

**sdmay18-30: Intelligent low-altitude air traffic management system**

Week 7 Report

October 30 - November 5

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

Although the flight request function earlier seemed to be working, it misses out the checking of 2 warehouses. We managed to debug and fix the previous 2 main functions that we talked about earlier last week.

**Pending Issues**

Finding a suitable way to do the plotting of "current drone position"

**Plans for Upcoming Reporting Period**

Research for ways to do the plotting of "current drone position"

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Humaid Al Kaabi	For this week, I did mainly three things. First, I worked on rewriting the parts that we lost in the code, since the application crashed and we did not have a recent copy. Second, I finished writing one of the main functions on the software, it's the function that checks if trajectories are going to cross or not and gives permission to fly if there is not a possible collision. Finally, I wrote several functions that output Matlab codes to plot the trajectories. We will use it temporarily to make sure that the calculations are correct.	10	71
Suhail Aldhaheeri	I made big progress this week. We were struggling with showing the map on Java for weeks now and I finally figured it out. I worked on ArcGIS where I downloaded many libraries that enabled me to show a map on Java. There are many things that we can do with the maps like showing directions and showing maps in 3D-4D. I am still learning	10	46

