

CAB302 Assignment 2

GUI Test Plan

The Spicy Memeliners

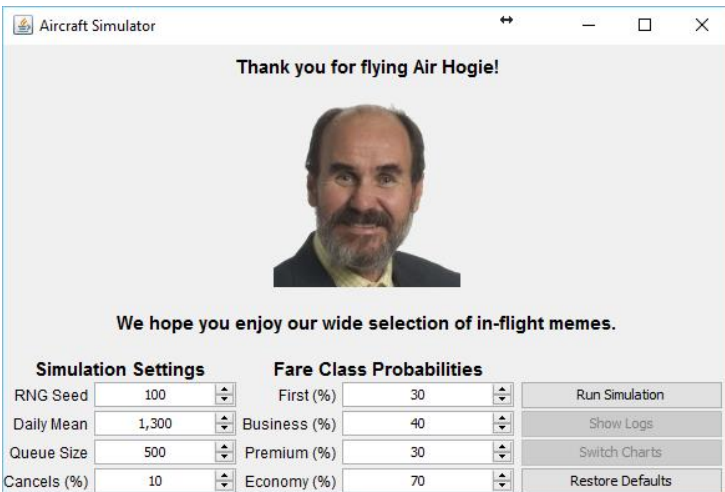
Andrew Carr: andrew.carr@connect.qut.edu.au

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

The Basics

- This file is a template to help you organise your GUI test results.
- Please delete this slide before submission
- For each test, you will need to provide at least 2 screenshots of your application – data entry and result. For *Test 1*, this will need to happen twice, each time showing the error. It is not necessary to execute corrected inputs for Test 1.
- For Tests 1,2,4 and 5, we already know the input data and results
- For Test 3, you need to specify it, and the expected result (you know both of these as they are from a supplied log that you choose).
- (And yes, you can fake the screenshots, but we can also demand that you demo the application with one of us present).

Test 1 Input Screen Shot 1

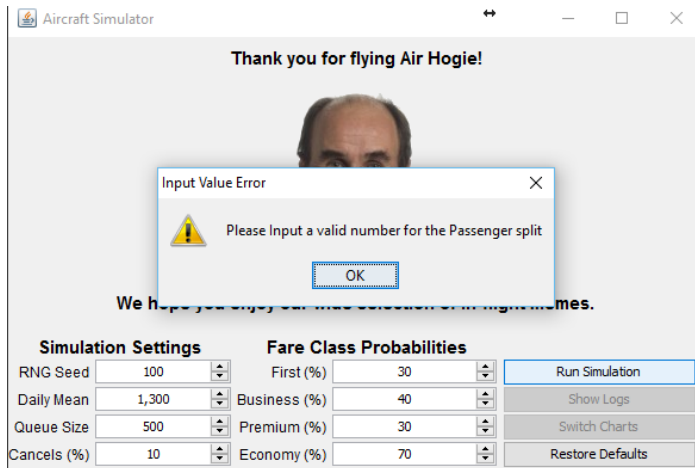


The Main page opens with various settings available to the user, and 4 buttons. The two “Show Logs, and Switch Charts are disabled to start with until the simulation has been run.

