

Product Backlog

Team 20



Happening Place

Team Members:

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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.

Background Information:

Audience

Our project encompasses the general population. The app targets anyone who would like to host an event professional or casual. It allows collaborators to come together and contribute and manage their events. It can be used by college students to keep track of callouts, on-campus events and club meetings. It can be widely used in college campus where student bodies regularly organize events. This app always matches users to events based on their interests.

Similar Applications

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 thus enabling workload distribution. There are other apps such as Groupon which

show events happening around you, but their app is more discount coupon centered while our app matches the users to events based on their history of events and their interests. Happening Place also combines the two powerful features of event management and event listing in one common platform.

Several universities too have their own college campus activities apps. Happening Place app can be used to connect people from across various universities and locations since college students can become more aware of events happening at other universities.

Functional Requirements:

1. As a user I would like to signup for an Happening Place account.
2. As a user I would like to login and manage my Happening Place account.
3. As a user I would like to reset my login credentials for my account.
4. As a user, I would like to get recommendations on the events nearby, so that I can get the most relevant events nearby me.
5. As a guest, I would like to view list of events in my zip code.
6. As a guest, I would like to view list of events around me in a map. (if time allows)
7. As a guest, I would like to have a recommended list of events based on my interests
8. As a guest, I would like to have the feature of sorting through available events based on certain filters, so that I can view events which are aligned to my interests
9. As a guest, I would like to be able to view the event information such as location, time and event description
10. As a guest, I would like to be able to join an event
11. As a guest, I would like to be able to remove myself from the event
12. As a guest, I would like to be reminded about any upcoming events I have enrolled in, so that I do not forget to attend the event
13. As a guest, I would like to have a timeline feature which lists all events I have attended in the past.
14. As a guest, I would like to have the ability to make my profile public or private.
15. As a guest, I would like to view profiles of other users and connect with them.
16. As a guest, I would like to be able to view events visited by my friends.
17. As a guest, I would like to be able to share my events with friends.
18. As a guest, I would like to have direct messaging feature with the event host, so that I can communicate directly with him or her.
19. As a guest, I would like to be able to rate an event I attended, so that other users will know the quality of the events organized by this particular host

20. As a host, I would like to create events so that I can communicate and collaborate with like minded people.
21. As a host, I would like to delete or modify the event details in case there is change of location or time due to unforeseen circumstances
22. As a host, I would like to add contributors to this event by searching for their username
23. As a host, I would like to be able to create a list of “cards” .i.e a list of tasks for to be completed for the specific event.
24. As a host, I would like to be able to manage all contributors for a specific event by assigning specific responsibilities(“cards”) to them.
25. As a host, I would like to have a separate channel of communication for with the contributors based on their assigned cards.
26. As a host, I would like to see a list of people who have signed up for this event.
27. As a host, I would like to see the demographics of the people who have signed up for a particular event based on the user’s interest tags, so that the event can be tailored to a specific audience
28. As a host, I would like to be able to communicate new information to the guests so that they can stay updated about the event
29. As a host, I would like to manage questions and responses from participants and forward them to the assigned contributors for appropriate response.
30. As a host, I would like to view past events in a timeline format for historical records purposes
31. As a host, I would like to view ratings and reviews of the event so that I can improve the event quality in the future.
32. As a host, I would like to use tags to describe the event so that the event can pop up in the recommended list for users who have similar tags.
33. As a host, I would like to be able to select the view mode of the event .i.e make an event either a closed private event, open to a select few or make it public.

Non--Functional Requirements:

1. To make an intuitive, elegant and responsive user interface using the extensively used React JS framework.
2. To make a customized dashboard for the event host to manage the event contributors.
3. To make a robust server to handle all incoming requests, check their validity and to communicate with the database. For this we will be using the Amazon Web Service Lambda platform which can handle more than 1000 request simultaneously (response rate of ~10 sec) in the basic version. This limit can be increased by purchasing a premier web services plan.

4. We will be using AWS API Gateway to create a customized API, so that there is smooth and regulated communication between the frontend and backend.
5. To query and store the list of events and users along with other miscellaneous items in an appropriate database. We will be using AWS DynamoDB as our primary database.
6. We are using Amazon web services to ensure that our web app is scalable.
7. The web app will be hosted using Amazon S3 bucket hosting.
8. To give the list of recommended events around user within ~1 second based on an algorithm which parses the tags of events and users.
9. If time allows, we can make the response time of the website better, our code could be hosted at multiple servers across the globe with the help of AWS CloudFront. This would ensure that people across the world can access the website at a faster rate.