



Study Buddy

FUNCTIONAL SPECIFICATION

PLACE
STAMP
HERE

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What is Study Buddy?

An application that provides space for students who are looking for fellow students to study with a connection to open communication.



“Clearly state your
company’s long term
mission.

”

Try to use words that will help direct the growth of your company, but be as concise as possible.

Project Idea Summary

"StudyBuddy" aims to ease unnecessary stress associated with higher learning. Educational growth is usually accompanied by various sources of stress, such as worrying about grades or finding people to study with. Processes which we aim to simplify and streamline to make life easier for those who have enough to worry about.

When a new user visits our site, they will be greeted with an intuitive and simple interface that will guide them through the creation of their profile. Here our users will enter basic information, such as their name, age, and major, followed by more personal information such as a short bio, currently enrolled courses, and preferred study habits (music, location, willing travel distance, learning type).

Once a user has created their profile, we will begin creating matches and suggesting study partners for them. Using our algorithms, we will rank the user's matches on a scale of more to less "study compatible." This line-up of matches is then presented to the user through their mobile/full browser. From this point, our users have the final decision as to whether or not they want to connect with a suggested match, or to pass on the matched study partner. Users will only be notified of another user's choice if they both say yes; thus making them "Study Buddies." Only then will they be able to contact each other to organize a meeting.

Disclaimer

This spec is not complete. Yep, you've read it right. Think of what follows as a work in progress. An evolution of sorts. It is entirely possible that we may decide to explore more use cases, for instance, and expand our initial features in the future. This is not meant to be a technical manual, but an explanation of user experience. The fluidity of this functional specification benefits all.

Use Cases

Javaris Jamar Javarison-Lamar is freshman student at UMass and is overwhelmed by the difficulty of his college courses. He is looking for some people to study with in several of his classes however, nobody in his dorm shares any of his classes making it difficult to meet up with people in person to complete homework. Luckily for Javaris, he can use StudyBuddy to ease his problems. He simply creates an account and completes his profile and is now ready to meet with people to study with.

Use Cases

D'Squarious Green Jr. is a physics student who decided to drop his linear algebra class within the add/drop period. Unfortunately for X-Wing @Alliciousness, D'Squarious's study buddy for that class, he will no longer be able to do his homework with him anymore. He goes on to his StudyBuddy profile and removes linear algebra from his currently enrolled classes. X-Wing gets a notification from StudyBuddy telling him that D'Squarious is no longer available for studying.

Use Cases

Tyroil Smoochie-Wallace and L'Carpetron Dookmarriot have moved off campus for the semester making it difficult for them to work with their study group from last semester. In order for them to find new a new study group they want to use StudyBuddy and get together with some other off-campus students. To do so, they simply go onto their StudyBuddy profile and edit their campus location and how far they are willing to travel (luckily, Tyroil owns his own car making travel not much of an issue).

Use Cases



Fudge has returned to college after a successful summer interning for Squeeps Inc. He would like to update his bio to reflect his newfound experience in biochemical engineering. Fudge signs in to StudyBuddy and adds a paragraph about his new professional experience to his bio, and is immediately 10x more popular on StudyBuddy.

Use Cases

J'dinkalage Morgoone and Torque Lewith are looking to meet new people. They are both in a large Bosnian Film Theory lecture, and are struggling with the subtleties of some of the assignments. None of their friends are taking the class with them, and they would like to find some classmates to work with. They sign on to StudyBuddy and create a new study group that is open to new members, and find Nyquillus Dillwad, a Bosnian film genius who is looking to share his wisdom with his less cultured classmates.

Use Cases

Davoin Shower-Handel has entered all of his currently enrolled classes and study habits into his StudyBuddy profile. He has completed his bio, and is ready to put himself out there and meet some study buddies. As he looks through the buddies that StudyBuddy believes will be compatible with him, Davoin discovers Hingle McCringleberry. Hingle is everything Davoin has ever searched for in a study buddy -- he likes to work in a quiet environment, he is a visual learner, and he can meet at all of the same times as Davoin. Davoin elects to match with Hingle, and hopes Hingle will do the same.

Use Cases

Jackmerius Tacktheritrix and Leoz Maxwell Jilliumz have mutually chosen to become study buddies, after StudyBuddy's algorithms suggested that they might be compatible. StudyBuddy has connected them by sharing the contact information they provided for sharing with their matches. Jackmerius anxiously sends Leoz a hopeful email asking to arrange a study meeting.