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]*

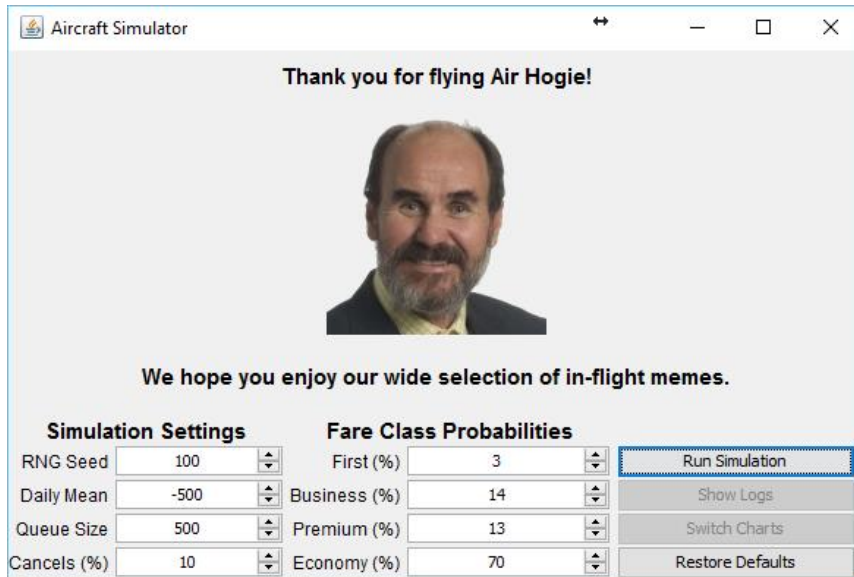
Test 1 Error Screen Shot 1



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]*

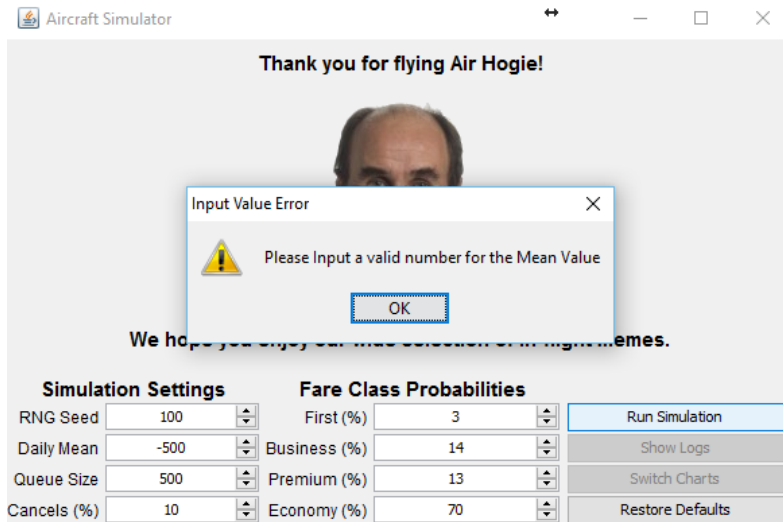
Test 1 Input Screen Shot 2



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]*

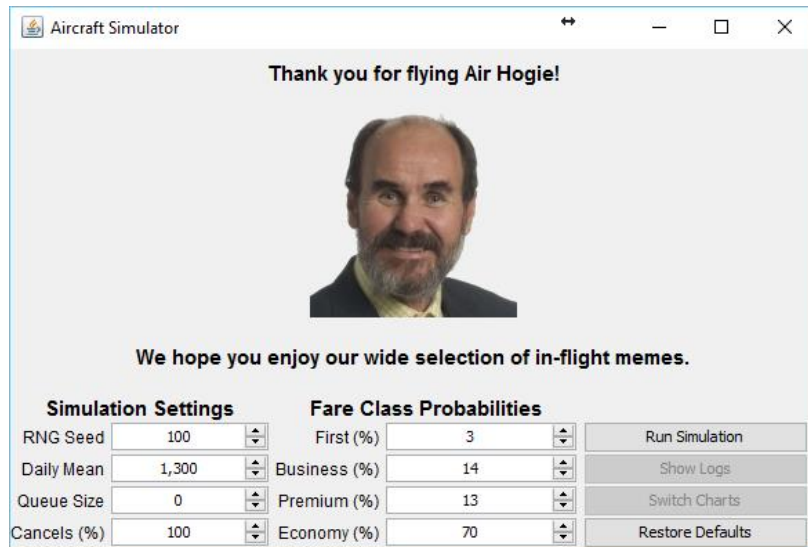
Test 1 Error Screen Shot 2



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]*

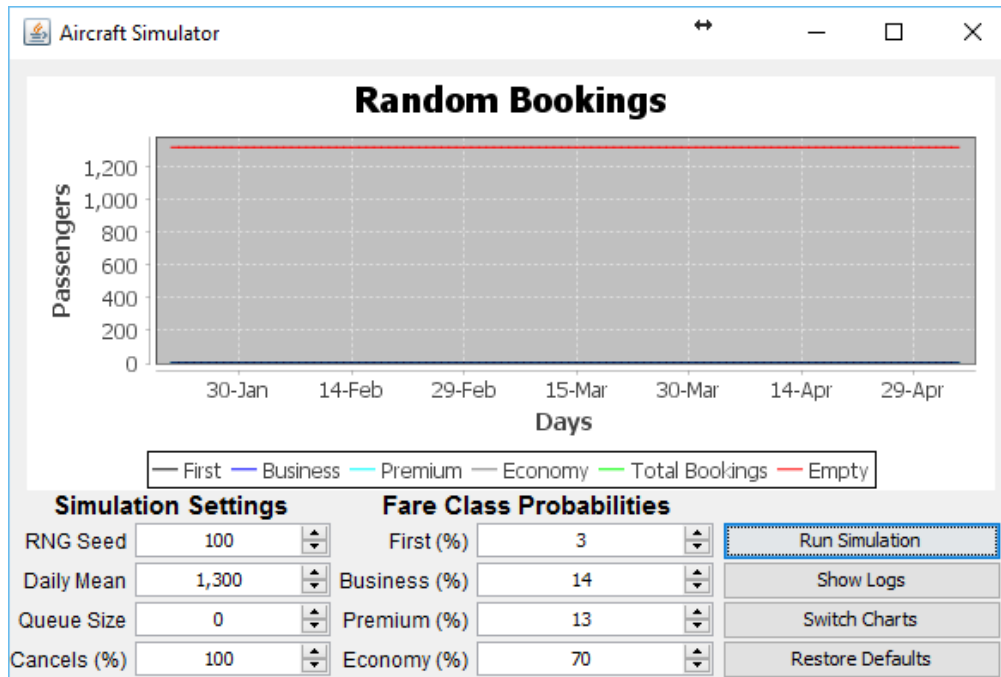
Test 2 Input Screen Shot



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]

