

Team Name: Purple Nut

Team Number: 6

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App name: SquareUp

Application Description

1. Apps that connects students through schedule sporting activities through a social media website.
2. Medium for users, with similar interests, to find time/place to do such activity.
3. Track activity feed, while keeping a database of locations and types of activities.
4. Provides user profiles with list of sports/activities of interest in social network setting.

The application that we are planning on making is a social media website that connects people with similar sporting/outdoor activity interests. Users will create an account and enter their location. The location is needed because the app will only connect users within a certain radius of each other. Once location is established, they will be able to access a schedule for various activities. The schedule will have time slots where users can sign up for certain activities at certain locations, and see who is also interested in the same activity. This allows people to share experiences with other users. On top of the scheduling feature, you can see other people's profiles and interact with them through a messaging system. This can be used to refine details that the schedule might not be able to detail. It reinforces trust between the users, if they do not know each other .

Sometimes being alone when doing something makes a user not want to do their choice activity. But, knowing others are interested in the same thing can connect many individuals and create friendships. The best part of this website is that this is different than any other social media website out there. This community does not have an outlet to be connected as it would with this website, and that is why it needs to be made.

Vision Statement

For athletes in need of partners for their specific activities, who are looking for others in the area with similar interests, the SquareUp is a social media application that helps completes this search. Unlike Facebook, our product is for the niche community of outdoor activities.

Version Control

Identify the three repositories your team has created in git. One for each of the following:

1. Team meeting logs
2. Milestone submissions
3. All project code/components.

Verify that you have shared access to the repository with your TA and all your project team members (screen shot

Development Method

Describe the software development methodology will your team follow. Describe the methodology and the features/steps you will follow. Common methodologies include waterfall, agile/scrum, iterative. You may choose to follow your own hybrid version of these methodologies as best suits your team.

Our team has chosen Agile as the project management methodology. This process is a cycle with 6 steps, namely requirements, plan, plan, design, develop, release, track, and monitor. But how can we afford to go back to requirements and still deliver the product in time? Well, Agile prioritizes working software over comprehensive documentation, and responding to change over following a plan. We feel our team does not have enough experience with software development to justify hard requirements. As we begin to grasp the underlying concepts of product development, it will become clearer what the best product will be under our timeframe.

Communication Plan

During the course of the project our team plans on using multiple methods of communication. The first form of communication will be in person. We have meeting times setup to discuss pieces of the project. The other form of communication will be using Slack. Slack will be used throughout the weeks so we can discuss and share information about the project without having to meet in person.

Proposed Architecture Plan

The website will be hosted using Django. Django uses python for the backend, and HTML,CSS, javascript for the front end with special python tags.

We will need a database for

- Users
- Club memberships (User authorization to edit events)
- Clubs (Write Permission)
- Events
 - Attendees
- Activity Tracking (Event attendance / User feed)

Key Features:

- Search, Sort, Filter Events and Users
- Allow users to sign up for events

- Reminder for the event (through Email? Text? Website notification?)
- Summary statistics for clubs (Event, Monthly, Annual)
 - Implement 'easy signup' feature for clubs to quickly mark attendance at events (QR code maybe?)

Stretch Features:

- Messaging between event attendees
- Track user activities for social feed

Meeting Plan

Our team has decided on meeting weekly on Thursdays from 5 to 7. We will meet in either the math library or the engineering center. This will be face to face. We also have a slack channel that we use to get all our information across.