CS 407 Project Backlog

Apoorva Parmar, Josh Radochonski, Dennis Chia, Brandon Xia, Srishti Gupta

PROJECT NAME: Friendr

Problem Statement

When we join a new course we are always looking for someone to study with and get help with homework. TAs are not always there to help us. Also, there is no efficient and user-friendly system in place for Purdue students to connect with their classmates and form study groups and get help on homework. Our app will help students to find other students by offering them a search mechanism, random pairing, and an intuitive personal messaging system. We will provide a system through the use of an Hybrid application which will work on cross platforms making it user friendly on all mobile and web applications.

Background Information

Audience:

Meeting new people who has the same interest as yourself can be a challenging thing to do especially when you don't know where to start. Our application targets users that are interested in meeting new people through an activity that they both enjoy and hopefully form a lifelong friendship amongst the users.

Similar Applications:

There are a few pre-existing applications for meeting random people to connect with. These apps allow to users make new friends and start a conversation with them. However, our application is different from them as it matches people according to a common goal instead of an interest and is more user friendly.

Limitations:

This application utilizes a random matching algorithm to match two users. This can be challenging if our user base is not large enough to find two users who are interested in the same activity.

Our app won't support every type of activity, as there are many things people do together; we won't be able to cover all the options.

Requirements

Functional Requirements:

Backlog ID	Functional Requirements
1	As a user, I would like to create an account.
2	As a user, I would like to login with the account I just created.
3	As a user, I would like to logout with the account I have been using.
4	As a user, I need to be logged in to access the services the app provides.
5	As a user, I would like to edit my account information from the settings.
6	As a user, I would like to reset my password if forgotten.
7	As a user, I would like to have the option to upload my profile picture.
8	As a user, I would like to change the main activity to search for another user (i.e. studying, eating, working out, etc.).
9	As a user, I would like to change my preferences for searching (match with guy/girl, class to study for, etc.).
10	As a user, I would like to search for a random person to be matched with.
11	As a user, I would like to get notification when randomly matched to another user.
12	As a user, I would like a conversation to be started automatically when I get matched with another user.
13	As a user, I would like to view a list of all my conversations.
14	As a user, I would be able to view one conversation at a time.
15	As a user, I would like to receive a message in any conversation and get a notification.
16	As a user, I would like to delete a conversation.
17	As a user, I would like to view my recent matches.
18	As a user, I would like to delete a recent match.
19	As a user, I would like to favorite recent matches to find them easier later.

20	As a user, I would like to see all my favourite activities in a favourites window.
21	As a user, if I click on a recent match I would like to go to the corresponding conversation.
22	As a user, I would like to have a FAQ page that I can access (if time permits).
23	As a user, I would like to deliberately match to another user that when a user searches for a match, if she/he finds one from the list, she/he should be able to send a match request which other party accept/reject.

Non-Functional Requirements:

Backlog ID	Non-Functional Requirements
1	As a user, I would like the mobile app to be visually appealing.
2	As a user, I would like the UI to be intuitive and easy to use.
3	As a user, I would like the app to be lagless.
4	As a user, I would like the app to be non-intrusive when I am not looking for a match.
5	As a developer, I would like search time to be reasonable based how many current users there are so the users don't get frustrated.
6	As a developer, the connection between UI, server and database should be strong.
7	As a developer, I would be able to handle 1000 requests at any given time.
8	As a developer, I want the application to run on an Android device and iOS.
9	As a developer, I must allow Purdue affiliates to use this app.
10	As a developer, I would like to catalog versions of the project so that it can be quickly updated and deployed.
11	As a developer, I would like to have some form of user feedback.