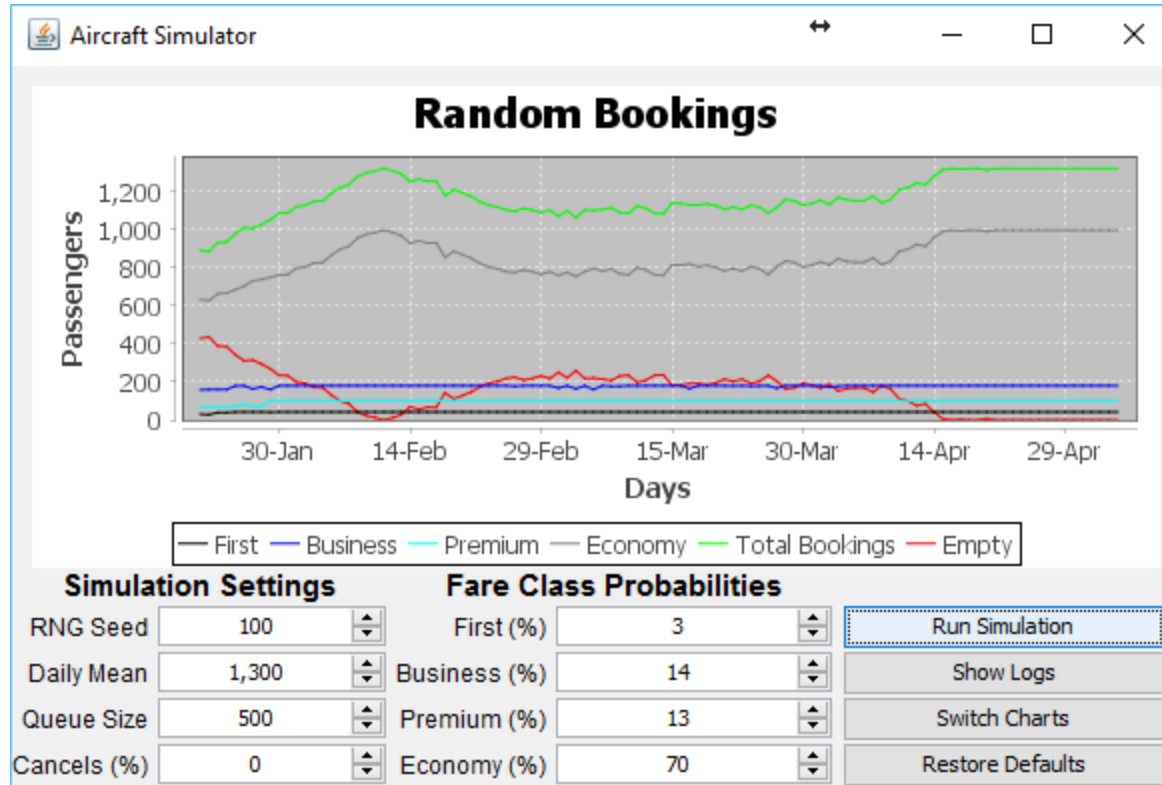
Test 3 Input Screen Shot



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

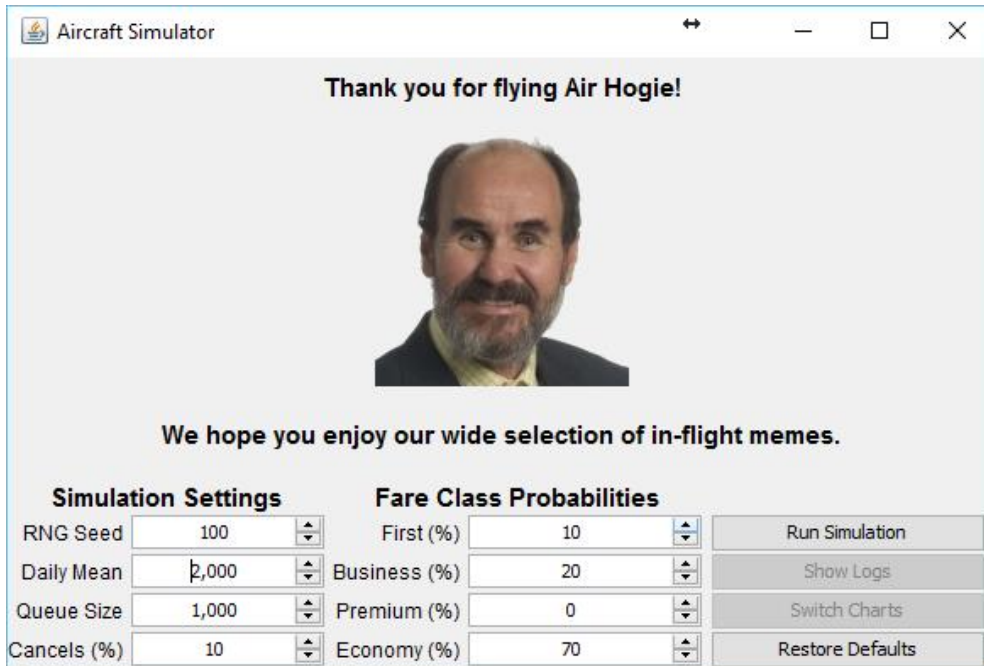
*meanDailyBookings=1300.0, sdDailyBookings=429.0, seed=100, firstProb=0.03,
