

CAB302 Assignment 2

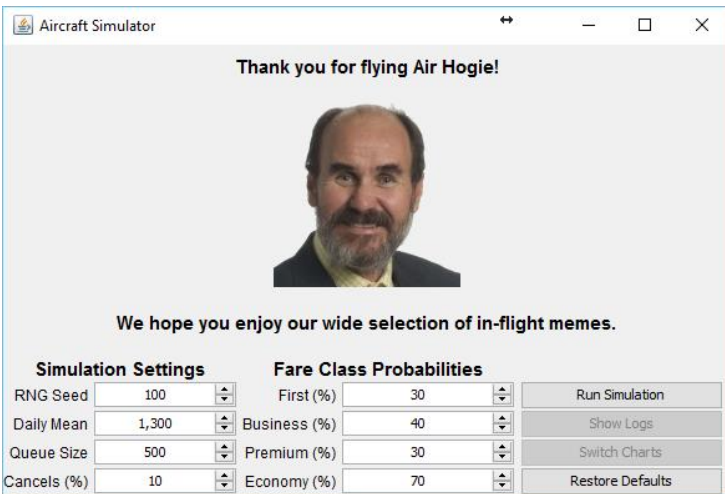
GUI Test Plan

The Spicy Memeliners

Andrew Carr: andrew.carr@connect.qut.edu.au

Mitchell Harvey: m21.harvey@connect.qut.edu.au

Test 1 Input Screen Shot 1

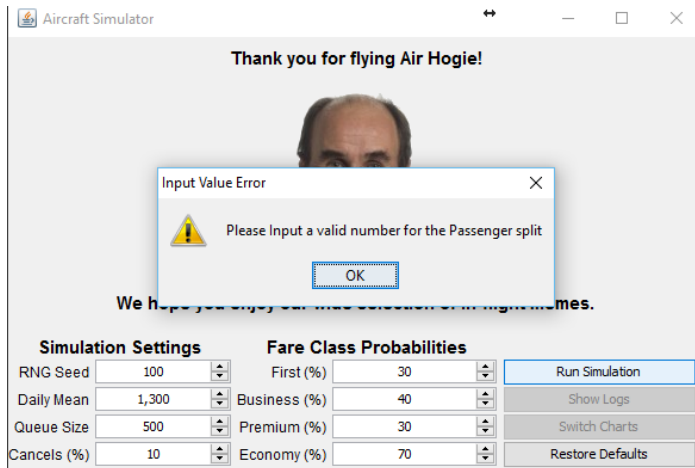


The Main page opens with various settings available to the user, and 4 buttons. The two “Show Logs, and Switch Charts are disabled to start with until the simulation has been run.

In this screen, the user enters incorrect data in the passenger split range. The combined total of Passengers must be 100% - no more, no less

*[meanDailyBookings=1300.0, sdDailyBookings=mean*0.33, seed=100, firstProb=0.3, businessProb=0.4, premiumProb=0.3, economyProb=0.7, maxQueueSize=500, cancellationProb=0.1]*

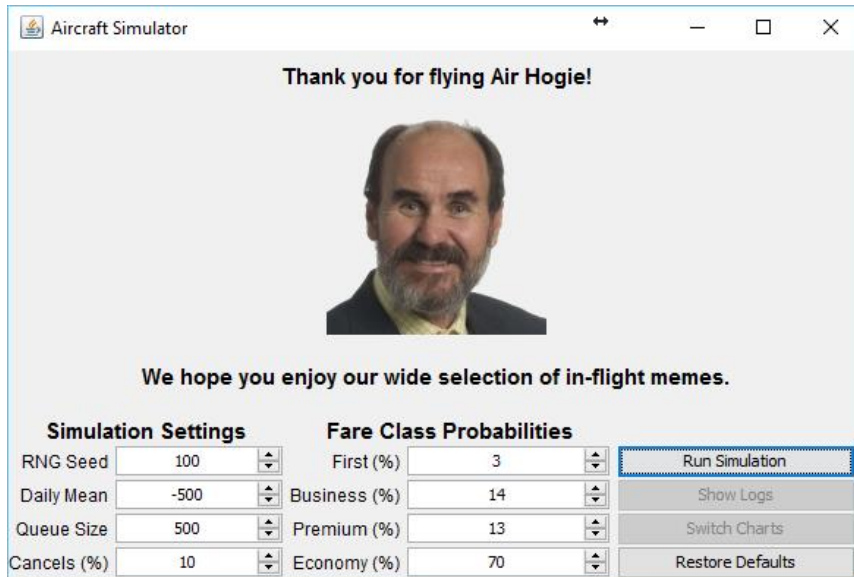
Test 1 Error Screen Shot 1



The Error message that is displayed to the user. The Simulation is not run until the user fixes any errors and Clicks “Run Simulation Again

