Test Scenario Number:	004	Tested By:	Ryan Bomalaski
Sprint Number:	1	Application:	main.py
Tracker ID:	ST-004	Time Estimation:	30 Minutes
Module:	N/A	Туре:	Stepwise

Test Scenario and Requirements Description: Tester will run test script test_004.sh to test Scenario 4.

Prerequisites:

- User has Collision Avoidance folder
- User has SQLite3 Installed

Scenario Title: Run Simulator for 120 Steps with resolution of 2 steps per second.

Scenario Procedure:

Using the provided scripts, the user will import the test airplanes to the python algorithm. Then the user will run the simulator for 120 steps.

I II CII (Then the user will turn the simulator for 120 steps.			
	Scenario Steps:	Validation:		
1.	e Airplane Test Database: Open New Terminal Navigate to/collision_avoidance/test_scripts	SQLite will initialize with test attributes. The terminal will open the python terminal (Denoted with the ">>>").*		
3.	Run command: 1/test_004.sh	* - Note: If this is the first set up of the table, two errors will appear.		
Airpla 1.	e Simulator object and populate with anes: Create a new simulator object with step count of 120 by typing the following command: 1. sim = Simulator(120,2) Populate the simulator with aircraft by running: 1. sim.create_airplanes() Confirm that two airplanes were created by running: 1. sim.airplanes	A list of two airplane objects with the address in memory will appear.		
1.	Simulator: In python environment, run the following command: 1. sim.run_sim() When the simulator is complete, run: 1. exit()	The simulator will step through 120 steps, giving outputs for both airplanes. Upon exit, the user will be back at the linux terminal.		