businessProb=0.14, premiumProb=0.13, economyProb=0.7, maxQueueSize=500,
cancellationProb=0]*

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]

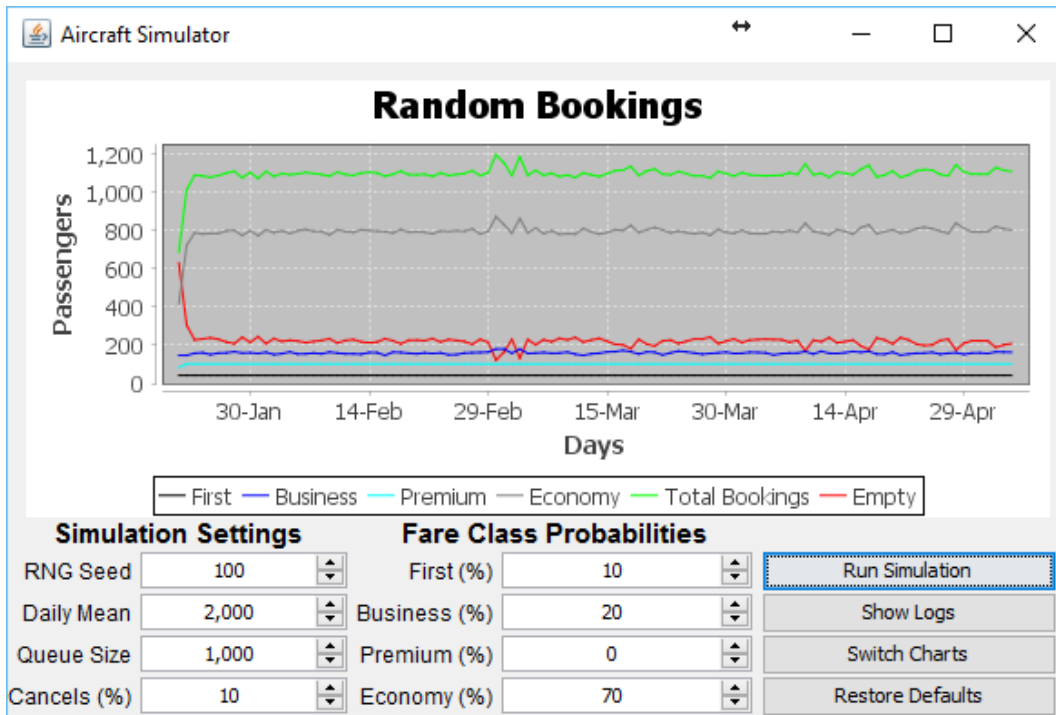
Test 4 Input Screen Shot



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]