*[meanDailyBookings=1300.0, sdDailyBookings=mean*0.33, seed=100, firstProb=0.3, businessProb=0.4, premiumProb=0.3, economyProb=0.7, maxQueueSize=500, cancellationProb=0.1]*

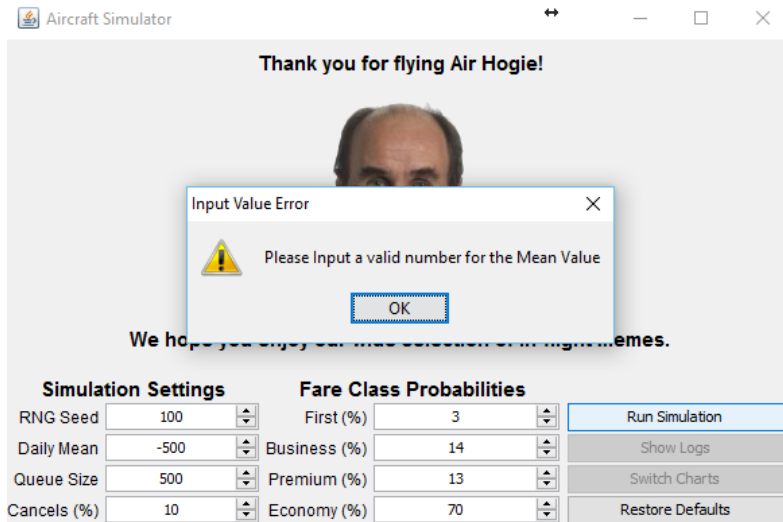
Test 1 Input Screen Shot 2



The user attempts to create a Simulation with a Queue of -500 which violates the <0 rule that it has applied to it.

*[meanDailyBookings=-500, sdDailyBookings=mean*0.33, seed=100, firstProb=0.03, businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=500, cancellationProb=0.1]*

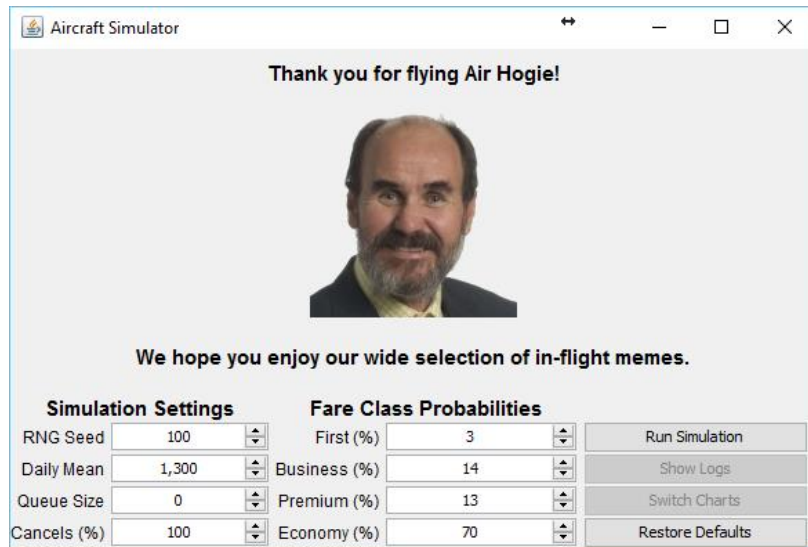
Test 1 Error Screen Shot 2



The Error message that will appear to prompt the user to re enter their details and then try again

*[meanDailyBookings=-500, sdDailyBookings=mean*0.33, seed=100, firstProb=0.03, businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=500, cancellationProb=0.1]*

