

Feature	Justification	Building(Yes/No)
Sign up	The user needs to create an account. This account will be in our database and linked to his/her future actions on our platform. This account information is useful for the user to login to the app.	Yes
Log in	The user needs to login to the app by specifying his/her username and password in order to use it, this step ensures the user's security and privacy.	Yes
Profile Setup (including three steps, education, interests and specific categories of interests, and bio)	Through our interviews, we found out that people tend to have conversations and keep friendships with people they share common interests with. In order to provide better suggestions of potential friends to the users, we need to have users set up their profile by selecting their interests.	Yes
Upload and display the profile picture	Profile pictures give some visual aids to users. It livens up the profile card. It helps other people to identify you. It help you to express yourself.	Yes
For a specific user, calculating similarity he/she has with other users, and choose the top 5 users with the highest similarity	We are going to provide suggestions of potential friends with high similarity to the users, therefore, an efficient algorithm with high efficiency is important.	Yes
Progress page while matching algorithm executing	Showing the progress page while the matching algorithm is executing is beneficial to avoid matching errors.	Yes
Display matching profiles to the user (including profile pictures, gender, major, tags of interests, and	The user needs to see his/her matches and the match's profile to find new friends. Also, the content of the profiles needs to be organized in a pleasing way so that the user can easily capture the important information of their potential	Yes

similarity)	friends.	
Swiping to see matching profiles	All matched profiles will be interactively seen by swiping from left to right, this saves users the trouble of scrolling up and down a long page which is user-friendly.	Yes
Display the percentage of similarity	Users would feel happier to talk to a potential friend with high similarity, so displaying that information to the user is important. Also, using a pie progress bar in addition to the percentage number gives a more direct visual impact on the user.	Yes
Add impression tags about other users	Impression tags tell what other people think of you throughout their interaction with you. It will prompt users to be nice and friendly when interacting with other people because people can report inappropriate behaviors. It allows the user to have an initial impression of what another user is like before starting a friendship with that person.	No
Profile management	It is common that the user wants to change his/her profile after he/she used the set up his/her profile for the first time, so it is allowed to change the profile setting.	Yes
Display the matched users that I have chatted with as my friends on my profile	Users want to see who their friends are and chat with them. They could find this person directly from their profile. This will be very convenient if the user has a habit of deleting the chat boxes or there are too many chat boxes.	No
Display matched groups	In addition to having suggestions on potential friends, the user will get suggestions on group chats that he/she is interested in based his/her profile. In the group chat, the user can chat with a bunch of people with similar interests, it	No

	is a faster way to make more friends.	
Search groups by keyword	It is convenient for the user to find a group that he/she is interested in by searching with specific keywords.	No
Find groups by categories	If the user just wants to browse around what groups are out there, they can go under a specific category (a category of their interests) and see all the groups that were created under that category. This is suitable for users who don't have a specific topic in mind.	No
Create a group	The user should be able to create a new group to invite people with the same interest as him/her. The user could find more potential friends with the same interest by creating a group, or organize events within the group.	No
Selecting people to join a group	The user can select his/her friends when creating a group or invitation his/her friend to join a group that the user is in. This introduces more users to other like-minded users that share similar interests with one another. This allows users an increased chance of the people in the group developing friendships.	No
Join a group	If the user saw a group he/she is interested in, he/she should have the ability to join the group and meet friends that also have this common interest.	No
Chat with users inside the group	Chatting functionality is necessary for people to communicate within the group.	No
Chat with a matched user	Chatting functionality is necessary for two people to communicate with each other. People know their potential friends by talking to them. People keep a friendship fresh by communicating with them regularly.	No

See all the chats	Users should have a record of all current and previous chats so that they can see the conversations and friendships and groups that are participating in. Having a collection of all chats in one place gives convenience to the user and promotes longer usage of the app.	No
Post updates on my profile	Users should be able to post anything they want to share about their life on their account so that his/her friends can see.	No
Manage my posts	Users should be able to edit or delete their posts to organize what posts they want to see and which ones are no longer needed.	No
Log out	The user should be able to log out from the app so other users can use this app on the user's device. This also improves security for the user's account because using the application on a public device is a security risk and puts the user in danger of other users potentially using his/her account.	Yes