CS316 Open Project
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Milestone #2: Progress Report
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Spawn

Changes made to the original proposal:

The majority of the changes made to the original project proposal are in the User table. The new User table is:

User(FB_ID, name, friends)

With Yubo's advice, we decided to not make name a key because FB_ID would suffice, and we also opted to add friends to the User table because this would eliminate the need of making constant API calls to Facebook to retrieve the friends of a User.

As of now, we've decided to allow Users make events that occur at the same time and location because multiple Users that are unrelated to each other should be able to make an event at the same location given that the location is big enough; however, we'll consider adding a notification that will alert a User that another event is occurring at the same location and time as that User's event.

Also at Yubo's suggestion, we have changed how we get user data from the Facebook API. Instead of constantly querying the API

Summary of progress:

- Created a fully functioning Meteor project that's shared on GitHub (https://github.com/sam-ginsburg/Spawn)
    - All code is written in Javascript, HTML, and CSS
    - Using Meteor and MongoDB for backend
    - Began frontend design, such as custom taskbar, using Bootstrap
    - Multiple pages have been created, and each is accessible via routing
- Incorporated Facebook integration by allowing users to login with their Facebook accounts
    - Pulled user information from Facebook for profile pictures, gender, and age
- Main page displays list of events that user can join
    - Events are currently sorted by creation date, with more sorting options coming soon
    - Each element in the list shows preview details including name, host, and time
    - Click on event to be brought to event page
- Users can create their own events, which are saved to MongoDB database
    - Events can be public or private (all nearby users vs only facebook friends)
    - Have their own description, name, time, and location
    - Unique identifier is created for each event
- Event page has been created

    - Event attributes of name, host, time, and description are pulled from the MongoDB database and shown on the page
    - Layout for features that will be implemented in the future have placeholders (images, map, attendee list, etc.)
- User profile page created
    - Contains profile picture pulled from Facebook along with basic information
    - Shows past events that User spawned
- Users can query other Users for their profile pages
    - They will be able to see the events the other User has spawned
- Users can make comments on events

Tasks to be completed:

- Improve and update UI
- Allow users to join and drop events
- Allow event hosts to update events
- Archive events once completed
- Integrate Google Maps API for location support
- Upload photos for events
- Invite friends to events
- Allow users to change settings from profile page
- Event searching and sorting