Test Scenario Number:	005	Tested By:	Ryan Bomalaski
Sprint Number:	1	Application:	main.py
Tracker ID:	ST-005	Time Estimation:	30 Minutes
Module:	N/A	Туре:	Stepwise

Test Scenario and Requirements Description: Tester will run test script test_005.sh to test Scenario 5.

Prerequisites:

- User has Collision Avoidance folder
- User has SQLite3 Installed

Scenario Title: Run Simulator for 120 Steps with resolution of 10 steps per second to simulate 12 seconds of flight time.

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.

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	Scenario Steps:	Validation:	
1.	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_005.sh	* - Note: If this is the first set up of the table, two errors will appear.	
Create Simulator object and populate with Airplanes:		A list of two airplane objects with the address in memory will appear.	
2.	Create a new simulator object with step count of 120 by typing the following command: 1. sim = Simulator(120,10) Populate the simulator with aircraft by running: 1. sim.create_airplanes() Confirm that two airplanes were created by running: 1. sim.airplanes	and appear	
Run Simulator:		The simulator will step through 120 steps, giving	
	In python environment, run the following command: 1. sim.run_sim() When the simulator is complete, run:	outputs for both airplanes. Upon exit, the user will be back at the linux terminal.	
	1. exit()		