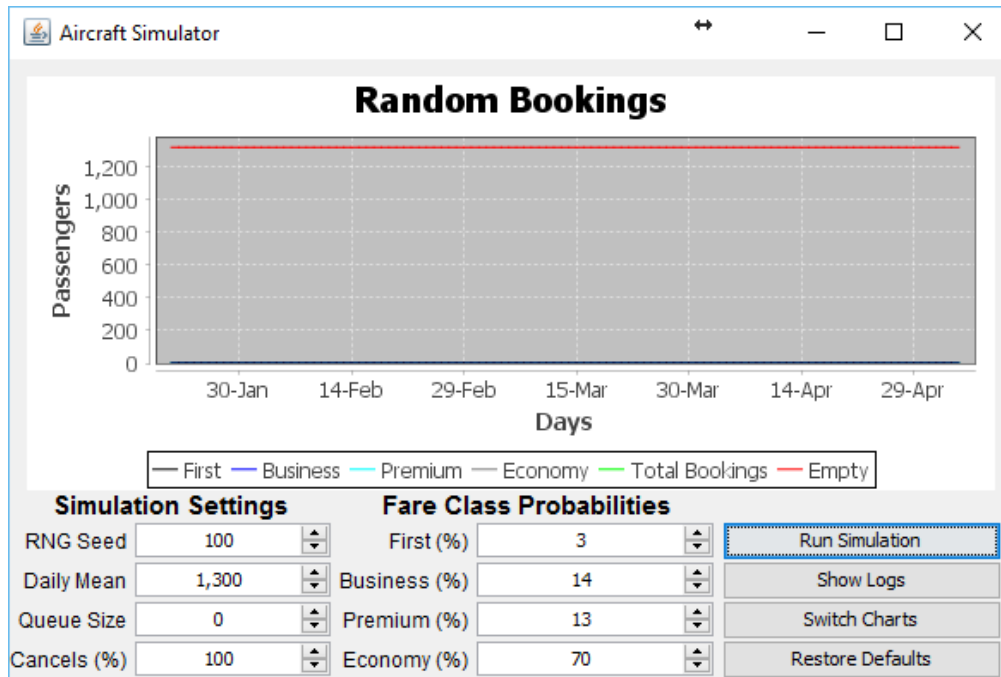
Test 2 Input Screen Shot



The User provides valid values in all the fields, therefore the simulation should run error free

meanDailyBookings=1300.0, sdDailyBookings=429.0, seed=100, firstProb=0.03, businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=0, cancellationProb=1.0]

Test 2 Output Screen Shot



The Graph that is created from the provided parameters. Note that the “Show Logs” & “Switch Charts” Buttons are now active

meanDailyBookings=1300.0, sdDailyBookings=429.0, seed=100, firstProb=0.03, businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=0, cancellationProb=1.0]

Test 3 Input Screen Shot

Thank you for flying Air Hogie!

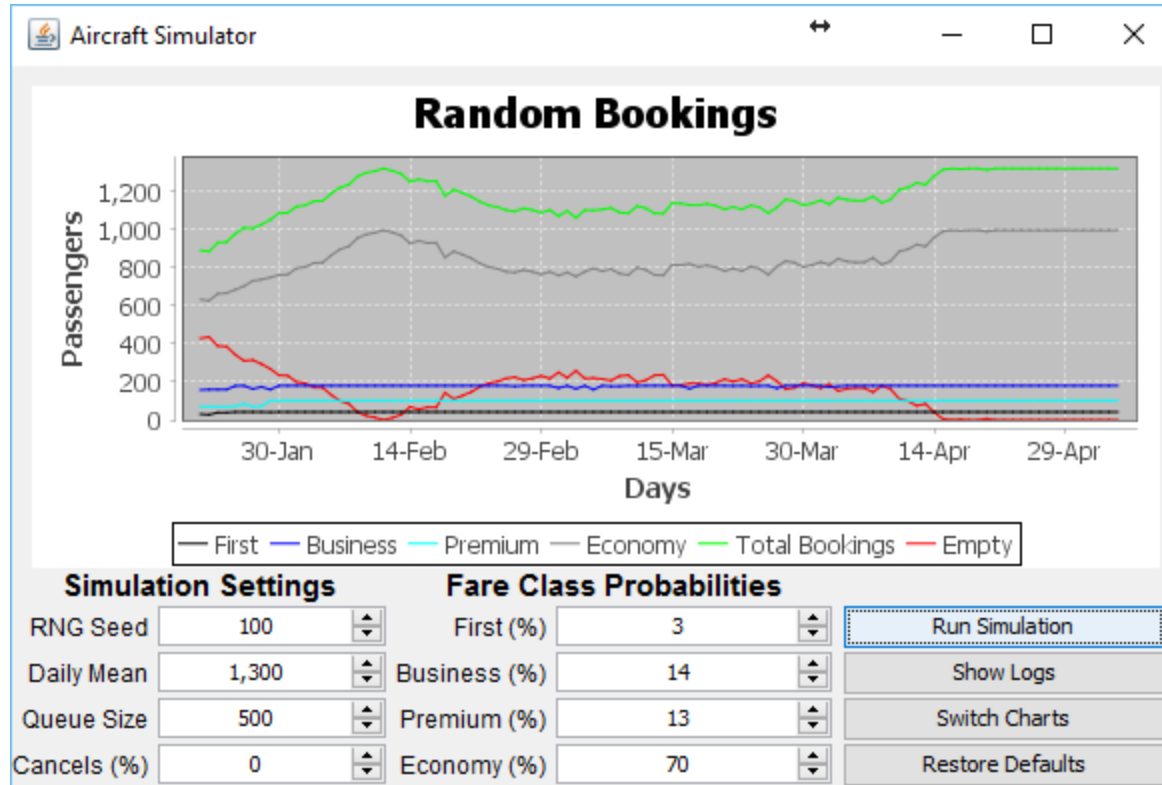
We hope you enjoy our wide selection of in-flight memes.