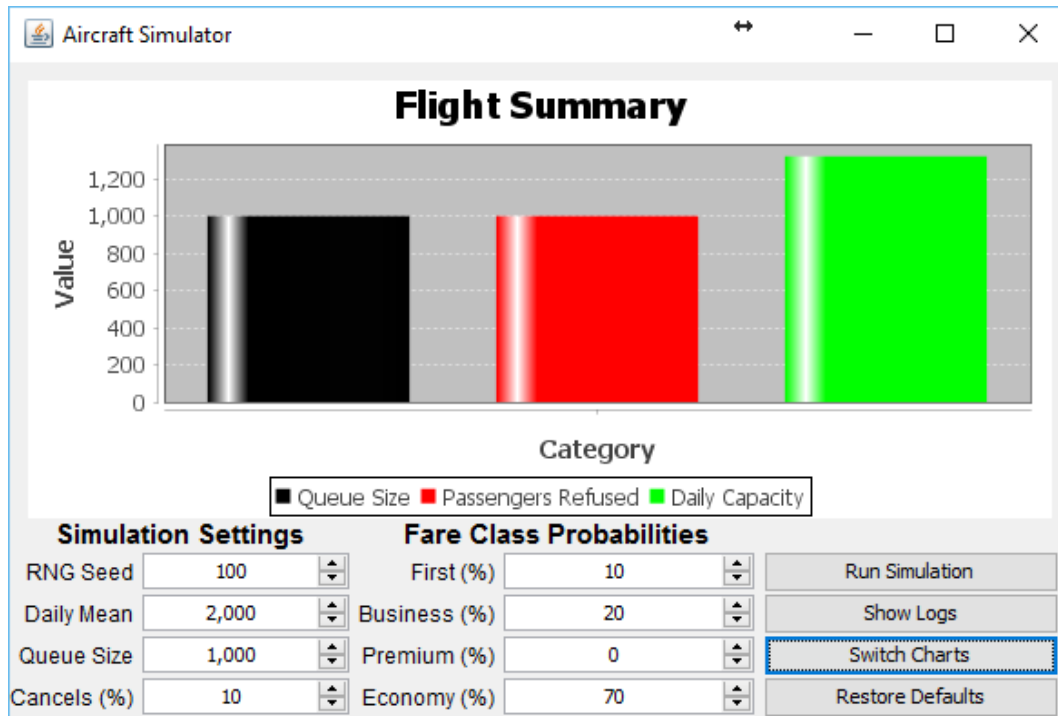
Test 4 Output Chart 1



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]