Use Cases

D'marcus Williams, Ibrahim Moizos, and Quatro Quatro have all decided to form a study group. They need to study for their Thursday afternoon final in sports management and, because they are playing in the the looming East-West bowl, they are all on tight schedules. Luckily, they were able to find people with compatible study habits through StudyBuddy and can now contact one-another to set up a time, date, and meeting place that works for them. Using the contact information they shared on StudyBuddy, they decide to meet on Wednesday night at the library and have an all-night study session.

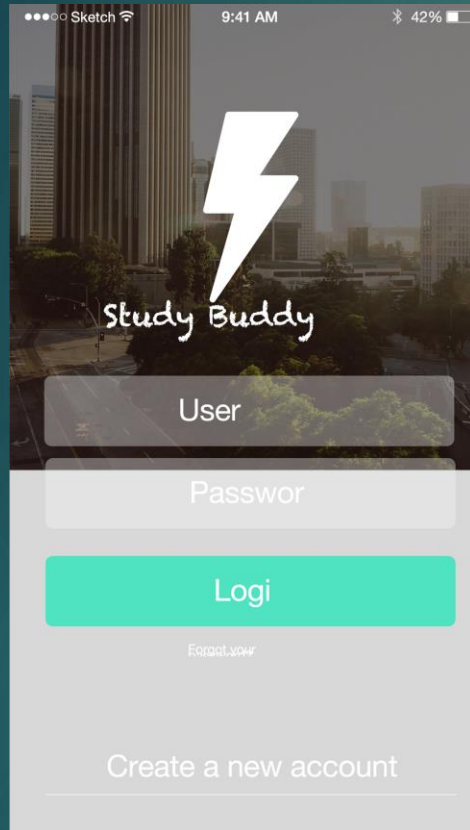
Non-Goals

- We are not planning on implementing GPS location services, although that could be a feature in future implementations. We plan on keeping the location aspect limited to inputs for University of enrollment, and distance willing to travel.
- We are not currently planning on adding features for managing existing study groups. StudyBuddy is meant to be a study-match-making application rather than a team management application (of which there are already many).

