

Requirement Analysis

Details of the client's expectation

1. Client prefers a cross-platform application.
2. This application is expected to support hundreds of charities in Australia and can be used by thousands of people.
3. It targets at middle-aged people (18-35 years old) and only charities verified by ACNC can enter this app.
4. Nobody else can receive the fund from the app. This app is only used to help people donate to charity
5. There is no similar product in the market. Only some websites now. (ACNC from government, THE IMPACT SUITE)
6. It is expected that users can sign up or log in with their personal email address or some other third-party verification.
7. It is expected that every payment can be paid by PayPal or other trustworthy way, considering that users may not want to show their bank information directly.
8. Any payments are expected to be confirmed (pop-up window or so) through fingerprint or password
9. Hashtags can be generated by users and charity accounts, while category is set by app and users can choose related items from category. Both hashtags and items from category can be searched.
10. Supporting and supporters in the app is just like following and follower. It is not necessarily that users in the account's supporting will donate to this account.
11. Charity's rating is expected to be collected from sources: CHANGE PATH. Rating and comments about the charity can be shown in detail.
12. The bar at the bottom is like a navigator and will keep all the time. When in different sections: HOME FEED, SEARCH, EXPLORE, ACTIVITY and USER PROFILE, the section will be highlighted.
13. Message on the top left is only about personal messages. Information about users' being mentioned and being supported is expected to be shown in ACTIVITY - you.

Stakeholders Analysis

1. Client:
 1. Our client is not a technical person, which means she might not understand some technical concepts and cannot always precisely estimate the cost of a certain feature.
 2. She provides a basic UI model of her idea, which presents her ideas well.
 3. Our client is enthusiastic about the project. It is rather convenient to contact our client for us and a regular weekly meeting is scheduled.
 4. Thus, we need to keep a close contact with our client to make her aware of our progress. And we need to try to explain our ideas in a plainer way so that she can have a better understanding, which is beneficial to reducing the gap between her expectation and the real product.
2. Common people(Users)
 1. Our target is young people aged 18 - 35. They usually have a bit of income and are passionate about charity. Some people may be willing to donate money to charity while the traditional way of donating money is rather inconvenient.

2. For our target, they usually prefer a more interactive user interface and the function of chatting and recommendation might be attached great significance.
 3. Hence, we need to learn from popular social application like Instagram, Facebook. And a good-looking UI and functions of social communication ought to be rather important.
3. Charity
1. The charity organisations which are accredited by ACNC will be taken into consideration. For most charity organisations, donations have to be conducted using a website. And by integrating the pages of different charity organisation in a mobile application, the charity can be known by more people and more donations will come
 2. It is expected that some of the charities will use our application, and we can guarantee them the rights to edit the profile themselves. For other charities, we can get the information from third party source.

User Story

1. As a user, I want to
 1. use this application by email so that I can sign up & log in to the system using email address (A1.3)
 2. add labels about my interests so that other users can know me well and system can recommend my preferred information to me (A1.4)
 3. edit my personal profile so that other users can know me well (A1.2)
 4. log in this application by third party so that I can sign up & log in to the system using third party verification (A1.1)
 5. search information using this application so that I can explore the list of charities and their information (C1.1)
 6. add comments to the page of charity so that I can let them know my thoughts (D2.1)
 7. explore the activities of my supporting and supporters so that I can know what they do (C1.4)
 8. chat with other users so that we can exchange ideas (D2.2)
 9. donate money to charity & other users by credit card so that I can help them (D1.3)
 10. donate money to charity & other users by PayPal so that I can help them (D1.1)
 11. claim for refund so that I can get back my money for emergency (D1.5)
 12. search information by name of charity so that I can get what information I want easily (C1.1)
 13. search information by hashtags so that I can get what information I want easily (C1.3)
 14. search information by categories so that I can get what information I want easily (C1.2)
 15. choose my interested type of posts so that I can view recommended posts (C1.6)
 16. view popular posts so that I can get more information of what is popular (C1.5)
 17. view how much already got for a particular activity so that I can know whether i still need to donate (C2.8)
 18. my payment details to be protected so that my information will not be stolen (D1.6)

19. choose particular amount to donate so that I can donate particular amount (D1.4)
20. see the rating and comments of certain charity so that I can know how good the charity is (C2.6)
21. look at the logo of charity so that I can find interesting charity (C2.7)
22. see the full size of the posts so that I can see them clearer (C2.4)
23. see time of the post so that I can how long it is posted (C2.3)
24. see if there is a message so that I will not miss any message (D2.4)
25. see if I am mentioned by other users so that I will not miss any mentions (D2.3)
26. change my profile photo so that other people can know me well (A1.10)
27. edit my preferred language in setting so that I can use my preferred language (A1.8)
28. block other users so that I am not disturbed by them (A1.7)
29. scroll left to right so that I can view more pictures (C2.1)
30. notification for confirmation before payment so that I will not spend money by accident (D1.7)
31. click the chogo so that the name of charity will appear (C2.2)
32. record my payment so that I can view the record to see how much I spend monthly (A1.9)
33. upload 10 profile photos so that other users can know me well (A1.11)
2. As a speaker of a charity organisation, I want to
 1. edit the charity profile, so that people will have understanding about the charity. (A2.1)
 2. edit the activities so that I can plan activities for my organisation (B1.2)
 3. collect the donation from users so that I can use this money to do something meaningful (D1.2)
 4. use hashtag and categories so that my posts can be found by people easily (B1.1)
 5. label myself so that people can find me by their interests(A2.2)
 6. add how much donation I want for my activity so that I can let people know more about my activity (B1.4)
3. As a maintainer, it is required that
 1. the database can store a large scale of information of users so that I can gather all the information (A1.5)
 2. database can be changed manually with approval so that I can maintain database easily (A1.6)
 3. the system can work concurrently for many users at the same time so that it will be more efficient (D2.5)
 4. the averaged responding time for the application is less than 1 second so that it can save time (C2.5)
 5. check all the posts so that all the posts of charities are good and meaningful (B1.3)
 6. check verification of charities so that the charity is recognised(A2.3)