sdmay18-30: Intelligent low-altitude air traffic management system
Week 8 Report
November 6 - November 13

Team Members
Humaid Al Kaabi — *Software Developer*
Suhail Aldhaheri — *Communications manager*
Jun An Tan — *Software key concept holder & Report checker*
Saad Alsudayri — *Simulation of Trajectory function*

Summary of Progress this Report
we are still working on the plotting of "current drone position" with respect to time. As some us are researching on how to do it in our software,eclipse the rest will work on a temporary measure by doing the plot in matlab instead. For now our main goal is to at least have a "front end" that fulfills the deliverables.

Pending Issues
Getting the movement, angles and drone counts right.

Plans for Upcoming Reporting Period
continue to troubleshoot and find out the "how" factor in doing the plot.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Humaid Al Kaabi	For this part of the report I did two things. First, I worked on updating the code so we can store time. This tasked required me to fix the classes that we initially created, and also fix the printing functions. Second, I started to work on converting the code from Eclipse to .exe file, and I was able to make the first prototype to get started with. Moreover, I worked on fixing some parts of the code so we can have more clear input/output for the software.	5	76
Suhail Aldhaheri	I did a whole simulation of the project in matlab. Basically the simulation has the 6 warehouses that we determined early in the semester. We have a random number of clients. I did the simulation in a way that we would generate a random number of clients and then the code will check the closet warehouse to the client and select it. Then we	10	56

	can see a dot which represents the drone going from the warehouse to the client and then going back to the warehouse. I used the distance equations and also time equations.		
Jun An Tan	we realized that we missed out the "timing factor" so we figured out a way to make use of the systems library to store the time anytime a demand appears. Then eventually we will make an estimate arrival and departure list from point to point. This is kind of "secondary" to the plotting function but the presence of it would make our simulator like a simulator.	5	63
Saad Alsudayri	This week I was working to fix and revise our project design in terms of grammar, logic, and I wanted to make sure that we follow the rubric was given to us.	5	66