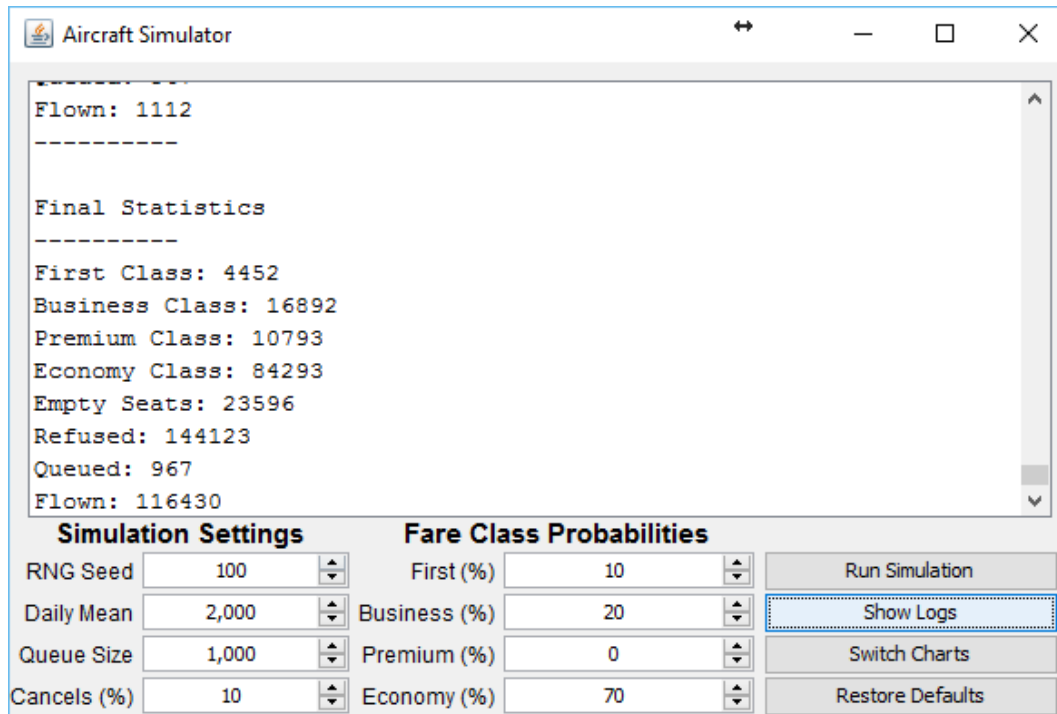
Test 4 Output Chart 2



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]

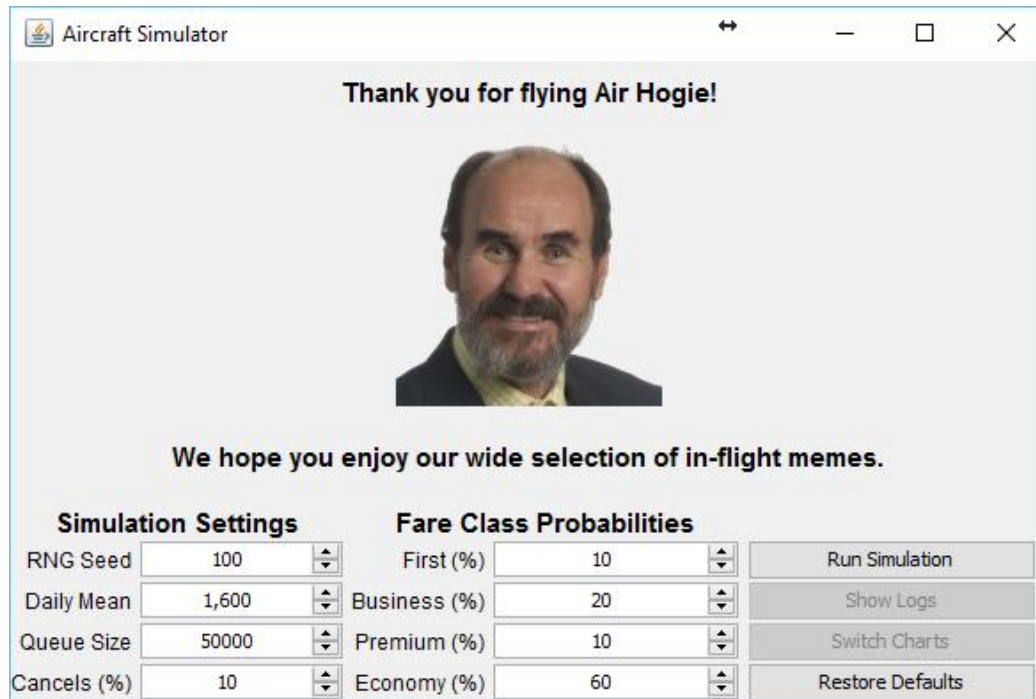
Test 4 Output Logs



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]

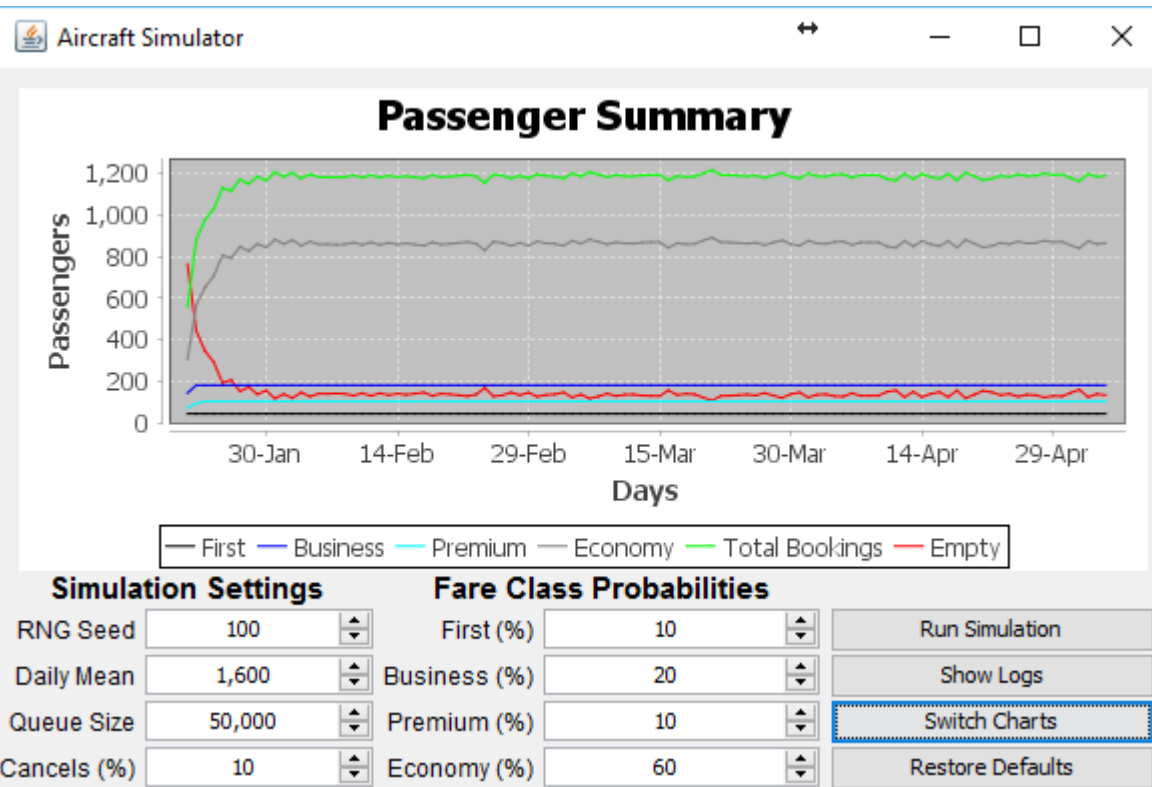
Test 5 Input Screen Shot



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]

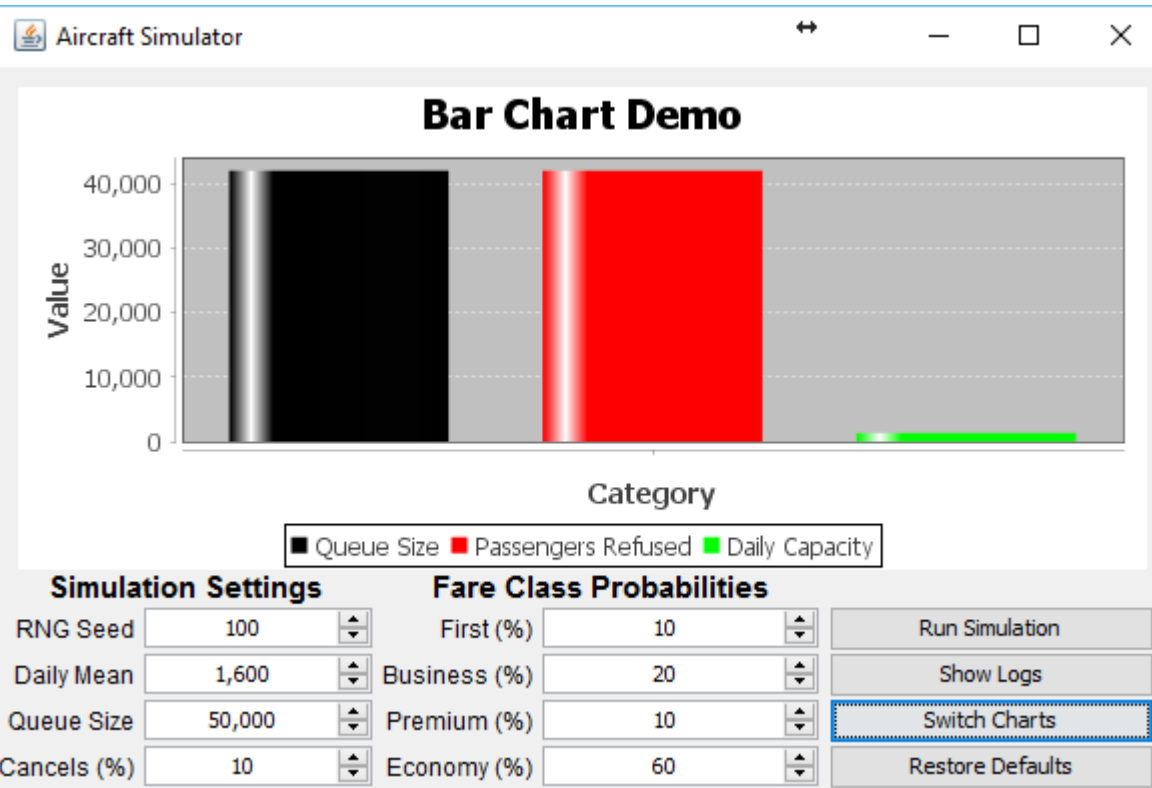
Test 5 Output Chart 2



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]

