

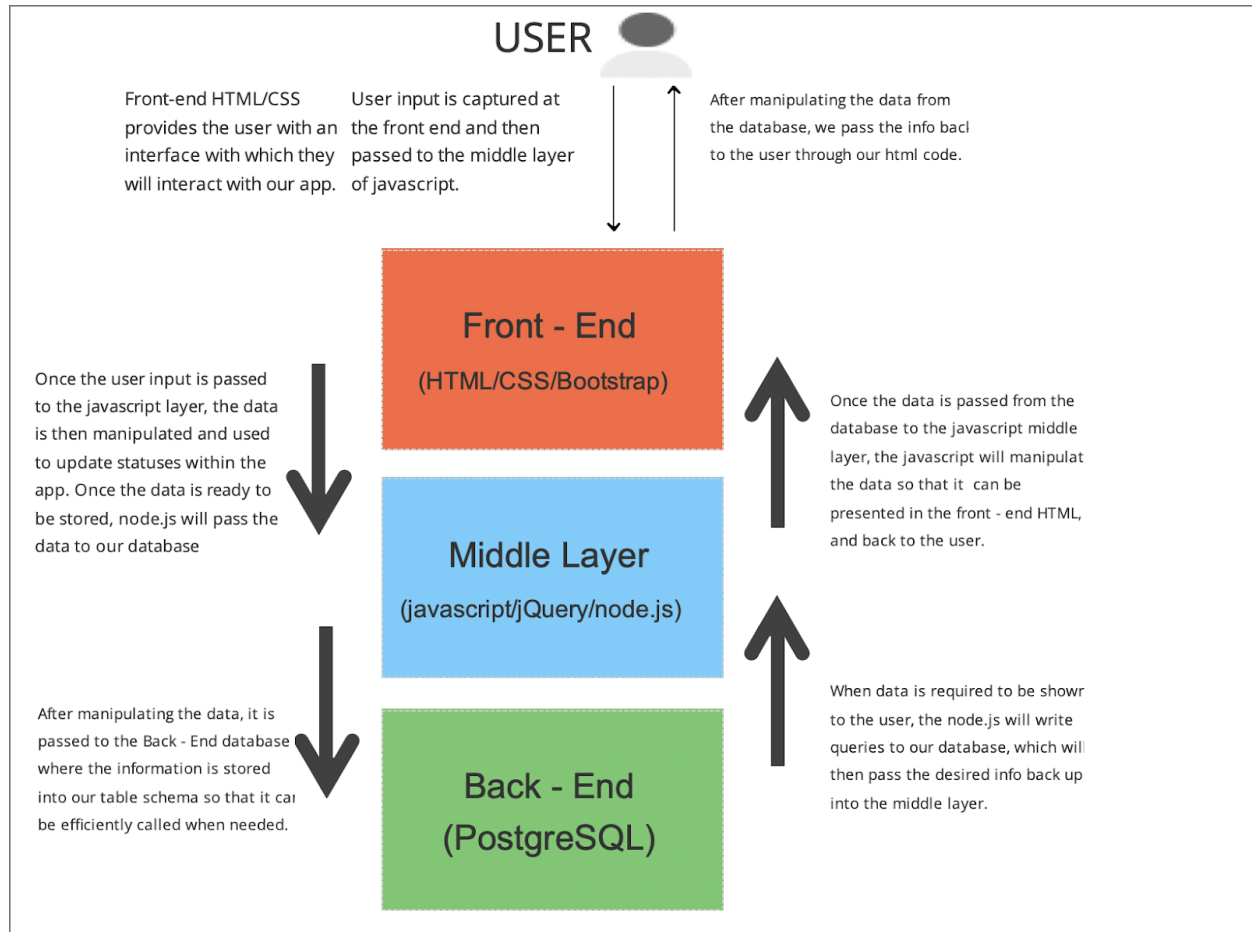
## **Milestone 4**

### **Revised Features:**

1.     **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. We think this is the most important step to accomplish first because it is the engine that drives our app, the core technology that will make our app what we want it to be is in a well-designed and functioning map interface.
2.     **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. Similarly to the Study Map, we think that study activity is the core feature of our app, so it needs to be developed before almost anything else because everything else is built off of the study activity, which all needs the map to function.
3.     **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. Once we have our main components functioning, we think that adding the ability to select classes is a good way to expand upon the map and activity features.
4.     **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. Location, like course selector, is going to be one of the first additions we make the base code once it is functioning. These two features together are extremely important for the app to perform as we want it to
5.     **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.
6.     **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.
7.     **Friends Lists** – We’ve added the feature of having a list of friends, where you can view the study status of your friends. The only way you can view the study activity of a specific user is if you are friends, so we will make a page that will display the study activities of the users friends, as well as the users study location if studying.

