

Meeting: 2021.3.10 Wed 12pm

Update (What's get done):

Charffy: set up the firebase database; create Classes:

1. DiscussionActivity: has connection to Question, but still needs ArrayAdapter to be set up, this has to deal with the CustomList from the lab; create a layout for it for adding questions.
2. Question: maybe need to be an activity itself, since a Question class alone doesn't do many things, so it actually should be QuestionActivity, create a related layout for it, for adding replies; still need ArrayAdapter to be set up for replies list view.
3. Reply: may need to be changed to an attribute in Question?
4. Post: abstract class for Question and Reply, if Reply is changed to an attribute inside Question, so maybe no need for this?

Caleb: Finished experiment_content, created and added methods to User, Profile classes, started experimentList which is the custom list. Worked on GUI for the profile. Added a few comments but nothing is finalized. Looked at how to set and retrieve the UID for the user (not pushed as it is very rough).

Ananya: Set up dependencies for implementing maps. Current location of the device can now be observed. Added Javadocs for public classes / methods.

Marzook: set up Trial class and implement adding different trials.

Anthony: Almost finished Generate QR, Set up dependencies for opening the camera, Created scanning UI, Created classes for scanning Barcode and QR Code

Anisha: Experiment class, location class and added attributes to statistic class(need to work on the methods in statistic class) along with javadocs comments for the same

Sprint Planning:

User Stories (updates):

Ananya : Changed user story Issue 21's story points from 5 to 12.
Implementing and working with maps is harder than originally anticipated.

Assigned tasks:

Charffy: delete Reply, Post class maybe, instead making a Question object class, change the name of the current Question class to be QuestionActivity class. Set up ArrayAdapter to the listview in DiscussionForum and QuestionActivity, finish the design of DiscussionForum and QuestionActivity layout, the listview layouts.

Caleb: Work on custom list for experiments in searching, finish user and profile class, give it javadocs, get proper connection to firestore for UID

Ananya: Get location from search bar or from clicking on the map.
Store location in an object that can be passed to trial/experiment activity classes. Begin unit testing.

Marzook: Add a location icon to the trials page, create a navigation page in the experiment description. Make java docs

Anthony: Finish Generate QR, Get scanning to work, Create unit tests, Make Javadocs

Anisha: Implement GUI, checkout DB, add ExperimentActivity

Before next meeting:

1. **Sprint Review**: get the feedback from the Alex, addressing feedbacks in the feedback google doc (everyone should write down something you think is important from Alex's suggestions)
2. **When you create test classes**, make sure you have ".....Test" in the name. (a general test class that is responsible for testing methods from classes that have close collaboration)
3. **UML**: fix the UML to meet your requirements of the code.

4. **Product Backlog:** update the user stories when you meet some issues. (add comments under that issue on github)
5. **Update storyboard:** very last thing do. (everyone makes some notes himself if he wants to make some changes in the storyboard in the end)

Plan for next meeting: (Fri)

1. Finish the individual parts of the code (at least 70% complete)
2. Implement feedback from Alex into your codes.
3. Get tasks assigned for the coming weekends.

Resources:

Question related with User ID

From Alex:

“I believe Firebase creates an ID when you use add() to add a document to a collection. You can access the ID of the document using `DocumentReference.id`.

Unfortunately, things get tricky if you want to generate the ID via Firebase before adding the document so I think it might be worth looking at setting the value of the model layer user id after the user has already been created in Firebase using the `DocumentReference.id`.

I think this would be better than having separate model layer and DB UUIDs.”