Simulation Settings		Fare Class Probabilities		
RNG Seed	100	First (%)	3	Run Simulation
Daily Mean	1,300	Business (%)	14	Show Logs
Queue Size	500	Premium (%)	13	Switch Charts
Cancellations (%)	0	Economy (%)	70	Restore Defaults

Another Successful parameter Set where
the user has changed the Cancellation
Probability to 0%

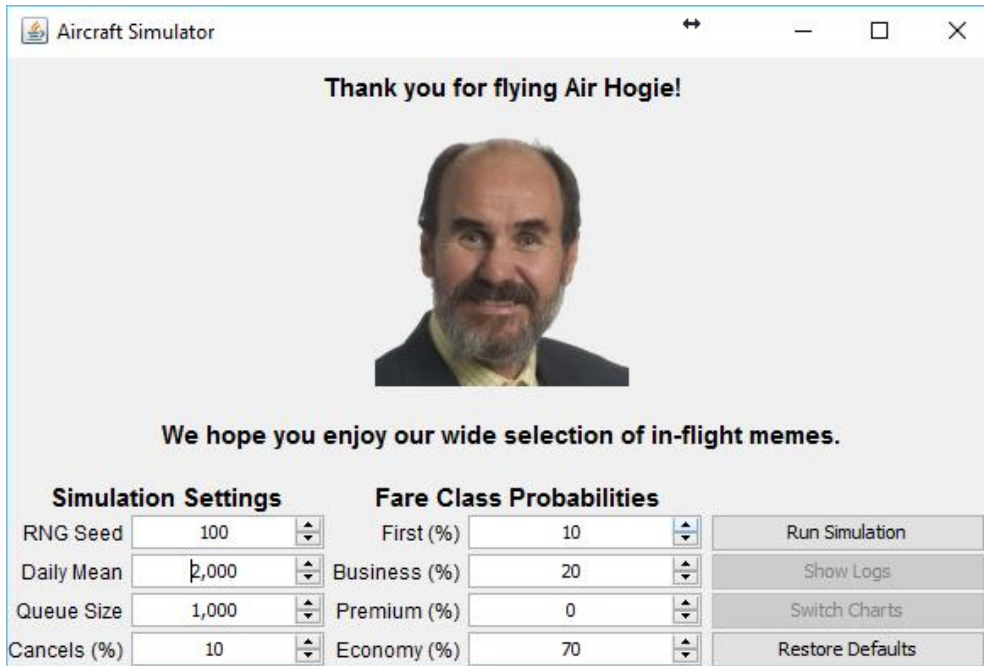
*meanDailyBookings=1300.0, sdDailyBookings=429.0, seed=100, firstProb=0.03,
businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=500,
cancellationProb=0]*

Test 3 Output Screen Shot



meanDailyBookings=1300.0, sdDailyBookings=429.0, seed=100, firstProb=0.03, businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=500, cancellationProb=0]

