



Sprint 2 Planning Document

Team 12

Zuoyang Ding

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Kenny Zheng

Sprint Overview

During the first phase of the second sprint, we plan on completing all the remaining tasks left from sprint 1 by the end of the first week, and for the remaining time of sprint 2, our main concern is to complete chat functionality of our project. We had divided our team members up accordingly to their expertise and comfortable. Since the main concern for this sprint is chat, minimum of two members will be working on chat functionally full time while having one member updating the UI, one member working on group functionally and another member working on personal / user profile settings.

Scrum Master: Weichu Hu

Meeting Plan: Monday/Thursday/Friday LWSN Building (7:00pm - 10:00pm)

Risks and Challenges:

There is a large amount of work planned for this sprint, including several user stories from sprint 1 that are not yet completed. Since we spent a lot of time in Sprint 1 to fully understand the functions of Firebase, there should not be many challenges regarding that. Our main challenge for Sprint 2 is to complete all tasks according to schedule because our team wasn't able to complete all Sprint 1 user stories on time. Every team member needs to strictly follow the schedule and commit to his/her branch once a task is finished.

Remaining tasks from Sprint 1

User Story #2:

As a user, I want to be able to use my favorite nickname (which can be the same as others).

#	Description	Time	Owner
3	Fetch user's nickname from database and return to frontend	5hr	Weichu Hu

Note: the user should be able to see the changes even when login again(replace all the placeholder value with the newly fetched data)

User Story #3:

As a user, I want to be able to see the groups around me.

#	Description	Time	Owner
1	Module UI design	5hr	Wendi Zhang
2	Using google api to get location information to client (Done) use google api to determine the city of current location(new requirement, should be implement in sprint 2)	5hr	Siyu Jiang
3	Update location and city to firebase (Done)	3 hrs	Siyu Jiang

User Story #4:

As a user, I want to be able to join a group.

#	Description	Time	Owner
1	Module UI design	5hr	Wendi Zhang
2	Fetch user's information and store it to the correct group class	5hr	Kenny Zheng
3	Fetch correct group information and return it to frontend	5hr	Kenny Zheng

User Story #5:

As a user, I want to be able to create a group with topic tags I like.

#	Description	Time	Owner
1	Module UI design	5hr	Wendi Zhang
2	Fetch topics from frontend and create a new group class in database(Done)	7hr	Siyu Jiang
3	Fetch the group information just created and return it to frontend(Done)	5hr	Siyu Jiang

User Story #6:

As a user, I want to be able to make a temporary group become permanent before it expires (when I think the topics and people in the group are interesting).

#	Description	Time	Owner
1	Module UI design	5hr	Weichu Hu
2	Record the time after the group been created(Done)	5hr	Siyu Jiang
3	change the group type from temporary to permanent in a group class to prevent it from deleting after time session expired(Done)	4hr	Siyu Jiang

User Story #7:

As a user, I want to be able to exit from a group.

#	Description	Time	Owner
3	Find the correct group class and delete the user information in that group class (update group information in database)	7hr	Kenny Zheng

User Story #25:

As a user, I want to be able to log in with my own email and password

#	Description	Time	Owner
1	Let users login with their own email and password (since the google login API is not stable to different android version)-(Done)	7hr	Zuoyang Ding

Acceptance Criteria:

- After the app opening page, user can choose from login or register
- Input email and password will and press login will let user login if this account exist
- Choose register, user will go to page that input the user email and password to register as a new user

Sprint 2 Tasks:

User Story #10:

As a user, I want to know when the group will be disbanded.

#	Description	Time	Owner
1	Module UI design	3hr	Wendi Zhang
2	Calculate the timestamp of the group	5hrs	Siyu Jiang
3	Update the UI when a group is to be disbanded	3hrs	Siyu Jiang

Acceptance Criteria:

- Given that UI is successfully implemented, user should be able to see a clear indicator on UI showing the status of group.
- Given that the time stamp function is correctly implemented, the UI will be update in different period of timestamp.

User Story #11:

As a user, I want to check history messages in a group within 24 hours. (chat function + time count function)

#	Description	Time	Owner
1	Module UI design	3hr	Wendi Zhang
2	Modify group data structure to contain messages	10 hrs	Zuoyang Ding + Kenny Zheng
3	Implement function that store and fetch messages in device and firebase accordingly	10 hrs	Zuoyang Ding + Kenny Zheng

Acceptance Criteria:

- Given that UI is successfully implemented, the users should be able to scroll through messages fluently.
- Given that group data struct is correctly implemented, a group should be able to contain messages within it
- Given that fetch function is correctly implemented, the user should be able to get messages they want

User Story #12:

~~As a user, I want to sort the groups by tags.~~

Update: As a user, I want to search the group by tags

#	Description	Time	Owner
1	Module UI design	5hr	Wendi Zhang
2	Using the filter function in firebase to filter all the class needed	5 hrs	Siyu Jiang
3	fetch all the qualified class from firebase	5 hrs	Siyu Jiang

Acceptance Criteria:

- Given that UI is implemented correctly the user should be able to search in search bar
- Given that the firebase function filter is used correctly, qualified class will be included
- Given that fetch function is implemented correctly, the client side program should update all fetched class correctly.

