Project Title: Magnet - The Application that Brings People Together
Group # 18, January 31th, 2021
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Problem Statement:

People with similar interests in sports don't always have a convenient way of engaging each other locally. Our app allows people with the same activity interests to engage with each other with an easy and friendly GUI. After registration, our system analyzes and configures user information to present the user with a list of individuals who are either offering for that user to join their activity or looking for individuals to join their activity. Other applications, like GroupMe or Discord, require you to know specific people before you make a group chat with them, but our application gives an opportunity for people to bond with new people who share similar interests in sports and other activities.

Project Objectives:

- Make a free mobile application available on as many app stores as we can
- Give that application the ability to connect users with similar niche interests or activities that have difficulty forming a grounded local foundation
- For example, if you live in a college town but don't attend that college, intramural sports isn't an option for you. With our app, you can find a community in the area that want to play with you
- Have a seamless way to get matched with a friend with similar interests as you, or create a group chat with people in those interests
- Have a robust profile creation and management system, including adding others as friends/connections, blocking/privacy features, and group chat administration features

Stakeholders:

- Users: People looking for an individual or groups of people to partake in an interest with them when that interest does not already have a base group of people interested in it.
- Sponsors: N/A
- Developers: The team making the application
- Project Owners: Any company that chooses to purchase the rights to our application

Project Deliverables:

- User friendly GUI for iOS devices, such as iPhones, iPads, and iPod Touches
- An application made in Swift for the front end, as well as C for the backend
- SQL for database management; including a database of user profiles and user groups/matches
- A central matching system that will match users with similar interests based on location and user inputs
- A well organized and protected database that will store users information