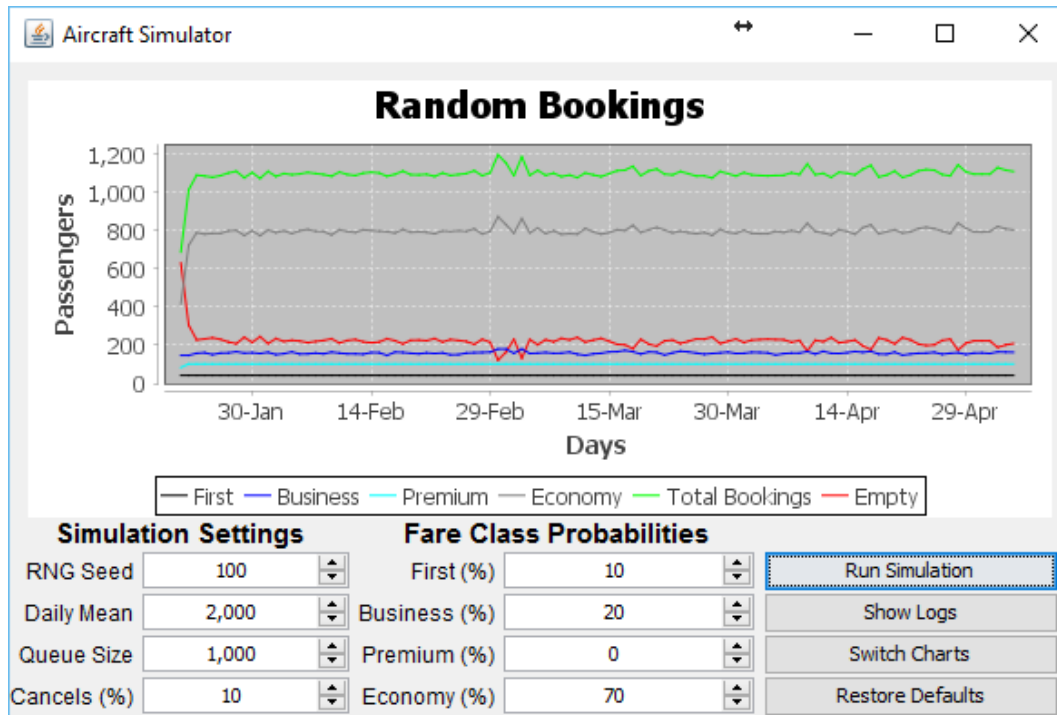
Test 4 Input Screen Shot



Another test with a valid input, this time testing the charts' display correctly

Simulator [meanDailyBookings=2000.0, sdDailyBookings=660.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.0, economyProb=0.7, maxQueueSize=1000, cancellationProb=0.1]

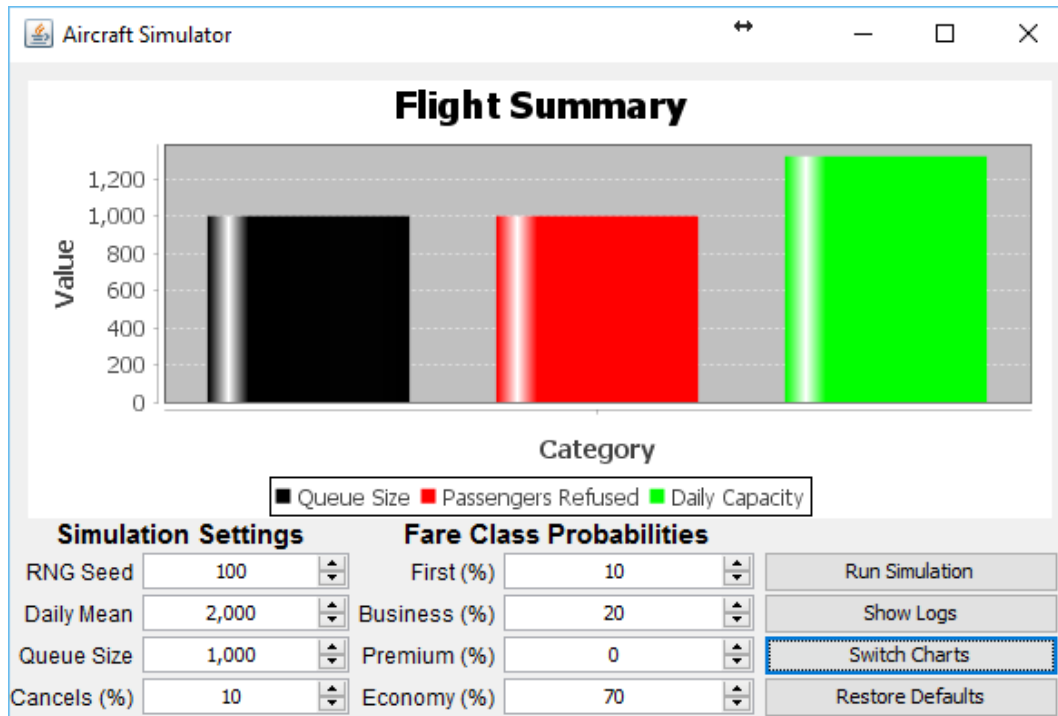
Test 4 Output Chart 1



The Chart displaying a Line graph of the Daily Statistics

Simulator [meanDailyBookings=2000.0, sdDailyBookings=660.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.0, economyProb=0.7, maxQueueSize=1000, cancellationProb=0.1]