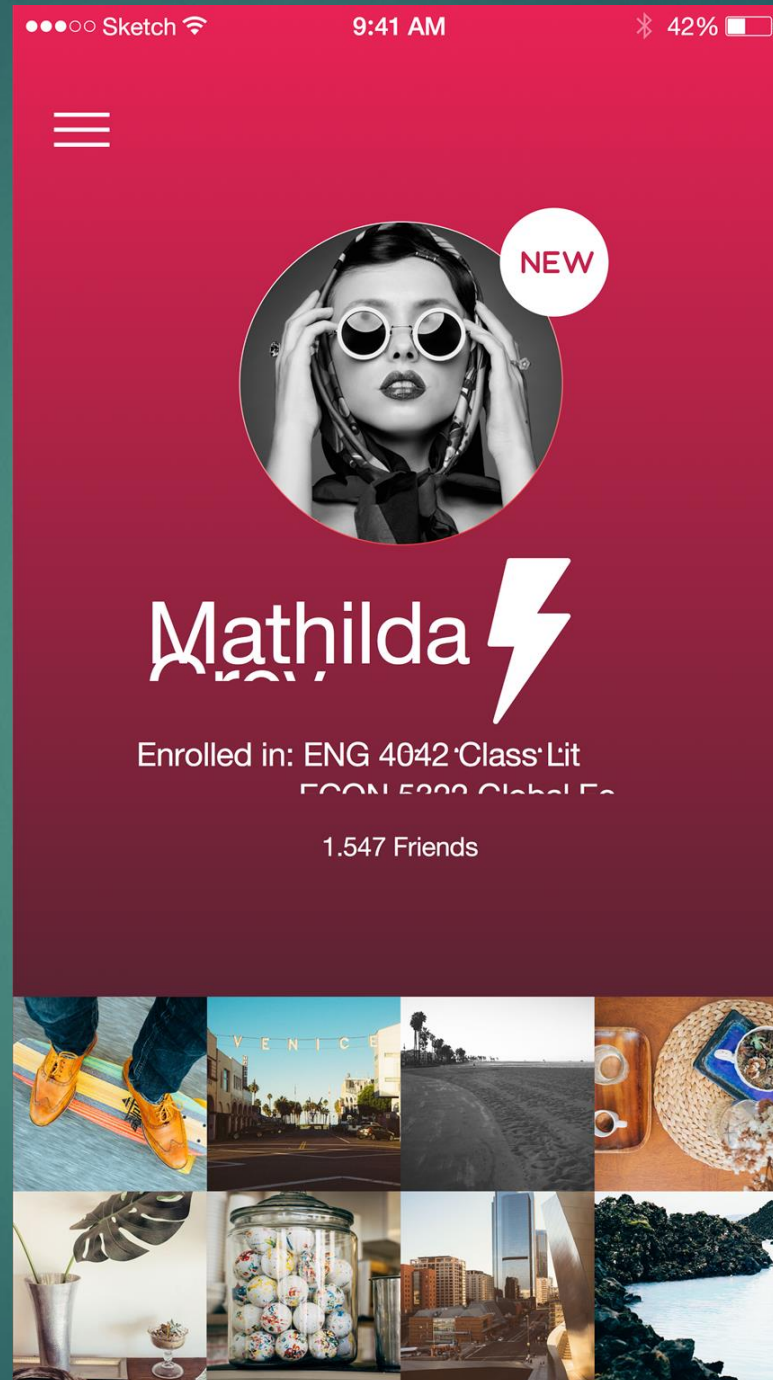
Open Issues

- Do we want to support older browser versions?
- How will we ensure that two people see the same real time message stream while messaging?
- implementation of a messaging module? or sharing of contact info?
- Is there demand for matching "StudyBuddies" of different Universities? (i.e.: UMass student matching with a Smith College student)
- Matching between sessions of the same class?
- Separate "grade calculator" element included?
- dropdown to match existing classes that students entered before you?

