CEN 4010 Principles of Software Engineering

Summer 2021

Milestone 1 Project Proposal and High - level description

Activity Connects (WORKING TITLE)

Team 4: Event Masters

Revision	Date
1	6/15/2021

Team:

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Executive Summary:

Our application, Activity Connect (working title), which allows end-users to find and sort through events to go to with friends or acquaintances that are relatively Covid safe for the average end-user. More personalized experience for the end user to provide a recommended list of events that they can go to. Providing live up to date weather for the events as well as a calendar to see upcoming events and the associated weather with them. Email notification once the end user has booked the event and then a notification the day before the said event.

To promote socialization/events through Covid friendly activities and beyond. As well as engage with local areas to create a sense of community.

Competitive Analysis:

Activity Connect (Working title)	EventBrite
Weather for events	Able to have Followers for every event
More outdoor activities	Mobile Application
Covid safe thinking first	Built in Filter
Better metric for budget options	Able to create a User made event
Community Built through chat and being able to share schedule with the Buddy System	Sells tickets for big events
Rating System	Online Events (Speed Dating and Seminars)

Compared to other event planning websites ours will be more personalized and allow the user to communicate with other users. This table shows what Eventbrite has already done more than what we will do but of course they are bigger so if we get bigger we can look into adding a mobile app as well as allow user made events. From this we can make a clear objective of what we can make as well as creating a better, more efficient website to grow a community and promote socialization.

Data Definition:

Users:

- Name (string) - name of user

- Preferences (string) - user list of preferred activities

- Email (string) - users current email

- Password (string) - users current password

- Username (string) - users current username

- Phone number (int) - users current number

- Current activities (string) - list of ongoing user activities

- Planned activities (string) - list of planned user activities

- Added Buddies (string) - user friends list

- Current chat id's (int) - chat id to connect user to his/her ongoing chats

Events:

- Title: (string) - name of event

- Description: (string) - activities being done

- Start Date: (int) - start date/time

- End Date: (int) - end date/time

- Buddies Attending: (string) - All the people attending

- Location:(string) - location of the event

    - Indoors

    - Outdoors

    - Online

- Rating: (int)

Overview, Scenarios, and Use Cases:

In this site we will provide an exceptional way for the average end user to schedule and collaborate events to do with family and friends. Ranging from Outside activities such as the beach or park to Inside activities such as parties and board game nights. All will be provided to increase the socialization of the community around you.

Let's do an example: Joe and Jane, two new users who have never ever seen the website, want to host an event but want it to be Covid safe. How can they accomplish this? With Activity Connect (Working Title) Joe and Jane can schedule an event using our filters to find something that is Covid safe for their event. Wait, they also want it to be affordable so using our filters they can also find an option that is both fun and affordable. Joe and Jane settle on having an event at the beach from here our weather algorithm will be able to dictate which day is good for a beach day.

Through this Joe and Jane are able to create and host an event to spend with their friends. Once the event is made a group chat is created to allow the group to communicate outside of the event till the event is over. Thus providing an adequate socialization that we all crave during these difficult times of the pandemic.

As you can see Activity Connect (Working Title) allows and even encourages the end user to have fun and try new things leading to new life long friends. By showing the user a step by step filter system we are able to narrow down their options to give them exactly what they so depressly need. Overall making an excellent tool to increase socialization during the pandemic and even beyond

Functional Requirements:

- Site shall show a list of events located near user location by default only to be changed when either location is changed or when a filter is created

- Site shall have a filter mode which will change the events shown to the user, filters will include aspects such as Covid Safe events, non-mask wearing activities, pricing (free -> max), distance from user, hours of operation, etc.

- Site shall have a social aspect of being able to create friends (buddies) where users can send event info, or chat, and even see the events their buddies have marked down

- Site shall provide weather information for both the day and location to help show the user good days to choose outside events.

- Site shall sync with google calendar so that once a user has finalized a plan they can easily access both the date and information wherever they go

- Site shall allow for user made events to be both created and shown (via User Created Filter) so that smaller events , such as school fundraisers or clubs can gain more following

- Site will allow for the user to send notifications to their email about upcoming events they are interested about and any finalized plans the user made

- Site shall have a login feature for users to never lose track of info they want stored

Non-Functional Requirements:

1. Security:

    a. Account information will be secure and only available to the user although it will

    be used to make recommendations on events they should attend

    b. User is capable of making both public and private events so that they are only

    seen by the intended audience

2. Accessibility:

    a. User capable of connecting account through google instead of making an account

    from scratch

    b. Make sure works correctly on all mobile and other personal devices

    c. Works on any operating system

3. Performance

    a. Site loads up as fast as possible

    b. Site doesn't cause crashes due to errors

4. Storage

    a. Stores info using sql database

High-level architecture:

- HTML

- CSS

- JAVASCRIPT

- GOOGLE API

- MYSQL

- VISUAL STUDIOS

- GOOGLE CHROME SUPPORTED

Checklist:

- ~~Team decided on basic means of communications~~

- ~~Team found a time slot to meet outside of the class~~

- ~~Front and back end team leads chosen~~

- ~~Github master chosen~~

- ~~Team ready and able to use the chosen back and front-end frameworks~~

- ~~Skills of each team member defined and known to all~~

- ~~Team lead ensured that all team members read the final M1 and agree/understand it before submission~~