Evant

Team 24 CS 307 Product Backlog

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Problem statement:

People often search for events or activities pertaining to their interests, but it can be challenging to find local events in one's interests. Although current popular methods, such as Facebook and Foursquare, are successful in coordinating events, these products are limited to the current social circle of the user. The aim of the project is to solve this problem through a mobile Android app which would allow users to connect with other people. The app shows public events sorted by distance, time, and the specific interests of the user. Events created by users can range from activities such as study groups for specific classes, recreational sports, game nights, and social events.

Background Information:

Target Audience

Our target audience is people who are looking for like-minded individuals that share common hobbies or interests. A large number of people have very specific hobbies that they love, but often do not know many others who share their specific interest. College students are a great example. Many new students come from far away and are leaving their highschool friends behind to meet new people.

Current methods

Current methods of finding events are Facebook Local, Foursquare, or just asking a friend. While these can be very useful for organizing events, our app will focus more on hobby-based events and joining events from people that you do not know. Our app will make it easier for users to discover new interests and hobbies, which is a feature existing solutions do not provide. Rather than displaying events based on preexisting communities, like Facebook, or building relationships with individual people, like Tinder, our app will connect the user to experiences. An important feature of the app will be location-based events discovery on a live map, allowing users to see nearby activities.

Functional Requirements:

1. As a user, I would like to be able to register for a Evant account.
2. As a user, I would like to be able to save a profile picture on my account.
3. As a user, I would like to be able to save my name on my account.

4. As a user, I would like to be able to save my interests on my account.
5. As a user, I would like to be able to save my permanent location on my account.
6. As a user, I would like to be able to login and manage my Evant account.
7. As a user, I would like to be prompted for a login when opening the app for the first time.
8. As a use, I would like to have the option to create a new account when prompted to login.
9. As a user I would like to have the app remember my account after logging in for the first time.
10. As a user, I would like my event history to be tied to my account and persevere across devices.
11. As a user, I would like to have a set of interests visible on my profile.
12. As a user, I would like to view a list of people attending an event.
13. As a user, I would like to optionally include a link to my Facebook account on my profile.
14. As a user, I would like to able to edit my name, photo, interests, and description on my profile.
15. If time allows, as a user, I would like to have events automatically added to my phone/email calendar.
16. If time allows, as a user, I would like to be able to create an account with my email or other authentication methods such as a Facebook or Twitter account.
17. As an event finder, I would like to view a list of event search results.
18. As an event finder, I would like to view a map of event search results.
19. As an event finder, I would like to be able to access a homepage from which I can navigate further.
20. As an event finder, I would like to be able to switch between these views.
21. As an event finder, I would like to be able to zoom in and out on the map view.
22. As an event finder, I would like to be able to pan on the map view.
23. As an event finder, I would like to be able to set radius for viewing events.
24. As an event finder, I would like to filter event searches by start time.
25. As an event finder, I would like to filter event searches by distance.
26. As an event finder, I would like to filter event searches by category.
27. As an event finder, I would like to be able to rate the events I attend, so that other users can decide to attend events based on the average event rating of an organizer.
28. As an event finder, I would like to view event organizers' ratings, to establish trust.
29. As an event finder, I would like to be able to click on an event in map view and see a description page of the event.

30. As an event finder, I would like to be able to click on an event in list view and see a description page of the event.
31. As an event finder, I would like to see my event history.
32. As an event finder, I would like to be able to sort my event history by date in either ascending or descending order.
33. As an event finder, I would like to be able to sort my event history by alphabetical in either ascending or descending order.
34. As an event finder, I would like to be able to sort my event history by distance from current location in ascending or descending order.
35. As an event finder, I would like to be able to view all the events I plan to attend.
36. If time allows, as an event finder, I would like to filter event searches by keyword.
37. If time allows, as an event finder, I would like to get push notifications for upcoming events.
38. If time allows, as an event finder, I would like to have a page of the events that the app thinks I am most likely to attend based off of my history.
39. As an event organizer, I would like to create events.
40. As an event organizer, I would like to set the location of my event.
41. As an event organizer, I would like to set the time of my event.
42. As an event organizer, I would like to set the relevant categories of my event.
43. As an event organizer, I would like to view a list of events I have hosted.
44. As an event organizer, I would like to be able to set a description of my event.
45. As an event organizer, I would like to be able to set an image for my event.
46. As an event organizer, I would like to have my event appear in search results.
47. If time allows, as an event organizer, I would like to be able to import my Facebook events.
48. As a developer, I would like the code to be well-commented and documented.
49. As a developer, I would like to receive crash and error reports, so that I can debug the app.

Non-Functional Requirements:
1. As a user, I would like my information to be stored securely.
2. As a user, I would like the app to have a welcoming aesthetic.
3. As a user, I would like to have the app open quickly and be responsive.
4. As a user, I would like the app to have an easy-to-use interface.
5. As a user, I would like for results to appear quickly after searching within a radius.
6. As a user, I would like to be able to see buildings, roads, and other landmarks on the map view.

7. As a user, I would like the map view to show color-coordinated pins for events.
8. As a user, I would like the list view to show the name, time, and location of an event.
9. As a user, I would like the app have minimal impact on my battery.
10. If time allows, as a user, I would like to import information from my Facebook profile to my Evant profile.
11. If time allows, as an event finder, I would like to see automated inclusion of official Purdue events.
12. As a event organizer, I would like my profile to display my rating.
13. As an event organizer, I would like all mentions of my event to link to its description page.
14. As a developer, I want to develop this solution with Android Studio.
15. As a developer, I want the app to have a distinctive brand, such as a mascot.
16. As a developer, I want the user information to be stored in an organized SQL database.
17. As a developer, I want to self-host the backend on a Raspberry Pi machine.
18. As a developer, I want to have a shared git repository among team members to keep track of changes.