

Half of the season report

2022 - 2023

[IT Mobile Application]

1 - Meetings:

- In the beginning of the year, we have conducted about 4 offline meetings each is 4 hours in which we taught the members flutter and how to use it and explained for them the main concepts and best practices in the technology to be able to work on the application and start building it correctly.
- We took the whole first term in these meetings and I named it the **learning phase**, because our members were learning the new technology and practicing by solving and building the applications we asked them for.
- We asked from them to make about 4 different applications with flutter and they told us that they actually learned a lot from them.
- After that I did a preparatory meeting one day after the final exams to put the plan on which we will follow during the vacation to make use of this time, so I told them that we will be working for 8 hours a day for 5 days per week, and I know that was a too much, but I wanted to make them feel like they are in a real software company and enhance their skills of coding and to make a good environment of work, and I was stunned when I saw that some of them achieved this number and one of them has exceeded it.
- Also, I told them that we will divide our team into 3 sub-teams.
 - 1- **designing team:**
this team is responsible for designing the application and the UI of the application and try to make the best UX for the users.

2- **Testing team:**

This team should be responsible for testing the features which we implement and test our backend and make sure that our application is working correctly

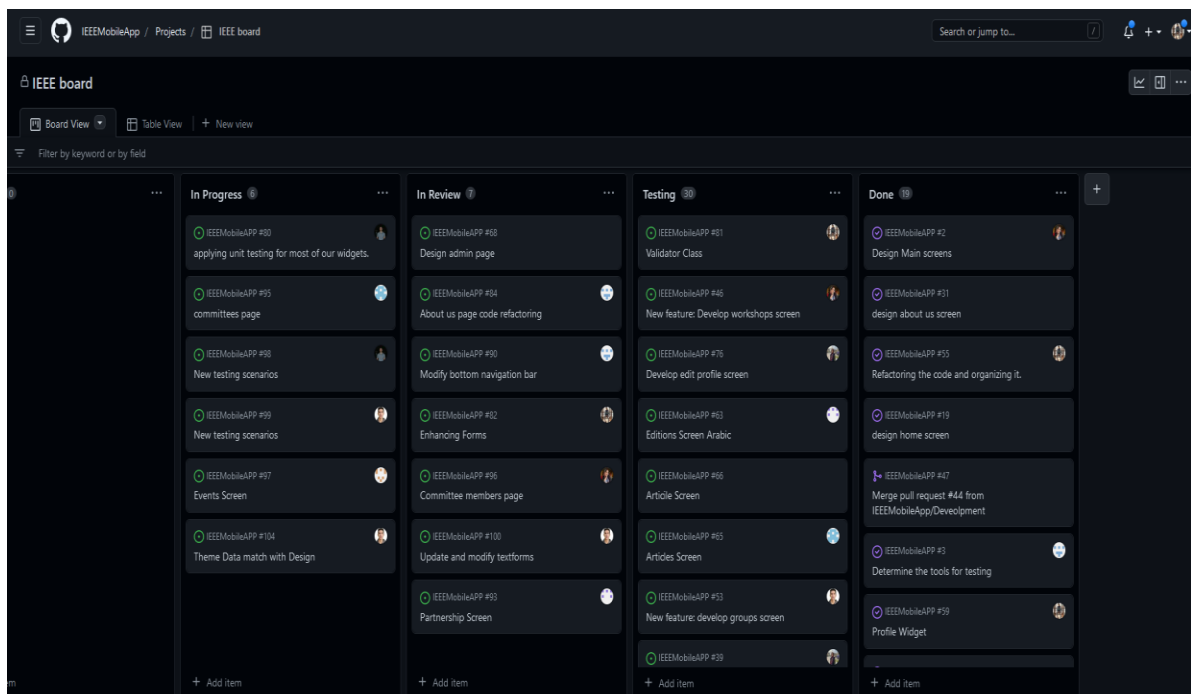
3- **Development team:**

This team is responsible for writing the code for the application and implementing the core of our application and try to make it as we designed it.

