

# DTutor Design Document

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## **Contents**

<b>1 Overview</b>	<b>3</b>
1.1 Application Description . . . . .	3
1.2 Project Scope . . . . .	3
<b>2 User Interface</b>	<b>4</b>
2.1 Main Activity . . . . .	4
2.1.1 Home Fragment . . . . .	4
2.1.2 Connect Fragment . . . . .	4
2.1.3 Profile Fragment . . . . .	4
<b>3 Database Implementation</b>	<b>4</b>
3.1 Relevant Data Structures . . . . .	4
3.2 Database Schema . . . . .	4
<b>4 Service Implementation</b>	<b>4</b>
4.1 Service 1 . . . . .	4
4.2 Service 2 . . . . .	4

# 1 Overview

## 1.1 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.

## 1.2 Project Scope

Due to the limited time left in the course, we intend to specifically 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
  - Additionally, share goals with family, friends, coaches, professors, advisors, etc.
- Learn about Dartmouth educational resources
  - Connect with Tutor Clearinghouse staff
  - Schedule academic advising
  - ...
- ...

## **2 User Interface**

### **2.1 Main Activity**

#### **2.1.1 Home Fragment**

#### **2.1.2 Connect Fragment**

#### **2.1.3 Profile Fragment**

## **3 Database Implementation**

### **3.1 Relevant Data Structures**

### **3.2 Database Schema**

## **4 Service Implementation**

### **4.1 Service 1**

### **4.2 Service 2**