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Product Description

Overview

Match on the Street allows users to create, find, and join sports events spontaneously. It targets both casual and avid sports players who want to be able to connect with other players near them, in real time. Currently, sports meetups are formed based on either the luck of the draw for a simple pick-up game or having already formed a group meetup plan. With Match on the Street, you can find people whenever and wherever you want. In other words, you get all the benefits of long term planning, but none of the guesswork of regular pick up sports.

Related/Alternative Products

There are some apps that share the major concept of geo-based events organizing, but Match on the Street has its own important distinctions.

- **Meetup**. Meetup has a fairly large user base that allow people to form groups and meet up, but this app does not allow for people to spontaneously form groups and meet up. Also, Meetup is for general Meetups, while our product will be specifically for sports.
- **Facebook**. The main component that competes us in Facebook is its group feature. There are now numerous Facebook groups categorized as sports. However, it's often found that the majority of the users are inactive due to its non-spontaneous nature.

Major Features
- **Event Management**
    - **Creating events.** Users will add a location pin to the map and can add a title, short description, time range, and tags.
    - **Joining events.** Users will be able to indicate their intention of joining an event.
    - **Clean-up.** Events that have already occurred will be removed.
    - **Notifications:** Removal, addition, and edits of events of interest.
- **Location Services**
    - **Identifying user location.** In combination with a user specified radius, this location will be used to determine the relevant area.
    - **Location pins.** Users can create and view the location pins that serve as a references to events.
    - **Displaying map.** The map will show all location pins in the user specified radius around the user's location.
- **Basic Profiles**

- ○ **User authentication.** Standard username and password functionality will be used for authentication.
- ○ **Personal information.** Profiles can include basic user stats like their name, a personal photo, contact information, etc.
- **Search/Filtering Functionality**
  - ○ **Title search.** This would be a basic search that matches words in an event title to the search query.
  - ○ **Location search.** Users can search for events by choosing a location, i.e. a different central location than their own.
  - ○ **Time search.** Users can search for events in a specific time frame.
  - ○ **Tag search.** Events can be searched by single or combinations of tags.

Stretch Features
- **Extension of user profiles**
  - ○ **User ratings.** Allowing users to rate each other could help them make more informed event decisions and increase the safety and reliability of the app.
  - ○ **User history.** Users could keep track of Information like a list of recently attended/created events, game records, etc.
  - ○ **User stats.** This could include any more qualitative information about the user, e.g. skill level at a certain sport.
- **Notifications.**
  - ○ **Invitations.** Users could send invites to specific users for a given event.
  - ○ **Alerts.** Users could be alerted when their events are imminent.
- **Option to post event to Facebook on creation.**
  - ○ **Invite friends to event.**

Non-Functional Requirements
- **Scalability.** This app must be scalable to accommodate a potentially extremely large user base.
- **Responsiveness.** Location pins, with their associated events, must be loaded onto the map or search display within a reasonable time.
- **Safety.** This app needs to defend against user information leaks as well as potential fake profiles or events.
- **Portability.** As a phone app, Match on the Street must be portable to other smartphones beyond our initial Android implementation.

External Documentation
- **First login tutorial.** Upon first login, the user will be walked through the important buttons on the main page, with short descriptions of their functionalities.
- **Help page.** There will also be static help page that will describe and depict the basic functions of the app.