

ImTutor Proposal

CMPS121

Group member: Zhaoheng Chen, Jinglun Cheng, Howard Ng

Name of the app & the the problems that our app solves:

The name of our application is ImTutor. Our general idea is to build an academic platform for students to find success in their class, the app that can be helpful for any student in any major.

ImTutor extends the group of tutors, which means that all of the students who have taken this class before or have specific skills can also give their help. Because of the advantage of mobile phone, users can easily upload their notes and ask or answer at any time without the limit of computer. It not only improves the efficiency of study, but also reduces the workload of TAs and professors.

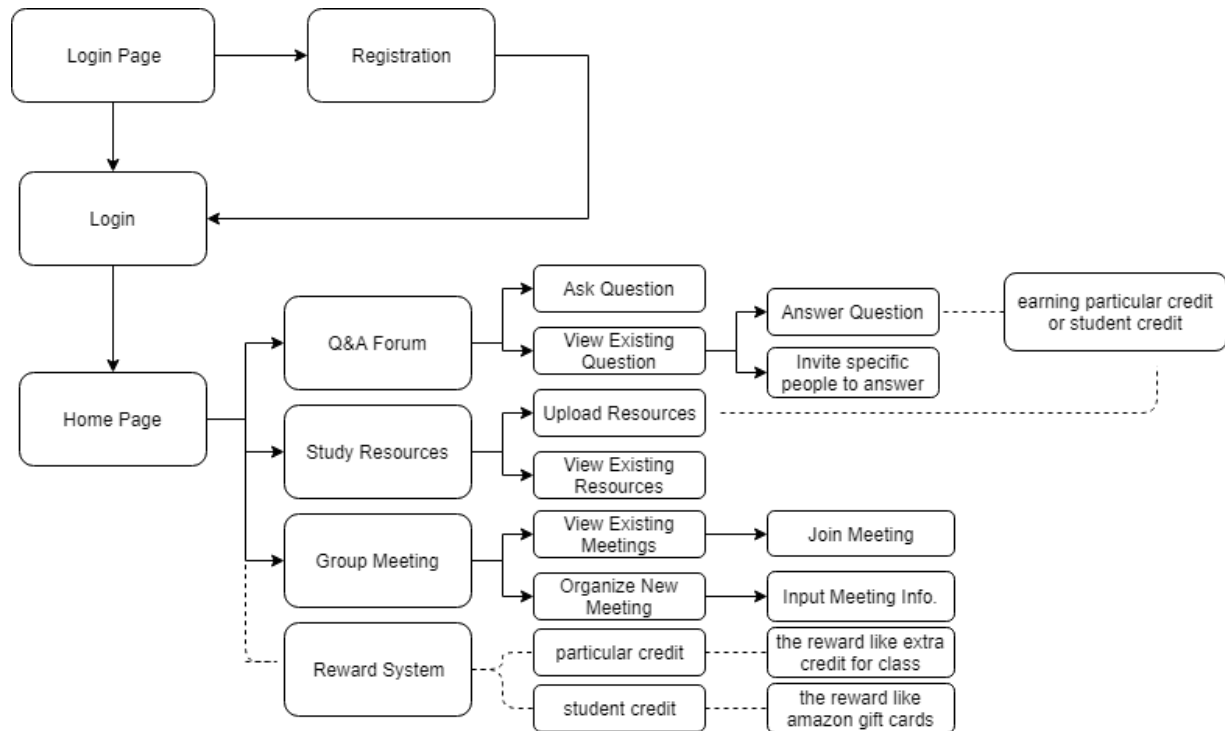
In addition, ImTutor also has a reward system to encourage more and more students to help each others, which means that the students who have answered questions correctly can earn the particular credits. And, by the end of a quarter, the system will automatically list some students who contribute most to this class depending on the particular credits they earned. So, professors can offer some extra credit or somehow to encourage more students to help each other. And, for those people who are not in the class currently but answer question correctly, they can still earn the general credits which can be used to win the gifts like amazon gift cards as the reward of helping others.

Another key factor is that ImTutor app has the ability to organize group meetings. The group project meeting for science major students, the field study plan for non-science major students, and even the review meeting for final or midterm exams can all be scheduled via ImTutor. Users just need to choose the time, class, topic, and the number of people they want to study with to schedule a meeting. It can be either online or offline meeting. Users can also join the existing meeting or invite the specific student to join the group meeting. As the purpose of ImTutor, this app is open and helpful for any majors.

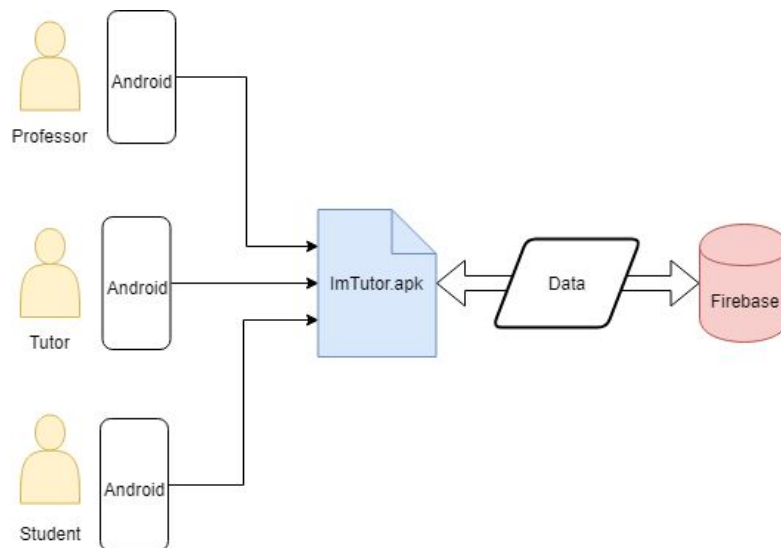
Main Feature:

1. Q&A forums with the help of students who have taken this class before
2. Post notes and study resources
3. Reward system to encourage students to help each other
4. Organize online and offline meetings

Process Flow of our app:



High level technical architecture:



Libraries or tools:

1. Android Studio
2. Firebase
3. Google API