

Product Backlog

(Project Name: EZDecide)

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Problem Statement

Today, many people find it is difficult and even frustrating to make a decision on their own. Although there are various “decision maker” in the market (dice, pendulum), they are not convincing and effective enough to really help people making decisions as far as we concerned.

Background Information

Decidophobia, the fear of making a decision, has been increasingly prevalent among people everywhere in the world nowadays. Be it teenagers or adults, or even the senior, it is not uncommon that many of them become easily frustrated when having to make some decisions. In order to address this issue, we plan on developing a helpful, effective solution, where people post problems they are facing and other people vote for a decision they would make. “Bedloo voting” is an existing similar application, which however tend to have negative user experience that many users do not know what to do on the app. Our goal is to build a more powerful application with intuitive user interface and statistical analysis of the polling results that can really help the users.

Requirements

Functional Requirements

Login / Register

1. As a user, I would like to register an account with email.
2. As a user, I would like to login with my social network account (e.g. Facebook, Google+).
3. As a user, I would like to enter my information when I first login, such as username, date of birth, constellation, gender, etc.)
4. As a user, when I forget my password, I would like to reset it.
5. As a user, I would like to change my password.
6. As a user, I would like to be able to upload my own avatar.

Browsing

7. As a user, I want to view other users' posts.
8. As a user, I want to be able to vote in a user's post.
9. As a user, I want to filter posts to meet my interest.
10. As a user, I want to write comments on posts.
11. As a user, I want to be able to view post by different order (by post time, by popularity).
12. As a user, I want to know how many people have viewed the posts.
13. As a user, I want to know how many people have voted for the posts.
14. As a user, I want to see other users' posts on their profile views.
15. As a user, I want to see other users' profiles by tapping their avatars.
16. As a user, I would like to see the data analysis of the post.
17. As a user, I would like to share the post to other social network app.

Posts

18. As a user, I would like to post my issue in detail.
19. As a user, I would like to post two to four pictures as my potential decisions.
20. As a user, I would like to label each of my potential decisions.
21. As a user, I would like to upload pictures from my photo library or camera.
22. As a user, I would like to limit my post voted users meet certain criteria(gender, age).
23. As a user, I would like to post anonymously.
24. As a user, I would like to give my post a category.
25. As a user, I would like to select availability for my post (e.g. public, only a group of people, people who followed me)

Search

26. As a user, I would like to filter posts by categories (e.g. Shopping, Relationship, etc).
27. As a user, I would like to search posts by keywords.
28. As a user, I would like to search other user by username.

Behavior Control

- 29. As a user, I would like to report bad users and posts.
- 30. As a user, I would like to block certain user's posts.

Social

- 31. As a user, I would like to follow other users.

Notification

- 32. As a user, I would like to receive the notification of the post that I have voted, when the decision has been made.
- 33. As a user, I would like to receive the notification when other users make a post that let me make decision for them.
- 34. As a user, I would like to receive the notification of the users that I have followed when they make a new post.

Data Analysis

- 35. As a user, I would like to see the voting result by gender.
- 36. As a user, I would like to see the voting result by age range.
- 37. As a user, I would like to see the voting result by constellation.
- 38. As a user, I would like to see the overall voting result.

Non-functional Requirements

Security

Logins should be encrypted with bcrypt or a similar technology to ensure that they are well protected and secured. All passwords will be sent encrypted or sent over an encrypted channel such as HTTPS. All data should be sent over HTTPS or a similar traffic encryption technology as well to ensure no data is leaked.

Appearance

The application should be visually pleasing to look at and use. It will have a graphical interface for all interactions, and will be designed around touch screen controls. The interface will accommodate all aforementioned features in an intuitive design. It will also include a unique launch icon.

Performance

Facebook and Google logins will be quick because they use their own servers, so we need to make our own logins speedy and secure at the same time. A user shouldn't have to wait more than a few seconds for a login (on a fast, optimal network condition). Getting user data should also take no more than a second to be retrieved from the server and delivered to the client. (On non-network dependent content, such as images and posts)

Hosting and Scalability

The application will be deployed on Firebase. It will also help with scalability as we can simply upgrade to Firebase-Pro account distribute and handle additional load as more users join and use EZDecide.