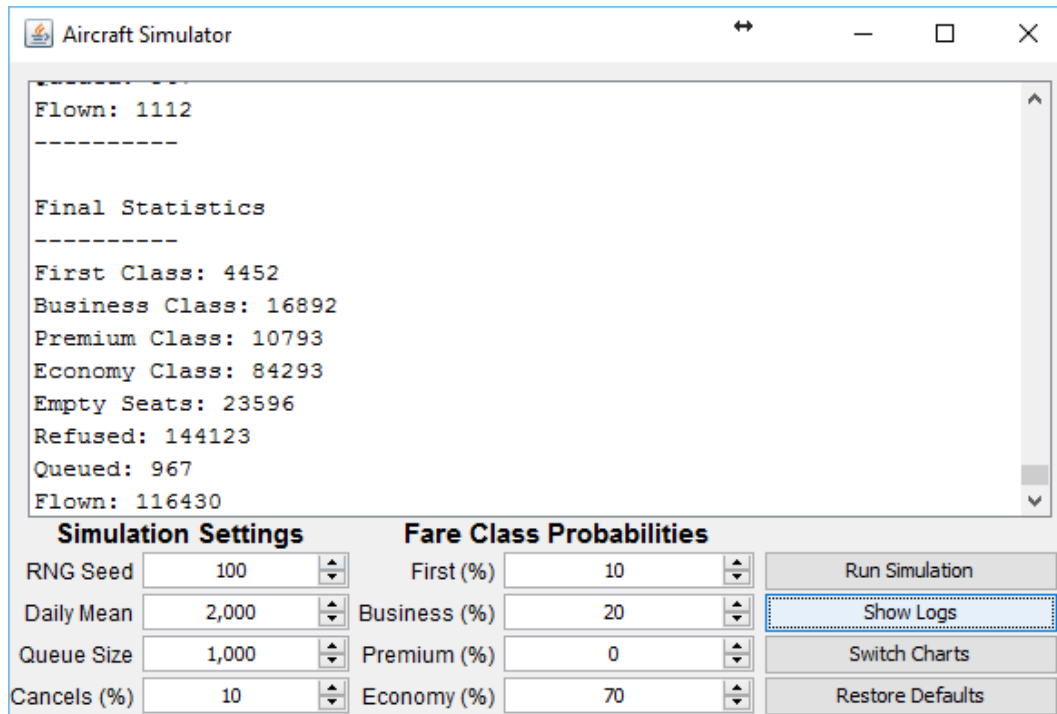
Test 4 Output Chart 2



The Chart displaying a Bar graph of the Final Flight Summary

Simulator [meanDailyBookings=2000.0, sdDailyBookings=660.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.0, economyProb=0.7, maxQueueSize=1000, cancellationProb=0.1]

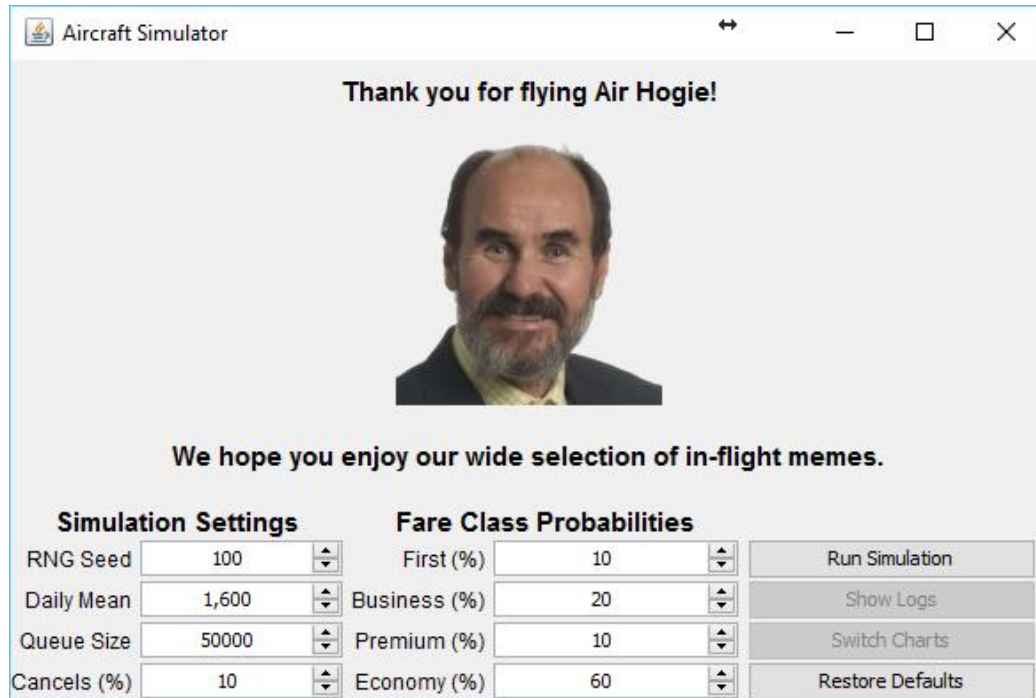
Test 4 Output Logs



The Produced Log Output

Simulator [meanDailyBookings=2000.0, sdDailyBookings=660.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.0, economyProb=0.7, maxQueueSize=1000, cancellationProb=0.1]

