

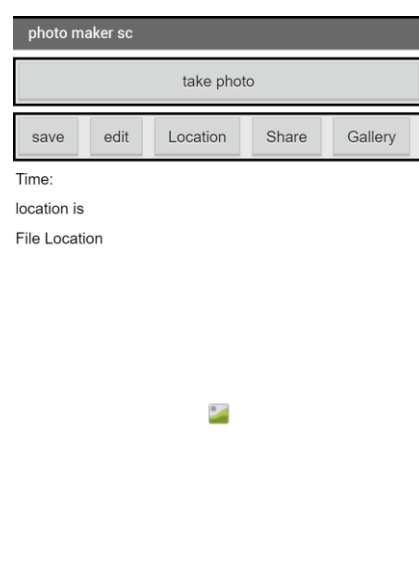
(i) Member 1: Jiang Guanlin

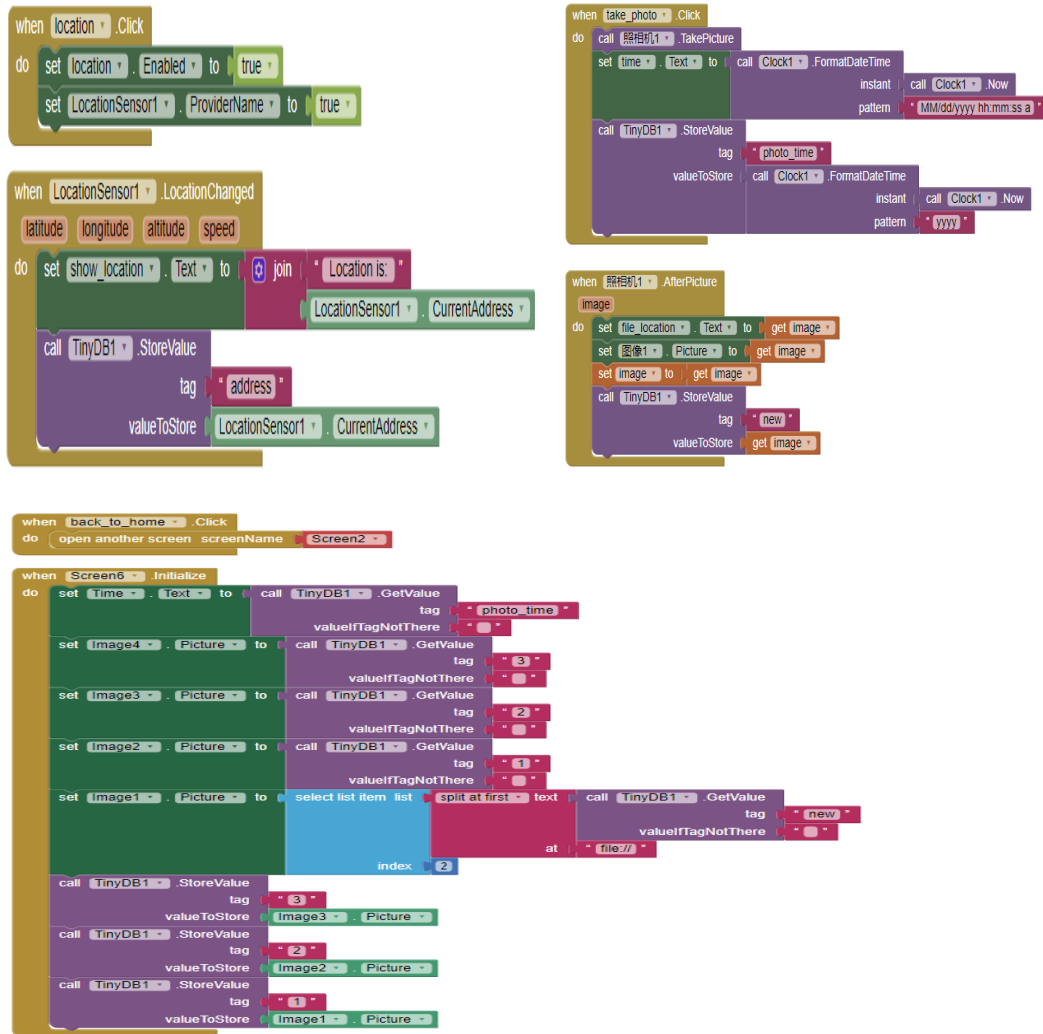
In this project, because I am the leader of Group 3, first group meeting, we talk about which topic we will choose to make this application. We brainstormed a lot but still used my idea in the end. Because everyone is offline now for our group, I make a WhatsApp Group be our group discussion and file 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):





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.

<input type="checkbox"/>	10/30/21 9:29 AM	MIT APP INVENTOR cut string	Guanlin JIANG	Published	0	0	1
	10/22/21 1:03 PM	Share a way for map and location	Guanlin JIANG	Published	0	0	1

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.