Wireframes

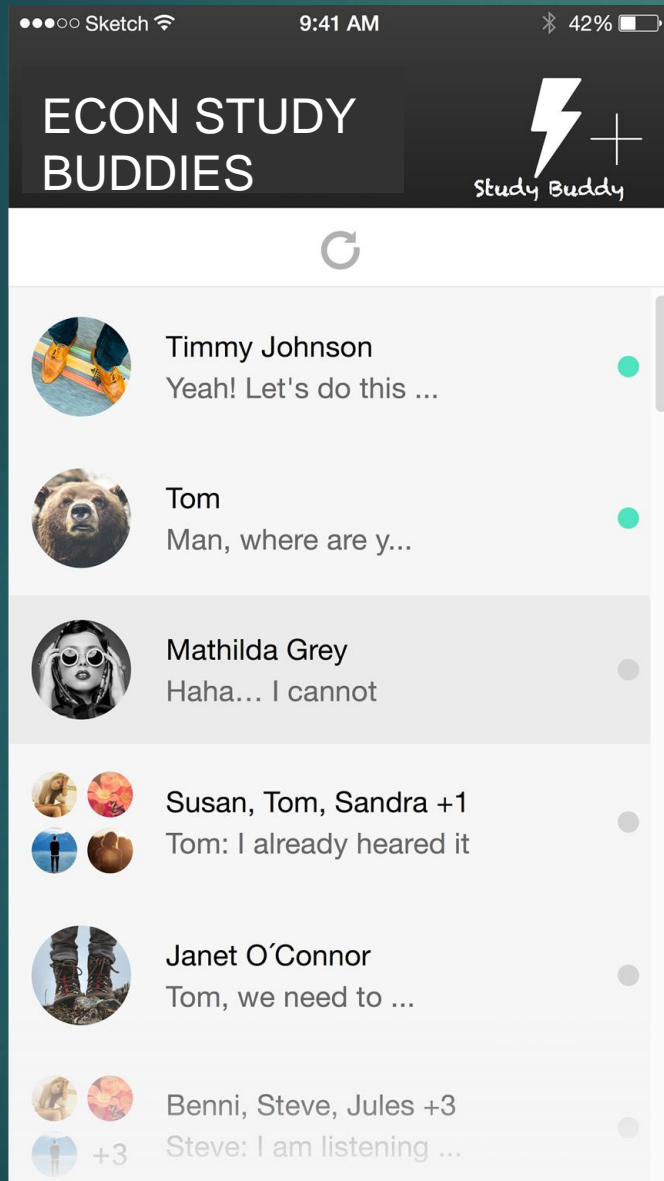


1. User Login/ Sign Up



2. Customizable Profile. Shows Interests and All Current Enrolled Courses

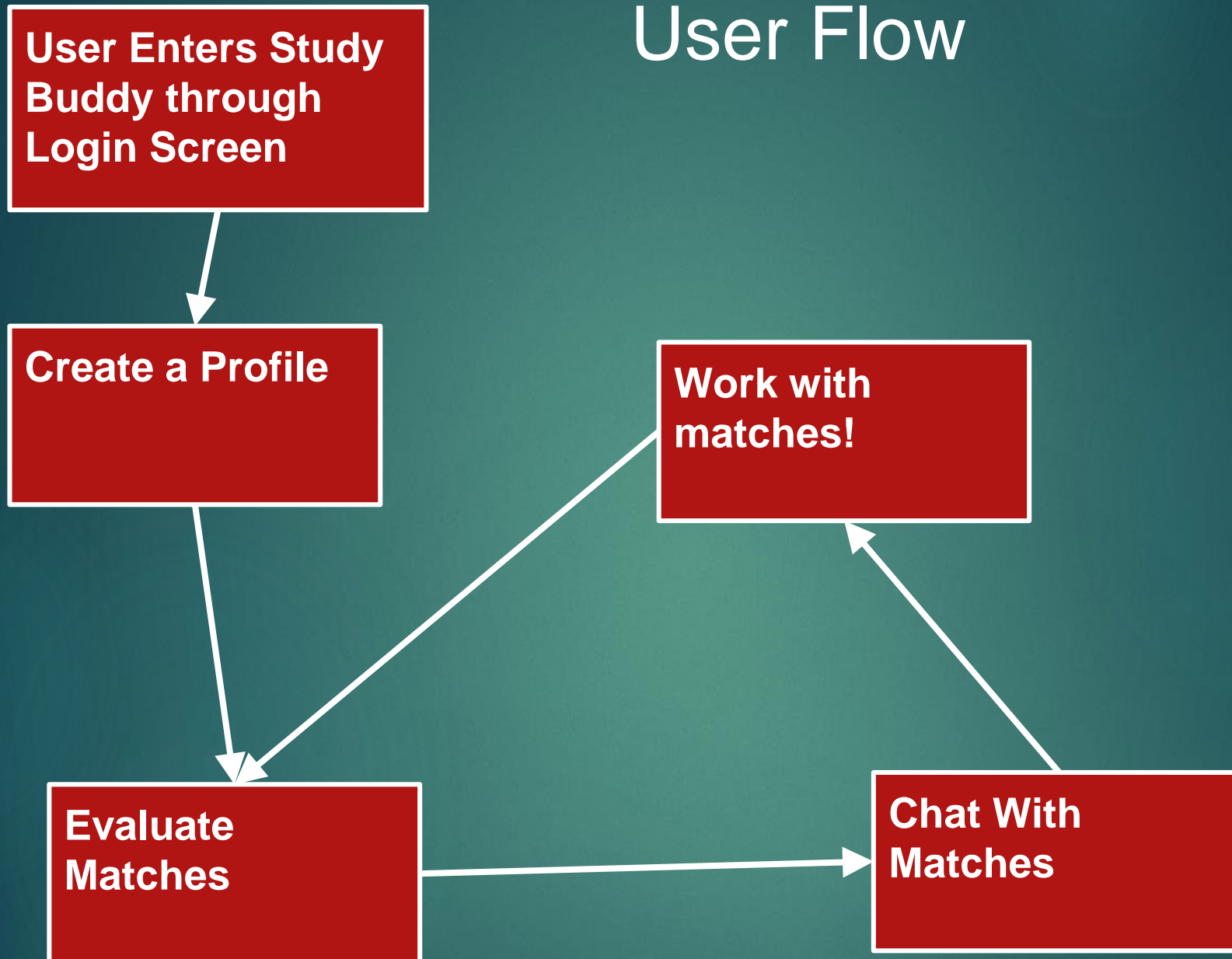
Wireframes



Expected Wireframe Integration

- The UI for Studdy Buddy will absolutely be using the wireframe shown above as a guide for the “look and feel” of the interface. The goal for the application is to make as few redirections as possible, and instead base it’s functionality on views that are dynamically changed within one page of the application.
- To support this kind of implementation, Heart of Gold will be utilizing the jQuery libraries, as they are available for free and are commonly accessible by including them at the head of an HTML form, and are compatible with HTML, XAML, XML, and PHP. Considering these factors and that google supports jQuery libraries; it is considered the weapon of choice for this project.

User Flow



Known Database Requirements

- Client side queries should be observable and should have events when the query changes on the server side

The Buddy object will contain:

- Display Name - uuid [could be real name (facebook integration -> anti-trolling)]
- Contact Information
 - Real Name
 - Preferred method of contact
 - Cell Phone Number
 - School email
 - Personal email (email address used for username/password

recovery)

- University
 - Name
 - State
 - Graduation Year
 - Major
- Courses:
 - Course:
 - Goal grade
 - Level of current comprehension
- Preferences:
 - Study method preferences
 - Study location preferences