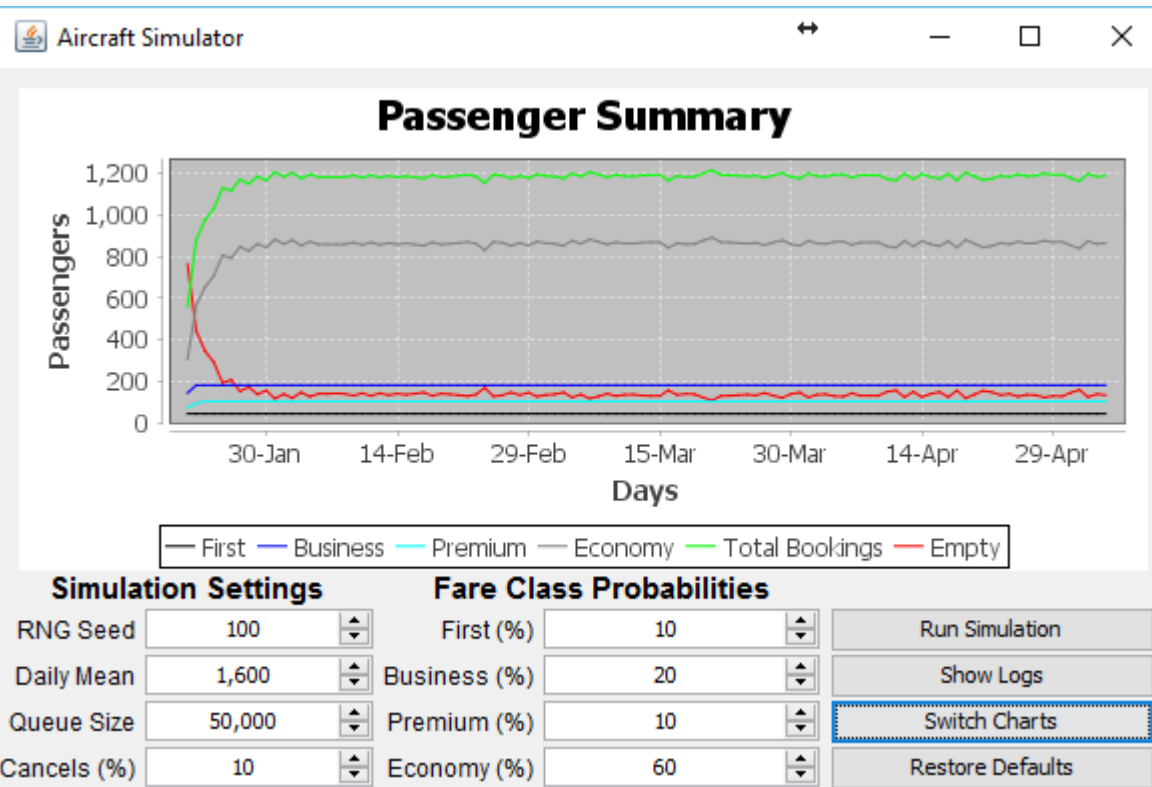
Test 5 Input Screen Shot



Another test with a valid input, this time testing the charts' display correctly

Simulator [meanDailyBookings=1600.0, sdDailyBookings=528.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.1, economyProb=0.6, maxQueueSize=50000, cancellationProb=0.1]