**8. 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 7:309pm.

**Architecture Diagram:**



## Front End Design:

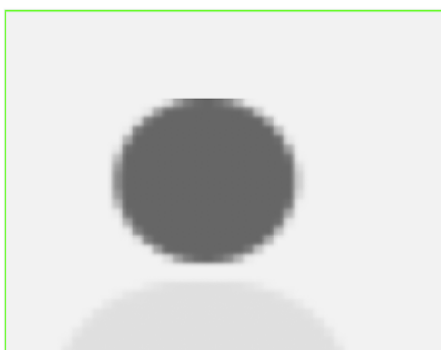
### Home page



### Profile page



## PROFILE



Max Marfuggi

Study status: Studying Algorithms in Norlin Library

Major: Computer Science

Year: Junior

Hometown: San Antonio, TX

Share Profile

CLASS SEARCH

TapStudy Logo

HOME

## Your Course List

Your class list is show below, click the search icon to add classes to your class list.

...



CSCI3308

CSCI3104

WRTG3030



Home

TapStudy Logo

Classes

# Course Selector

Department

Select

▼

Class Number

Ex: 1000

FILTER

✓

Search

## Study Check in page

Home

TapStudy Logo

Friends

### Check in



Enter your study location and the subject you  
are studying to check in.

Check In

Friends List Page

Home

TapStudy Logo

Groups

Friends List

...

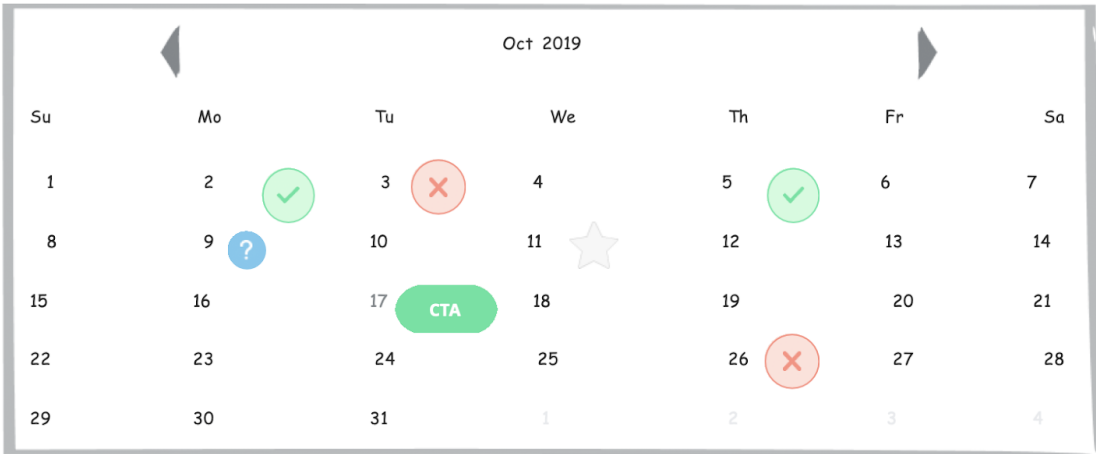
	NAME	STATUS	SUBJECT	Location
	Name Last Name Lorem ipsum	STUDYING	CALCULUS 2	Hellems
	Name Last Name Lorem ipsum	NOT STUDYING		
	Name Last Name Lorem ipsum	STUDYING	CHEM 1	UMC
	Name Last Name Lorem ipsum	NOT STUDYING		
	Name Last Name Lorem ipsum	STUDYING	PHYSICS 2	EC - 2
	Name Last Name Lorem ipsum	STUDYING	CHEM 1	Norlin - 1
	Name Last Name Lorem ipsum	NOT STUDYING		

Home

TapStudy Logo

Add Event

Study Planner ...





Home

TapStudy Logo

Friends

Group List

...

Create New Group

Comp Sci Project

Max Marfuggi

Adam Berger

Jefferey Gross

Differential Eq.  
Lorem ipsum

Max Marfuggi

Alex Larson

James Hartwig

Writing Project

Max Marfuggi

Riley Mayne

Kate Rauch

### **Web Service Design:**

For our app, we will be using google's API to power our interactive map that will be what powers our homepage. This interactive map will have designated areas that you can click and see who is studying at that location and what they are studying. This API will allow us to implement a map of the CU Boulder campus, that we will then be able to use to create study locations.

## Back End Design:

