

# CS 242 Final Project Proposal

**You Shall Go To the Library**  
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## 1. Abstract

- **Project Purpose**

The purpose of the project is to give user a motivation to go to the library to study.

- **Background/Motivation**

Humans are lazy beings. We students are too lazy to move out of our sweet apartment to libraries to study. Although we can setup a reminder to go to the library but quite often we will simply mute the alarm clock. Our project provides a solution to the problem as it will punish the user not to go to the library to study by posting something shameful on the user's social network account.

## 2. Technical Specifications

- **Platform:** Android
- **Programming Languages:** Java
- **Stylistic Conventions:** Google Style Guide for Java
- **SDK:** Android **SDIDE:** IntelliJ
- **Tools/Interfaces:** Android Phone
- **Target Audience:** U of I Students

## 3. Functional Specifications

- **Features**

User can sign up for a study session in the app. Once the session is set up it cannot be changed.

Multiple study sessions are allowed at the same time. The user can also set up a recurring study session.

At the time of the study session, the user must be around one of the U of I library. Otherwise a 'punishment' message will be post to the user's social network account. (Probably Facebook)

Example of the 'punishment' messages: "I love Justin Bieber"; "To anyone reply to the post, I owe you 5 dollar"; "I just kicked a five-year-old"; "Don't trust me. I'm a liar."

By attending ten study sessions, the user will get a quota. The user can hold at most two quotas. Canceling a study session will cost one quota.

- **Scope of project**

Only U of I students can use the app. Only Android users can use the App. Only Facebook users (or whatever social network we choose later) can use the app

#### 4. **Timeline:**

- **Week 1**

Build the component allowing the user to sign up for a study session and schedule an empty alarm.

- **Week 2**

Install a handler for the alarm. The handler will check the position of the Android phone by requesting geo data.

- **Week 3**

Build the component allowing the user to connect the app to their social network account. Also, add the posting component to the alarm.

- **Week 4**

Modify the app to add a few other features including making the app looks good and allowing recurring study sessions.

#### 5. **Future Enhancements**

What are some cool tweaks you'd want to make to your product after the core functionality is done? Are you planning to work on it in the future?