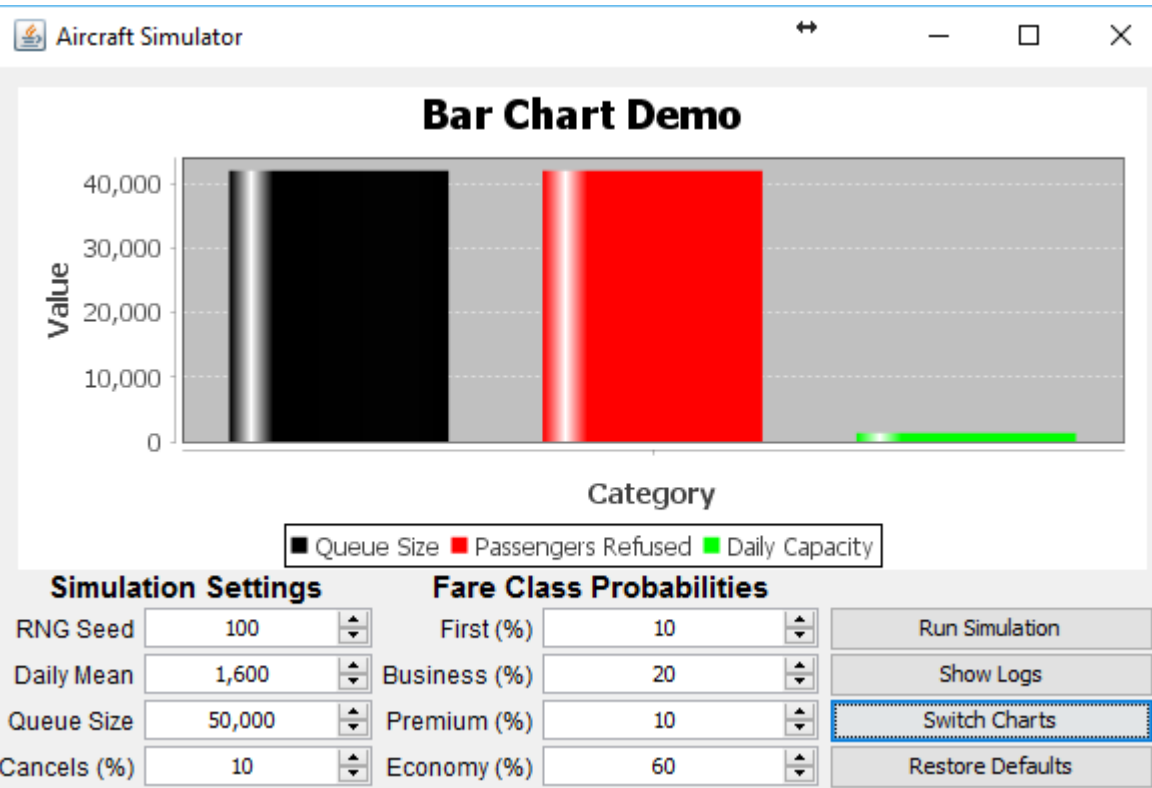
Test 5 Output Chart 2



The Chart displaying a Line graph of the Daily Statistics

Simulator [meanDailyBookings=1600.0, sdDailyBookings=528.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.1, economyProb=0.6, maxQueueSize=50000, cancellationProb=0.1]

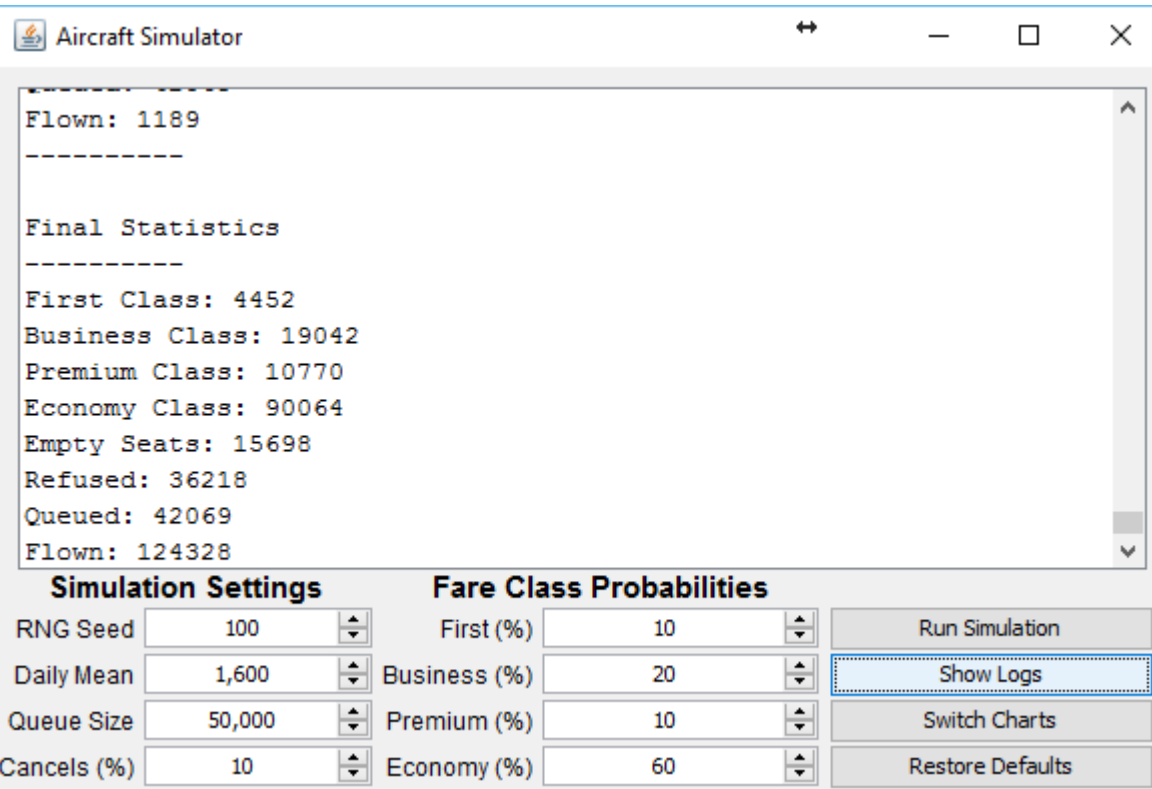
Test 5 Output Chart 2



The Chart displaying a Bar graph of the Final Flight Summary

Simulator [meanDailyBookings=1600.0, sdDailyBookings=528.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.1, economyProb=0.6, maxQueueSize=50000, cancellationProb=0.1]

Test 5 Output Chart 2



The Produced Log Output

Simulator [meanDailyBookings=1600.0, sdDailyBookings=528.0, seed=100, firstProb=0.1, businessProb=0.2, premiumProb=0.1, economyProb=0.6, maxQueueSize=50000, cancellationProb=0.1]