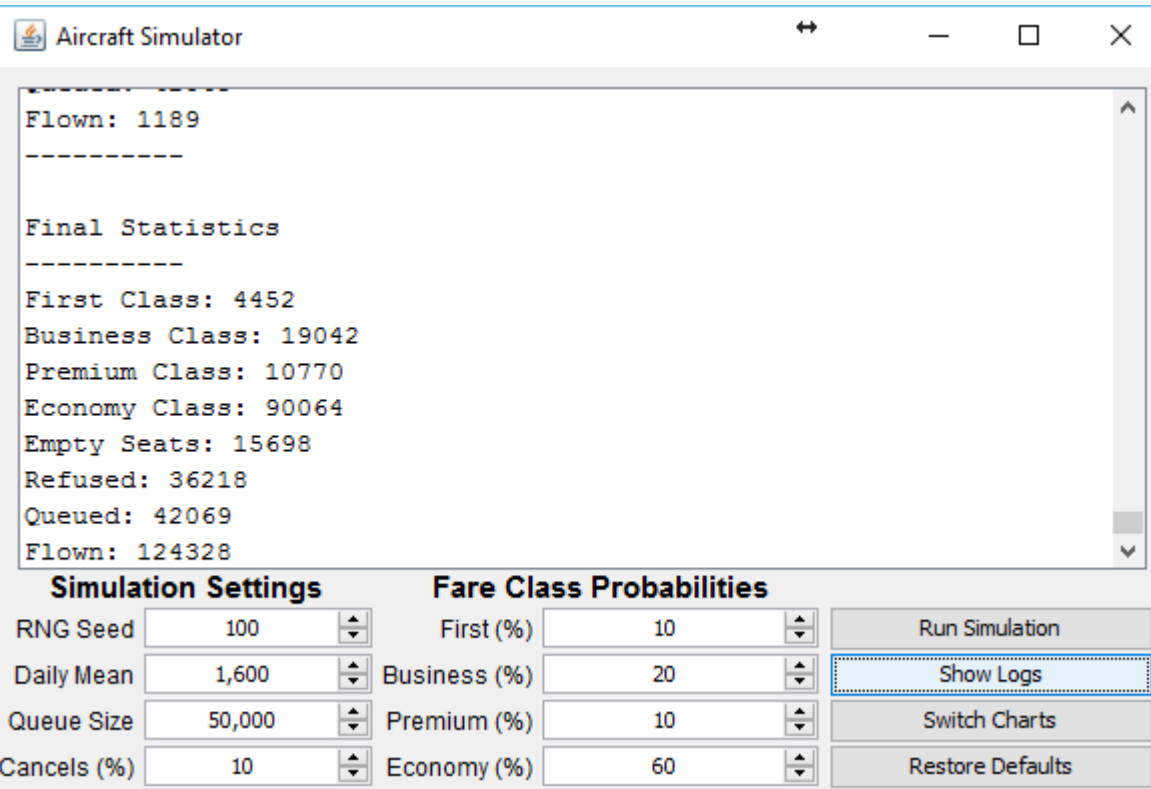
Test 5 Output Chart 2



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 screenshot shows the 'Aircraft Simulator' window. The top section displays log output: 'Flown: 1189', followed by a separator line, then 'Final Statistics', another separator line, and a list of statistics: 'First Class: 4452', 'Business Class: 19042', 'Premium Class: 10770', 'Economy Class: 90064', 'Empty Seats: 15698', 'Refused: 36218', 'Queued: 42069', and 'Flown: 124328'. The bottom section contains 'Simulation Settings' and 'Fare Class Probabilities'. The 'Simulation Settings' table has columns for the setting name and its value. The 'Fare Class Probabilities' table has columns for the class name and its percentage. To the right of these tables are four buttons: 'Run Simulation', 'Show Logs' (highlighted with a blue border), 'Switch Charts', and 'Restore Defaults'.

Simulation Settings	
RNG Seed	100
Daily Mean	1,600
Queue Size	50,000
Cancels (%)	10

Fare Class Probabilities	
First (%)	10
Business (%)	20
Premium (%)	10
Economy (%)	60

Buttons: Run Simulation, Show Logs, Switch Charts, Restore Defaults

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]