User Story #13:

As a user, I want to be able to vote to decide whether a group will become permanent.

#	Description	Time	Owner
1	Module UI design	5hr	Wendi Zhang
2	Impelement function that collect and count users' votes	4hrs	Siyu Jiang
3	When the vote meet the requirement, restore the whole group into permanent class	5hrs	Siyu Jiang

Acceptance Criteria:

- Given that UI is implemented correctly, the users should be able to see a vote button

- Given that client side function is implemented correctly, the program should be able to update votes in firebase accordingly
- Given that backend function is implemented correctly, the group will be restored into permanent class, and the old temporary group will be removed.

User Story #14:

As a user, I want to be able to send pictures in group chats.

#	Description	Time	Owner
1	Module UI design	3hr	Wendi Zhang
2	Display images sent by users in group chat	10hr	Zuoyang Ding + Kenny Zheng
3	Fetch images from local library	10hr	Zuoyang Ding + Kenny Zheng

Acceptance Criteria:

- Given that the backend function is successfully implemented, the user can check the posted images which posted by the user in 24 hours
- Given that the backend function is successfully implemented, the user can upload images that are stored in local device

User Story #15: (Already included in sprint 1) (This function is already included and implemented in Sprint 1)

As a user, I want to be able to modify my personal profile. **(combine with # 16)**

User Story #16:

As a user, I want to be able to see profile information of others.

#	Description	Time	Owner
1	Module UI design	3 hrs	Wendi Zhang
2	implement function that determines the user information to be accessed when the users icon is pressed	5hrs	Weichu Hu
3	implement function that fetch user information accordingly, make a local	5hrs	Weichu Hu

	save if necessary		
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Acceptance Criteria:

- Given that UI is successfully implemented, a user can see other user's' avatar when chatting.
- Given that client side function is correctly implemented, the program should know whose avatar is pressed, and fetch data accordingly.
- Given that fetch function is correctly implemented, the program should be able to get correct user profile form firebase and rendering UI accordingly.

User Story #17:

As a user, I want to be able to protect my personal profile and only display with certain users.

#	Description	Time	Owner
1	UI design	3hr	Zuoyang Ding + Kenny Zheng
2	Implement function that change the profile privacy setting	10 hrs	Weichu Hu
3	Implement function that check the permission every time when user's profile are accessed	10 hrs	Weichu Hu

Acceptance Criteria:

- Given that the UI is correctly implemented, the users should see an option to change their privacy preference
- Given that the client function is implemented correctly, the privacy preference of a user can be changed accordingly
- Given that the backend function is implemented correctly, the permission will be checked every time when user's profile is requested by other users.

Remaining Backlog (17/24 Stories Complete)

- ~~1. As a user, create an account through my current Google account~~
- ~~2. As a user, I want to be able to use my favorite nickname (which can be the same as others)~~
- ~~3. As a user, I want to be able to see the groups around me.~~
- ~~4. As a user, I want to be able to join a group.~~

5. ~~As a user, I want to be able to create a group with topic tags I like.~~
6. ~~As a user, I want to be able to make a temporary group becomes permanent before it expires (when I think the topics and people in group are interesting)~~
7. ~~As a user, I want to be able to be removed from a group.~~
8. ~~As a user, I want to be able to upload and change my avatar as I want.~~
9. As a user, I want to able to sort the group by activeness.
10. ~~As a user, I want to know when the group will be disbanded.~~
11. ~~As a user, I want to check history messages in a group within 24 hours.~~
12. ~~As a user, I want to sort the groups by tags.~~
13. ~~As a user, I want to be able to vote to decide whether a group will become permanent.~~
14. ~~As a user, I want to be able to send pictures in group chats.~~
15. ~~As a user, I want to be able to modify my personal profile.~~
16. ~~As a user, I want to be able to see profile information of others.~~
17. ~~As a user, I want to be able to protect my personal profile and only display with certain users.~~
18. As a user, I want to be able to report particular users with inappropriate activities.
19. As an administrator, I can delete or ban a user who have inappropriate activities or reported by other users.
20. As an administrator, I can delete or ban a group which used for discussing illegal information.
21. As a user, I want to find a roommate by this app (if time allows).
22. As a user, I want the Android application to be responsive to all user requests.
23. As a user, I want both the client and server to gracefully handle errors and the failure of other components that they interact with.
24. As a user, I want the server design to scale to support additional load without requiring any change to the API or client code.