Project Charter

CS 30700 Team 20

Team Members:

- Viswajeeet Balaji
- Seerat Dheer
- Sanjay Babu Krishna
- Devansh Dharmeshkumar Panirwala
- Sreekara Yachamaneni

Project Title:

Happening Place

Problem Statement:

Hosting an event or party requires a lot of effort, thinking and coordination and when a group of people organize an event there is confusion about who's in charge of what and when. Also during massive events like BGR, students come across various events around campus and since there is no central platform which organizes and lists all the event dates and details, students tend to miss events due to forgetfulness or time conflict. Happening Place is an app which allows you to effectively host events by allowing multiple members to simultaneously plan for a single event without any hassle. It also allows users to find relevant events around them. Though several event-finding apps such as EventBrite, which lists nearby events, exist none of them offer the feature of multiple users planning and contributing to a single event which enables workload distribution.

Project Objectives:

1. Web app with an interactive and intuitive GUI which makes it easier for users to create and view events around them.
2. Create a website for end-users to find events around them based on zip code.
3. Enable users to hosts effectively organize an event as a team, thus eliminating the workload pressure only on one person.
4. Centralized event dashboard for the event managers and hosts to interact and plan the event so as to avoid confusion when planning for events.
5. End-users are able to view events around them and able to apply filters to events, so that they can view events of their choice and liking.
6. Generate a recommendation list of events for the end-users based on their history and interests, so as to incite interest into the users.
7. Implement a feedback system to enable end-users to rate their experiences so that hosts can improve future events.
8. Generate a timeline of events attended or hosted by users to serve as a personal journal.

Project Stakeholders:

- Users: People who want to host their events or attend events, primarily in a college setting.
- Developers:
    - Devansh Dharmeshkumar Panirwala
    - Sanjay Babu Krishna
    - Seerat Dheer
    - Sreekara Yachamaneni
    - Viswajeeet Balaji
- Project Coordinator:
  Ashwin Gokhale

Project Deliverables:

1. Javascript based front-end which uses HTML, CSS, Javascript and Bootstrap that allows end-users to view and join events, as well as allows hosts to create and manage events.
2. Implement a serverless backend using Amazon Web Services (AWS) which manages the event message dashboard, generates event lists for users based on their preferences
3. Distinct login for event hosts and end-users. The event host login can create, cancel, modify events. The end-users view will have event-filtered search and can view their history of events attended.
4. Message board for the event host and event managers to communicate and view the event planning dashboard.
5. AWS DynamoDB database in the back-end to store the events list and users list.
6. AWS API Gateway used for sending data from the front-end application to the backend service.
7. AWS Lambda hosts the backend service, data redirected to Lambda from API Gateway.
8. Use a recommendation algorithm and implement it using python libraries such as NumPy.
9. A feedback interface for users to rate the events and hosts.
10. A timeline tab for the end-users to view events attended.