**Overview**

**Application Description**

DTutor is a specialty smartphone app designed **by** students **for** students. Our primary goal in creating this application is to help students of all disciplines get the help they need, set/monitor goals, connect with peers, and explore the vast educational resources that Dartmouth College has to offer.

**Project Scope**

Due to the limited time left in the course, we intend to specfically address the following application components/features:

* DTutor profile
  + Fill out Dartmouth's Tutor/Tutee application.
  + Define contact info for meeting with tutors/tutees or other students for a study group.
* Connect with students to form study groups
* Tutor browser
  + Request to be tutored by a tutor you know
  + Get matched with a tutor by us
* Reserve a space for your study group
* Set and monitor goals // Should talk about this point
  + Additionally, share goals with family, friends, coaches, professors, advisors, etc.
* Learn about Dartmouth educational resources
  + Connect with Tutor Clearninghouse staff
  + Schedule academic advising
  + ...
* ...

**User Interface**

**Main Activity**

**Login Fragment**

* **Three options :**

1. **Tutor**
2. **Tutee**
3. **Login/Sign up**

* **The first two options are used for one time users.**
* **Login request user name and password.**
* **Sign up allows you to create an account**

**Search Fragment**

* **Different views depending on if the user is a tutor or a tutee**
* **If user is a TUTEE**

1. **Choose department and course**
2. **Based on choices, list view is populated with the available tutors.**
3. **Each list view has the picture of the tutor, name and a short description.**
   1. **Upon choosing the tutor, the tutee will be shown a calendar with the available dates of the tutor as well their own dates. The common dates will be highlighted in a different shade than the tutor’s available dates.**
   2. **The tutee can choose any dates available or opt to request a different date, which will result in an empty calendar that he can edit as required.**
4. **If the tutee has no tutor preferences, he/she can put up a request for a tutor for that subject**

* **If user is a TUTOR**

1. **The list of personal requests for that Tutor will be shown**
   1. **When the tutor clicks on a particular tutee, he will see the details and be given an option to schedule or decline.**
   2. **If the tutor decides to schedule, a calendar will show up with available times that work for both parties.**
2. **The list of tutee classifieds will also be made visible if required.**

**Profile Fragment**

* **If user is a TUTEE**

1. **The tutee’s name, and a list of his preferred tutors.**
2. **Availability calendar.**
3. **Biliing history**

* **If user is a TUTOR**

1. **Availability calendar**
   1. **Base availability**
   2. **Weekly**
2. **Name, course tutored.**
3. **Degree level**

**Database Implementation**

**Relevant Data Structures**

**Database Schema**

**Service Implementation**

**Service 1**

**Service 2**