- And we decided to make meeting every 3 days as we call it in software (sprints)
- In each sprint we design, test, and develop.
- So, we made about 6 or 7 online meetings and built our application.
- And before the beginning of our second term I asked them to have a meeting to plan how we are going to do during this term and we decided let the 8 hours per day technique and follow a tasks technique in which I and Sherief provide them tasks and they should get them done, however the time they take, and extend the duration of the sprint to be one week instead of 3 days, and I accepted.
- And we made about 3 meeting during this term, in which we designed some of our UI and decided which features should be done
- Also I got a meeting with web team to check how we are going to connect our mobile application with our Database instead of creating a new one which stand alone.

2-Tasks:

- As I mentioned above that I divided our work into sprint
- In each sprint me, Sherif or the members themselves, add new issues on our repository on Github in the backlog and start working on them.
- We have done about 62 tasks.
- And here is a screenshot for our board



3-Achievements:

- I believe that I have achieved most of my goals in this position which are:
 - 1- I have build a very good team which has a huge energy to work on our application and provide it with all the required features.
 - 2- I made them love this place and most of them told me actually that IEEE have taught them a lot and they wish if they were in this place before

- 3- Two members wants to be head in the next season which are Nour El-Din and Rana Essam, and they are excellent for this position.
- 4- I taught them some new skills and new technology that they might one day work with and gain money from them.
- 5- I enhanced my vice-head presentation skills and provided him with self confidence and he told me that he has learned a lot, and he did a full session without me, while at the beginning of the year he told me that he is never capable of doing such thing, and when he was going to do this many members sent me a message inbox that they don't want to attend and want it to be online at least but I refused and convinced them to attend and they actually did and after that you told me that it was a good session, but of-course he don't know this so please keep it as a secret.
- 6- I built the base for this new committee and built the basis for our application, it may not work this season because there are a lot still to be done, such as connecting the application to the backend and to make it secure and many other things, but the basis of the application is there and the leaders who may came after me – and most probably will be from my current team – will continue this work.
- 7- Finally I got some new friends such as my vice Sherif and 2 or 3 members in the committee.

4-Difficulties:

There were a lot of difficulties that I have faced.

- Trying to make the members love the place and to convince them that this place will provide them a lot.

- To convince them to work hard and spend a lot of time in building this application.
- When I was trying to divide them into 3 teams, I was wondering how I will split them, and I made certain hierarchy, but most of them did not like it, so I changed it into another one and made everyone happy.
- Two members have told me that they are not able to continue because they figure out they do not like this field, I tried to keep them, one of them I told him take another chance and think about it, but he told me that he has other problems so he will not be able to continue, and the other told me that he likes more the web track so I told him do not distract yourself then and focus on the web because this will be better for you, and finally he thanked me for all what I did for him and told me that he really liked what we are doing.
- And the most difficult task for me was how to make the member themselves give tasks for themselves because I want to make them not reliable only on me and to create a leader from them who can lead this team after me, and I succeeded in that by convincing Nour and Rana to do these things and I was tracking them.

5-Feedback:

- All the members were doing all their best to learn and to enhance their skills.
- Sherif was very good leader and tried his best to give them all the knowledge he has and tried to enhance his own skills too.
- HR members was not very much involved so this may be the only one negative feedback, they did what I told them, but they do not come with things unless they are asked.



- And they did not track the performance of the members, or maybe they did but I do not know.
- Board should be more curious about what we are doing and give us more feedbacks about how we are doing and ask what we have done frequently.

6-What is next:

- Mainly what is next is to finalize our requirements which we have 1 or 2 tasks still not finished.
- Try to connect our application with the web database.
- Implement the whole backend of the application.
- If there is some time, we will try to figure how to make this application secure.

Link for our drive:

https://drive.google.com/drive/folders/1OMxcT_OLgszfRXGHFGuVIJqni4K4uFHS

Link for our repo:

<https://github.com/orgs/IEEEMobileApp/projects/1/views/1>

Link for our discord channel:

<https://discord.gg/K2xmfnWS>