Team 018 - SQLMasters Proposal

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Project Title: PartyPlan

Project Summary

The basic premise of our project is that this is an application that allows people to publicly advertise their house parties. Users on this application can either create a party or sign up to attend a party. This creates two different modes of interaction: viewing parties and creating parties. On the viewing side, they will show the user a list of parties that they can sign up for. Each party post will show the specific details of the party, such as location, time, and RSVP form. On the party creation side: the user can fill out a form with the details of their party, such as location, time, capacity, etc.

We will have a two-part, 5-star rating system. This system will show users the enjoyability of the party they attended as well as the safety of the party. On the safety side of things, we are going to allow users to go back on our platform and leave a rating on the party. This will allow users to know the safety of that party and any future parties they throw. This logic works the same way with the enjoyability aspect as well.

Description

Many college students LOVE to party. However, if they don't know certain people, they can't get into certain parties. Our app allows users to find the parties that fit their preferences, without having to know people beforehand. PartyPlan is an open platform that allows users to post their parties for the public to sign up for so people can attend parties without having to go through the hassle of texting every person they know to find a party.

Usefulness

Our application is useful because there is an extremely large market for partying, but a very niche mode of access to them. As college students, we know that students love to party, but we have been in situations where we may not want to go to a bar and want more of a house party scene. But it isn't that easy to just find a house party let alone be allowed inside of one without knowing people. Our application makes accessing parties easy and open to everyone. There are templates online for party sign-up forms, however, there is no dedicated application for allowing access to parties to the public. This means we have created our own space in the market.

Realness

The data would be user sourced. A user would make a request to update the table by posting a new event, and after the timer is up - the event is removed from the database. Our data is collected in the form of one auxiliary "User" data table and four functional tables.

User(name, email, phone number) table the user of our application will insert their information.

ActiveParty(address information, tags, description, capacity, time frame) table will include all the parties that the users host.

ArchiveParty(address information, tags, description, capacity, time frame) table will include all the archived parties hosted by the users.

Friends(1-to-1 relationship) table keeps a track of all the friends of all the Users.
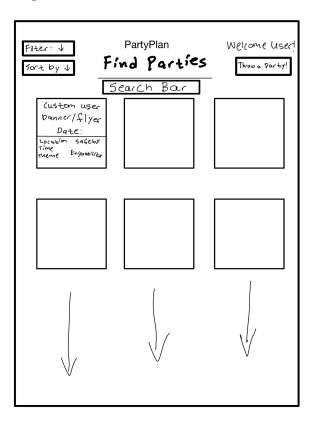
RSVP(event-specific, people who have RSVPd for the party) table for the hosts of the parties to know who is going to their parties.

Ratings (host-centric, fun/safety) table for judging the safety and fun of each of the parties.

Functionality

- When the user opens the website he will be able to register/create an account.
- After creating the account the user can RSVP to an event or host his event. The user will always have an option to edit his RSVP or the event they are hosting.
- The user can also delete the event. The database will update accordingly.
- For the party they are hosting, they can address, capacity, time frame, description, and tags like (open, close, etc).
- The user can also rate the host on their party for the safety and fun of their party.
- After the party has exceeded the time frame they will be removed and added to the archive party table.

UI Mockup

Work Distribution

Naman Jain: Will manage user account signup and login. Keep all the passwords secured and protected for the user's protection.

Jamiel: After a user leaves an event, they have the chance to rate the safety and enjoyment of the event. In charge of this interaction.

Carson Zuniga: Upon the event expiring, the event must be deleted/moved to an archive table. The event can also be deleted manually by the user. In charge of both of these interactions.

Vikrant: Will be involved in creating tables and queries that allow users to host events. This task involves making sure that the user is eligible to host events and make sure that events are safe.

All together: Search/filter/sort the database, front end, RSVP system