Party Site
Software Requirements Specification

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10-11-2024 - v0.01

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1. SRS Revision History

List of all modifications to the SRS document

Date	Author	Description
10-11-2024	jd	Initial document created and added
11-07-2024	jd	Section 2.5 added and 3.1-3.2 added/updated to match project
12-06-2024	all	Final changes to match the final project submission

2. Concept of Operations (ConOps)

The Concept of Operations describes the system being proposed and the specifications of uses from a stakeholder point of view.

2.1 Current Problem

Currently, there are very few ways to figure out what is going on in your town without previously speaking to friends who are hosting events. This means every time someone wants to invite someone to an event, they must tell them all the details personally. This can be frustrating when trying to schedule events, especially for people with busy schedules.

2.2 Justification of New System

Sure many choose to use social media functions like Instagram stories to advertise events but there is no way for users to rsvp, communicate with other party-goers, or view all of the other possible options for a night out in one place. By providing integrated notification features, location features, and an optimized interface, the website will significantly reduce the time and effort needed to manage social events, improve communication between hosts and guests, and enhance the overall event planning experience. This tailored approach not only simplifies the RSVP process but also ensures higher engagement and more accurate attendance tracking, making it a valuable tool for anyone planning or attending events.

2.3 Proposed New System

The proposed new system aims to change the way event organizers and guests manage social gatherings by offering a dedicated platform for streamlined RSVP management and event coordination. Unlike existing generic tools, this system will provide specialized features designed to address the unique needs of social event planning, such as real-time RSVP tracking, location services, and easy event creation. With a focus on usability, the platform will enable users to quickly

set up events and invite guests, while guests can respond with a single click and receive timely notifications.

2.4 Description of Users

The primary users of the Party RSVP site will be college-age students who frequently organize and attend social events, such as house parties (both private and public), and club gatherings. This demographic often seeks convenient and mobile-friendly solutions for managing social plans, making them ideal users for a platform that simplifies event coordination and RSVP tracking. The site's intuitive interface, real-time notifications, and ease of use cater to the needs of college students who prioritize efficiency and instant communication in their social lives.

2.5 Modes of Operation

There will be two modes of operation for the user. There will be an option to sign in as a host or patron. The host account will have access to the host tab at the top of the screen, allowing the party host to create, edit, and post their event to be viewed by friends, followers, and other users depending on their customized privacy settings. The patron account will allow users to view and rsvp for events found on the feed or events friends attend. An account can only be a host or a patron, not both.

2.6 Use Cases

Use Case #1
Description: A user wants to create an account, view and RSVP local events
Steps:
1. Open PartyHub
2. Click Sign up as a patron
3. Enter personal information
4. Sent through to the landing page of the site
5. Scroll through the home page-A.K.A. the feed- to see the list of upcoming events
6. Find an adequate party in the feed
7. Click on the party
8. Click RSVP
6. Done, and repeat steps 5-8 as needed

Use Case #2
Description: A host wants to list their event on the site publicly for users to RSVP to
Steps:
1. Open PartyHub
2. Click sign up as a host
3. Enter personal information (including the address of the host location)
4. Sent through to host landing page of the site

5. Click create party
6. Curate event details using available filters (public or private, time frame, vibes)
7. Click the “Create” party button
8. Done and repeat steps 5-7 as needed

3. Specific Requirements

3.1 Software System Attributes/User Protections

The software should protect all users' personal information. No email should be shown on a profile, and no user passwords or addresses should be able to be accessed. User information is private. No person not a friend of the party’s host should be able to view event details for a “publicly” (not discoverable on the home page) hosted event. No private event should be publicly visible for any patron to see.

3.2 Essential Functional Requirements

1. User registration and login
    a. Allows users to sign up and then log in with an email and password
    b. Hosts sign in using email, password, and address
    c. Users cannot use an email to sign up that someone else has already used
    d. Users must use a unique username
2. Event creation and management
    a. Allows hosts to create and manage their events
    b. Can change variables like time, place, publicity status, and vibes
3. RSVP Function
    a. Allows users to RSVP using a button command
    b. Allows users to change their status up to 6 hours before the event
    c. Users can see other events they are RSVP’d for
4. Notification
    a. Users and Hosts should receive notifications on their main feed when someone interacts with their event or invites them to an event.

3.3 Non-Essential Functional Requirements

1. Maximum guest count for events
    a. A maximum of 100 guests can RSVP to attend any event.
2. Updating Friend Status
    a. Patrons should be able to change their friends' status (E.g., make a friend a follower instead).

3.4 Essential Non-Functional Requirements

1. Performance
    a. The site should have an average response time for loading event details that is at most 0.75 seconds.
2. Usability
    a. The site should be easy to navigate for users, allowing them to create an account and RSVP or Host an event within 3 minutes.
3. Reliability
    a. The site should be online 99.9% of the time, any reason for downtime would be maintenance.

3.5 Non-Essential Non-Functional Requirements

1. Scalability
    a. The site should accommodate up to 5000 users and 100 events at a time.
2. Maintainability
    a. The site shall be modular in design, allowing for individual feature updates (e.g., RSVP system, notifications) without requiring downtime for the entire site.

3. References

Fetch: The Tinder for Doggy Playdates
Fetch: The Tinder for Doggy Playdates Software Requirements Specification
Ronny Fuentes, Kyra Novitzky, Jack Sanders, Stephanie Schofield, Callista West. (2021)

4. Acknowledgments

CS 422 Project Evaluation Criteria