

README for Spring 2015 CS 408 Project - StudyBuddy

Overview:

It is often difficult for students to form study groups with fellow classmates because of busy schedules or due to the lack of contact information. StudyBuddy helps find nearby classmates that may be able meet up and help a student with their coursework or a particular problem. To request help you create a "help request". Students enrolled in the course that the help request was made for, and who are within a certain distance from where the request was made, will receive a push notification that someone is requesting help. They can choose to accept the help request and direct message the person in need of help, to discuss the problem or determine a location to meet.

How to run StudyBuddy:

On a physical Android device:

1. Take the application's apk file and put it on the device
2. Navigate to the apk file and select it
3. Install the application
4. Select it from your list of applications once it is installed, if it does not automatically start. (Grey icon with an S and a B on it)

Using an emulator:

1. Download android sdk (<http://developer.android.com/sdk/index.html>)
2. Open the sdk/tools directory and run 'android.bat' to run the sdk manager
3. Download 'SDK Tools', and 'ARM EABI v7a System Image' under API 20
4. Open the Tools menu and choose 'Manage AVDS...'
5. Choose a device (preferably a phone size), make the target 'Android 5.0.1 - API Level 21', make the CPU 'ARM (armeabi-v7a)', RAM to 1024, VM Heap to 32. The snapshot option can be used to start up the emulator faster in later uses.
6. Start the emulator
7. Copy the .apk file to the sdk/platform-tools folder
8. Open a terminal window in the sdk/platform-tools folder
9. Type 'adb install fileName.apk' and wait for it to complete
 - a. If there are any errors, you can type 'adb devices' to see if it is connected
10. Go sdk/tools and run ddms.bat to open the Android Device Monitor
11. Choose the emulator from the device list on the left
12. Open the 'Emulator Control' tab and scroll down to Location Controls.
13. Choose 'Manual' for the control, pick a latitude and longitude, and hit send

Instructions for using StudyBuddy:

Creating an account and logging in:

- To first start using StudyBuddy, you must create an account. When the app opens, you will have the option to create an account. If you already have an account you can simply login. Your credentials will be remembered and you will be logged in automatically after entering them once.
- You navigate the application using the drawer navigation item. This can be displayed by selecting the three line button in the top left corner of your screen, or swiping from the far left side of the screen.

Navigating:

- There are several options that you can choose from the navigation drawer. They include: Classes, My Group, Messages, Settings.

Adding Classes:

- The Classes page displays active help requests for classes that you are enrolled in. You can add classes by going to the Settings view and pressing the button titled "Edit Classes". You then start typing the number of the course you would like to add, and select the course by tapping it.
- Classes can also be removed by hitting "Edit" and tapping the red minus sign.

Viewing active help requests:

- You can view active help requests for courses you are enrolled in by navigating to the "Classes" page. To view help requests for a specific course, select the course from the list. If you do not see any courses listed, you are not enrolled in any courses.

Creating a new help request:

- To create a new help request, select the "+" button on the top right corner of the request list screen for a specific class.
- Enter information about the help request. All fields must be filled.
 - The duration of the request specifies how long the request will be active for. Once the duration runs out, the request is deleted. (See: messaging)
- Press "Create" button.

Responding to a help request:

- To respond to a help request, select the request from the class's request list.
- You can then accept the request by

- A) Joining the study group as someone who also needs help
- B) Joining the study group as someone who can help, i.e. a “helper”

View information about current study group:

- To view information about the study group you are currently in (current help request you created or the help request you responded to) you can select the “My Group” option from the navigation drawer.

Messaging current study group:

- Open the navigation drawer and select the “Messaging” option. To start typing a message, select the text box at the bottom of the screen. Press “Send” to send the message. Messages will be sent to anyone who is in the same study group as you are.
- If the time remaining for the request’s duration is less than 30 minutes, and a message is sent within the study group, the timer is reset to 30 minutes. This is done to ensure an active group is not deleted.