

Milestone 2 - Project Plan

Project Features List:

- **Course Selector** - Study Buddy will come with a database of all of the classes offered at CU, and allow you to add all of the courses you are currently enrolled in.
- **Study Activity** - Study Buddy will also come with the ability to change your status to “actively studying” as well as a descriptor for what assignments you are studying for, like a test, homework, or lab. Logs of study sessions will be kept automatically after a study session has ended.
- **Location Selector** - Study Buddy will also come with a database of virtually every open study area on the CU campus, and will allow you to check in to a location where you are studying, where you will then be able to set your Study Activity for what you are studying for.
- **Study Map** - Study Buddy will also come equipped with a map that will show who is studying where. The map will be able to filter certain subjects, like if you only want to see the map for people who are studying calculus, or chemistry. The map will not show exact locations of users for safety reasons, but will show a count of how many people are studying that subject in a given study location.
- **Study Profile** - Study Buddy will save your class load to your Study Buddy account. The profile will store all key information about the user such as grade, major, email, etc. There will not be a messaging interface on the app, so having the users email on the profile will be the primary method of communication.
- **Study Groups** - Study Buddy will also allow for the creation of Study Groups. These groups will group profiles together and will allow people to check in to a study area as a group. Group study logs will be kept automatically when a group checks in to a study location.
- **Study Planner** - Study Planner will allow groups or individuals to post where they plan on studying later that day. For example, you could post that you plan on studying Computer Systems in the Engineering Center from 7:30-9pm.

Functional Requirements:

- **Course Selector** - The course selector must add a class from a class database, and add it to a table with the users classes. There also must be an option to remove a class from their course list, and consequently removing the class from the user classes table.
- **Study Activity** - The study activity must update to 'actively studying' once the user has checked in to a study location, as well as revert to 'not studying' once the user has concluded their studying.
- **Location Selector** - The location selector must take a location from the location database set this location as the users study location. This also must increment the counter that displays how many people are studying at this location.
- **Study Map** - The study map must show illustrations on a map of where the study locations are, as well as be able to show the amount of people studying at a location if the user clicks on a location.
- **Study Profile** - The study profile must be able to hold key information about the user, as well as maintain a username and password, stored in a database. The users study profile will be used to interact with friends for studying, or creating study groups. The study profile is also the account that the course list and study logs will be associated with.
- **Study Groups** - The study groups feature must be able to link multiple user accounts and associate them into a group. When a group checks into a study location, it must update all of the members of the groups studying status, as well as increment the study location counter accordingly.
- **Study Planner** - The study planner must be able to store future study events, and increment the users study status and location check in once the event time occurs. This must be accessible for both individual studiers, as well as study groups.

Non-Functional Requirements:

- **Course Selector** - The database for every class at CU must be easy to access and scalable for large quantities of classes. The database must be able to update the pool of possible classes at least once a semester.
- **Study Activity** - The users study activity needs to be active during any study session, and inactive whenever the user is not studying. This status has to be updated immediately upon a study session starting and ending.

- **Location Selector** - The database containing all of the possible study locations must be designed so that each location has a column for how many people are studying there, as well as the user id's of all of the users studying at that location. This must be updated immediately upon any study check in, and the study location table must be updated whenever a new location is added.
- **Study Map** - The study map must be capable of displaying the number of people studying at any location at any time. This number must be a real time number based on the number of people who are actively checked in at a location.
- **Study Profile** - The study profile must have a unique username and password, which will both be stored as primary keys in our database. The unique username and hashed password will be the identifier for all users. The user profile also must be able to be actively updated by the user whenever they want to.
- **Study Groups** - The creation of a study group must link all of the group members by putting them into a new table. When anyone in the study group checks in the group, this event must trigger all user profiles in the group to update.
- **Study Planner** - The study planner must store future events for each individual user in sequential order. Group calendars will be stored separately from the individuals calendar. This feature must be able to delete any event from the table of events once it has concluded.

Project Plan:

Milestone 2 Kanban Board					
Backlog	To Do	In Progress	Testing	Integration	Done
Study Groups - javascript Team members:	Study Profile - javascript / HTML Team members: Max, Chandler, Mohammed	Course Selector - javascript / SQL Team members: Max, Mohammed, Paramvir			
Study Map - HTML / javascript Team members:	Study Activity - javascript Team members: Paramvir, Luke, Harrison	Location Selector - javascript / SQL Team members: Chandler, Luke, Harrison			
Study Planner - HTML / javascript Team members:					