



arBit

10/8/2019

The future of decision making



Team Name:

Twelve Articles

Team Members:

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Product Owner: Jason

Initial Scrum Master: Alan



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Problem / Opportunity:

Choosing single place to do outing or event with multiple people may be challenging. This app allows for everyone, in a group, to select event of their choice and whole group can then vote for final event place. In short, it helps indecisive people decide.

High Level Goals:

- (1) Using databases to allow users to input choices (food, things to do, etc)
- (2) Display all the inputted choices to all users in real time
- (3) Users ranks choice from 1 to n number of choices (each number can be used only once)
- (4) Compute sum and return highest voted item
- (5) Incorporate third party APIs to display various choices instead of manually inputting

Sprint 1

- **User Stories:**

- As a user, I want to be able to open the app and create an event. (1)
- As a user, I want to be able to input decision of my choice. (1)

- **Infrastructure tasks** (acquiring tools, setting up environment)

- React Native
- Firebase
- Github
- Trello
- Slack

Sprint 2

- **User Stories:**

- As a user, I want to be able to see everyones proposed choices. (1,2)
- As a user, I want to be able to rank each choice. (3)
- As a user, I want to see the result of votes. (4)
- As a user, I want to be able to create event room, to host an event vote. (1)

- **Spikes:** Google, Yelp API

- **Infrastructure tasks:** React-native and Firebase incorporation

Sprint 3

- **User Stories:**

- As a user, I want to join a room so that I can be part of an event. (1)
- As a user, I want to be able to edit/delete my choice so that I can have freedom of will. (1)
- As a user, I want to be able to select place of choice from Yelp or Google. (2,5)
- As host, I want to be able to have powers to break ties so that we make a final decision. (3)

- **Infrastructure tasks:** React-native and Firebase

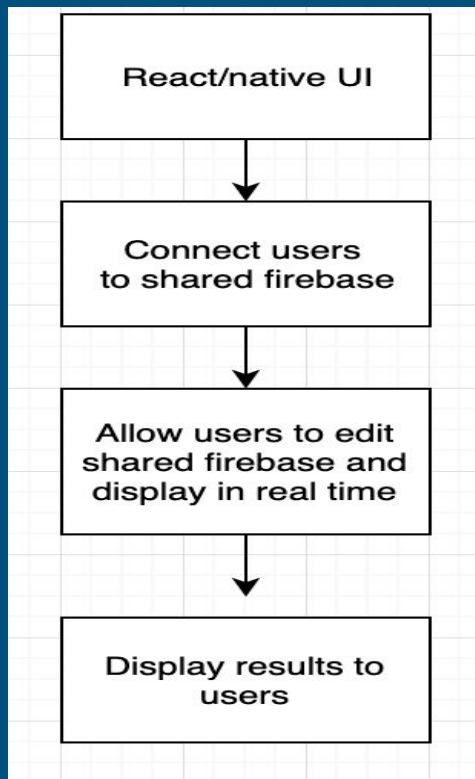
Sprint 4

- **User Stories:**

- As a user I want to be able to comment so that I can convince people on picking my choice. (3)
- As a user, I want to have veto powers so that I can prevent going to a place I dislike/eating something I dislike, etc. (3)
- As a user, if my choice ends up winning, I want to see a victory animation and music. ()

- **Infrastructure tasks:** React-native and Firebase incorporation

Very Basic Architecture



Challenges / Risks

- **React Native** - New/unfamiliar technology
- **Firebase** - New/unfamiliar technology and integration with React Native
- **Google and/or Yelp API** - Integration with our app

Technologies

Javascript

React-native

Firebase

Yelp/Google APIs

Git/Slack/Trello

Minimum Viable Product

- Description:
 - A user should be able to create/join a room. Be able to add choices, view everyone else's choice, and vote. Users should see the winner after voting.
- User Stories:
 - As a user, I want to be able to open the app and create an event.
 - As a user, I want to be able to input decision of my choice.
 - As a user, I want to be able to see everyone's proposed choices.
 - As a user, I want to be able to rank each choice.
 - As a user, I want to see the result of votes.
 - As a user, I want to be able to create event room, to host an event vote.
 - As a user, I want to join a room so that I can be part of an event.