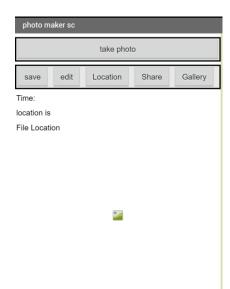
## (i) Member 1: Jiang Guanlin

In this project, because I am the leader of Group 3, first group meeting, we talk about which topic we will choose to make this application. We brainstormed a lot but still used my idea in the end. Because everyone is offline now for our group, I make a WhatsApp Group be our group discussion and file upload place. Also, I let them four days be a range to give me some reports about their research and some ideas about additional functions. After, according to our voting, we made some decisions. Also, we used ZOOM Meeting software had an online meeting to discuss the use case diagram for our application which a member of our team drew.

After this meeting, I started to plan the parts that everyone will be doing in this application. We, in the report, met with the professor and confirmed the feasibility of this application. So, we started it, also make sure the application useage range and the how many functions we have to make.

In this project, we used aia file to transfer the parts to group members. Still, after, we found that way was so slow and not suitable for teamwork, so thanks Huang Tianji, he provided his Google Account to us, so I moved some parts of the programming blocks to the new account. After the first version of the application, we found a lot of bugs in there, so I decided to redesign the programming blocks, and some people reformed the application display to be more beautiful and easier to use.

In this project, I develop the functions of location, timeline, and storing those data into TinyDB. Below is the code blocks and some parts of screens which I contribute (some shared blocks are not displayed here, also exclude the blocks help members):





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The location and timeline functions are not complex parts for me, but I still spent some time figuring out the location problem. The GPS location is so slow, but after I found that is not the application problem (MIT AI2 Companion Application make it slow). Also, I used the exact time to show on the application, but I decided to store it twice on TinyDB because the precise time is not suitable for the gallery timeline. In this gallery section, the label on this screen just shows the year. Also, I put the website link that I find into the discuss part on Blackboard.



To be the group 3 team leader, I take the responsibility to solve complex problems if they cannot solve them. Every week I will recover some problems members cannot solve to ask the professor or student helpers and figure out those problems to help members. Also, I must encourage team members when they meet some difficulties, and I need to make sure everyone finishes their jobs and check all blocks are suitable for our application.

For testing those functions, I specialize add some screens to display the information to make sure those functions are working properly. I remember when I finally tested the gallery block, I found the bug and also contacted the member who developed this block to figure out the problems. In the end, we found that when the function initial, the string split is not right, and we fixed that problem. When I developed the location function, I also started a new project to test it ok for display or not.

Also, in this project, I know a group leader must not panic when a team meets some problems. A group leader needs to be organized matters methodically, also make some stable or responsible decisions to make sure the group is not unstable. The best feeling is to work with group members to figure out those difficulties and test the application to make sure no bugs exist.

## My Reflection:

Every week, sometimes every day, we will discuss in our WhatsApp group, and every week I will receive some difficulties from members to figure out if they cannot solve. Also, I collected all the team members free time to So that everyone could meet and work together.



Overall, the experience of this project made me feel very happy to be in a team and work together to figure out the difficulties. Teamwork skill is very important for my whole life, also pass through this project, I am thrilled to cooperate with those members. To be the team leader for this project, this project also makes me and teach me how to be a leader and lead the whole team and self.