Project Topic - Team 10

1. One paragraph describing the project

StudyBuddy is a location-based platform that connects students who want to study together. Students create profiles with their courses and study preferences, then use an integrated map to discover nearby study buddies and join or create study sessions at local libraries, cafes, and other study spots. The app combines social networking features with geographic discovery to make finding compatible study partners effortless.

2. A list of potential customers

- Bethune College - They help students with exams
- YFS Council (Student Body) - Gives support to students on writing and exams
- Club Infinity - Math Club
- Any other clubs in York University

3. A list of similar existing products (with one-sentence summaries and URL links)

- Study Stream
    - https://www.studystream.live/focus-room
    - It's a website that allows you to join online with other students who are studying to keep you motivated to study.
    - *[Limitation]*: No location-based features, meaning that people may not be able to meet with people in their area

- EventBrite
    - https://www.eventbrite.com/e/chem-1000-peer-study-session-tickets-1980052471243
    - Allows users to create, host and market events in the app. Interested individuals join by placeholding a ticket for attendance confirmation of the event. (i.e. Chem 1000 Peer Study Session at York University.)
    - *[Limitation]*: Zero outreach for new individuals. Only existing users participate due to familiarity and prior trust in the app. Also requires a higher degree of effort to enter - you need to search for the course you wish to take part in a study session for on a course-by-course basis.

- studywithme.gg
    - https://www.studywithme.gg/
    - Pick your vibe + pick your moods/roles, and AI matches you with another person, and then places you in a study session
    - Video chat with strangers
    - *[Limitation]*: Doesn't have the level of customization that we want (Ex. courses and topics that you need partners for) – our app aims to match students with the same courses

4. A list of marketable features that you plan to have that are not in existing products

- Specific to York University students (Added security with Passport York; less digital footprint)

- More customizable matching algorithm – Allows students to get matched with people taking the exact same course. (Not present in any existing solution).

- Allows students to share materials and chat about course details. (current solutions don't have a chat functionality)

- Group Matching - We encourage students to form a study session of 2-5 people, to encourage maximum participation and effective studying. (Current solutions don't have an adequate room size limit)

5. Our Product's Feature List w/ Backup Features

- Student Profiles – Create profiles listing courses, subjects, and preferred study styles (Using firebase)
  - Backup: Local device storage of user profile.

- Interactive Map View – See nearby students and active study sessions on Google Maps or OpenStreetMaps.
  - Backup: A list view where each course shows a list of students looking for a study partner.

- Study Session Management – Create new study sessions or join existing ones at specific locations. (Using Firebase Firestore)
  - Backup: Have a google form link that can be filled out and users are manually sent the details to connect with other students.

- Location Discovery – Find popular study spots like libraries and cafes in your area. (Using Google Places API)
  - Backup: We will create a list of hardcoded locations around campus like libraries, cafes, study spots etc that students can access.

- In-App Messaging – Chat with potential study buddies and coordinate sessions (Using stream chat API or TalkJS, etc)
  - Backup: Give the person's available contacts (based on what the user has given such as email, discord, phone number etc).

- Social Features – Send friend requests and manage your study network (Firestone array, embeddings, etc)

- ○ <u>Backup:</u> Match users based on the courses they indicated they want study partners for. Or just give the user access to all the students registered for a specific course.

- Group Chats – Communicate with multiple study partners for group sessions (Using stream chat API or something similar)
  - ○ <u>Backup:</u> Insert button that sends user to external chat app to communicate with others (such as a Discord server)

- Session Details – View information about each study session (topic, time, attendees) (Just a clickable pop up if you click an study icon on the map or list using Firebase.)
  - ○ <u>Backup:</u> If not possible, people can just message the other on available times or just have a recurring per-scheduled session. Ex. Math Study Group, 2:00 PM at LSB 106.

6. Next Steps

- Choose a client
- Finalize project features and select implementation details.
- Begin development after proper project planning and requirement confirmation.