

Product Backlog - Roost

Team 18:

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Problem Statement

Some interests or activities require more than one person to do them, and sometimes finding other people who want to do the same activity is hard. We aim to solve this problem by providing a way to locate others in the area with the same interest or activity. This app would be unique because it will be cross-platform, and we will help create ways to manage groups of people with the same interest, which is different from our main competitor, InCommon, that only helps people find a friend who has more than one common interest with the other person in question.

Background Information

- a) In a busy world, it can be difficult to find the time to get groups of people together to participate in activities that require several people. Whether it be because you just moved to a new area or because you don't have friends who share common interests with you, it can be frustrating when you are left with nothing to do. Roost solves this problem by helping you find people who are looking for something fun to do. The domain of Roost is anyone who lives in an urban area and has an android or iOS device. Roost targets people who have an idea of something to do and needs people to join in or people who are bored and are looking for something to do for fun.
- b) The main competitor of our app is InCommon, which is an app that helps people find friends. This is done strictly by looking at all of the user's interests, and they go through each person's profile one-by-one trying to find a friend. Another competitor is Vina, which is an app that helps women find female friends by using a Tinder-like interface. It also matches people by all interests they list instead of a specific one.
- c) InCommon and Vina are great applications for finding possible friends in your area who are similar to you. However, these applications are very exclusive and requires both people to match each other. Services that use matching systems have their downsides. Matching someone with similar interests and being in a one-on-one environment with that person might be awkward or intimidating. Roost aims at solving this problem by allowing users to create and join group activities with the touch of a button and allowing users to venture out of their comfort zones and meet people who want to do the same activity. This gives users common ground, the ability to create lasting friendships and have fun while playing activities of your choice.

Requirements

Functional

- As a user, I would like to
 - be able to choose whether I'm a new or existing user
 - create a new user and automatically be logged in after registering
 - login into my already existing account
 - be able to logout of my account
 - Be able to add profile information
 - Set how far I am willing to travel for an activity
 - Join a group chat once I find an activity
 - Save favorite contacts
 - See my legal rights as far as information and data usage permits
 - Search through popular random activities
 - Add activity to activity board with specified max group size
 - Filter activities by category
 - See amount of activities participated in for past month (if time allows)
 - See users interacted with in which activity for the past month (if time allows)
 - Be able to turn on push notifications app-wide for group chat
 - Be able to turn off push notifications app-wide for group chat
- As a group member, I would like to
 - Send the past 200 messages in a group chat
 - See all the users in the chat
 - Invite a particular person to the group chat
 - Leave a group chat when I'm no longer interested
 - Create polls to make group decisions with a selected duration
 - Participate in polls created in a group chat
 - View results of poll in a group chat
 - See how many users are in a chat
 - See who invited someone to the group if they decided to join
 - See that previously kicked users cannot rejoin the group chat they were kicked from
- As a group leader, I would like to
 - Be able to kick people out of the group
 - Close the group or not allow people to join/see on activity board
 - Delete the group
 - Be able to reopen a closed group
 - Have random teams selected if I need a team for my activity (if time allows)

Non-Functional

- Need to be able to use GPS locations
- Have a working backend in C# that stores user data in DynamoDB (secure)

- Google Maps integration
- Have a functional frontend in react native (cross-platform compatibility)