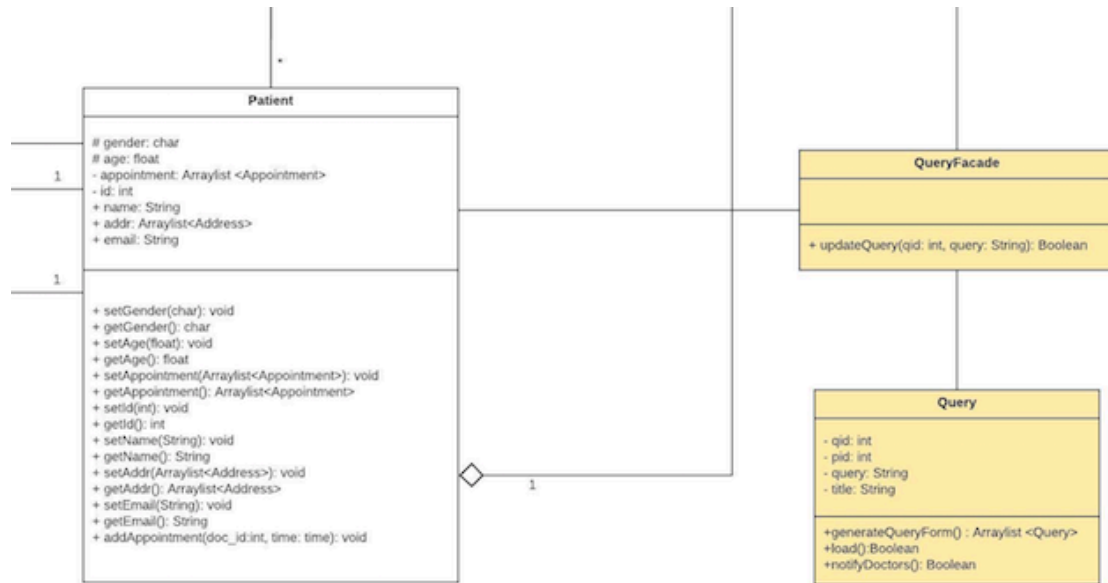


Design Pattern

Proxy Design Pattern:



Facade Design Pattern:



Next Iteration:

We are planning to implement the rest of the classes with as much functionality as possible. Also, we will be testing out current code on some sample users and try to fix bugs.

We have already setup the important and necessary steps required in the implementation.

A. Implementation of the Following classes:

1. Pharmacists
2. Pathologist
3. Medicine

B. User Interface

C. Unit testing