Minutes of the Project Pyro: Internal Minutes

Date   : Tuesday, 22th March 2022

Time   : 2000 Hrs

Location   : Zoom (Online)

Present:
Zeph Ng , Backend Developer & IoT Engineer, Project Pyro
Chua Soon Ann, Computer Vision Developer, Project Pyro
Pearlyn Loh, Frontend Developer, Project Pyro
Livana Ho, Project Manager, Project Pyro
Kelly Tay, UI/UX, Project Pyro
Henry Wee, Quality Assurance, Project Pyro

Late with Apologies:

Absent with Apologies:

Item	Discussion	Action(s) by
1	***Admin Matters***	
1.1	Livana briefed us on the dates for the sponsor check ins. SCDF check in will be on 29th March 12-1pm and OSS will be on 31st March 5-6pm. For the check in with OSS, we will first have a zoom call, after which both Henry and myself will head down physically to do the UAT testing with Mr Kelvin.	
1.2	Livana also mentioned that SCDF has yet to give us a definite reply in regards with the UAT testing, we will assume that they are unable to help us and will think of other ways to conduct the hardware testing.	Henry Wee,Kelly Tay, Livana Ho
1.3	Zeph asked about the progress of the report. Henry said both Kelly and himself will be focusing on the slides first since the report requirement is only two thousand words. Zeph mentioned that the IS483 requirement is different from the medium article. He also mentioned that we will wait for Professor Thivya to give us confirmation on deliverables.	
1.4	Zeph also mentioned if SCDF does not give us a definite answer by 12pm tomorrow we will change logs and move on with our own testing.	

1.5	Zeph asked about the slides' progress. Henry mentioned summarising the project introduction and went through the flow of presentation and outstanding tasks left. Zeph mentioned that we will need to mention about the data structure change because the structure changed quite a bit after adding the new functionality. Henry also mentioned that we will find some lit reviews to benchmark our product quality.	
1.6	Zeph also asked about the UAT template, Henry shared a screen and went through the template. Zeph suggested using time taken or number of clicks to determine whether it is a pass or fail.(To come out with pass/fail metrics). Zeph mentioned to have both qualitative and quantitative types of test as well, quantitative will be dependent on time taken/no. of clicks while qualitative will require us to record the user's thought process. Henry will need to finish the objective of the UAT and classify each task.	
2	***Computer Vision Model***	
2.1	Soon Ann mentioned he downloaded four hundred images of black smoke but was only left with 70-80 images that can be used. The new model for smoke results is not very ideal for detecting smoke.	Chua Soon Ann
2.2	Zeph asked whether Soon Ann is going to improve the V2 computer vision model. Zeph mentioned that there is still room for improvement despite having better results as compared to the previous model.	
2.3	Zeph mentioned we only failed one test case for indoor fire video. Zeph mentioned that UAT should only be focused on dashboard software.	
3	***Dashboard***	
3.1	Pearlyn mentioned that both Zeph and herself managed to get the mute button working. The mute button will activate a check on the timestamp in the background. If there is a fire detected, there will be a check on the timestamp. From the moment the hardware detects the fire to the mute button, if the timestamp is less than one hour it wont show on the dashboard but if it is more than one hour then it will reset the system.	Pearlyn Loh
3.2	Pearlyn also mentioned that they are looking at SCDF bot, they have the ability to see all stakeholders' pins and mute or clear dispatch. Other users can only access pins they own.	

3.3	Pearlyn mentioned that she will work on the profile management this weekend.	
4	**_Hardware - ID update_**	
4.1	Zeph mentioned that he needed to find a way to dynamically store data. SMU manager will come to us for the cameras when they want to install the system. The reason why DECAM exists is to reduce admin workload and responsibility.	
4.2	The hardware will automatically create its own unique ID once it is switched on. Once that is done, we will print out the unique ID and label the camera.	Zeph Ng, Pearlyn Loh
4.3	For now Zeph mentioned that he managed to do the camera assignment functionality for now. All that is left is to add it to the registration and Pearlyn will do up the product management page and we will be able to set the lat long after.	
With no further items, the meeting adjourned at 2030Hrs		

Prepared by/date   : Henry Wee / 22nd March 2022