

## EXERCISES

---

# FLIGHT RESERVATION TEST CASES

Please create all the tests listed in this document.

Test Name:

Verify Launch

Purpose:

Ensure that users can log into the application.

Pre-Condition:

None

Step	User Action	Expected Result
1	Launch the AUT	The Login screen appears
2	Type in <b>tester1</b> as the username and <b>mercury</b> as the password	
3	Click the OK button	Main window displays within 20 seconds
4	Close the AUT	

Post-Condition:

None

Valid Test Data:

N/A

---

Test Name:  
Verify Version

Purpose:  
Ensure that the correct AUT version and copyright information exists.

Pre-Condition:  
None.

---

Step	User Action	Expected Result
1	Launch the AUT and login	Main window is displayed.
2	Open the About dialog by clicking Help->About	a. AUT version is 4.0 b. Copyright year is 2002
3	Close the dialog by clicking the Ok button	
4	Close the AUT	

---

Post-Condition:  
None

Valid Test Data:  
N/A

---

Test Name:  
Check Help

Purpose:  
Ensure that the Help system works appropriately.

Pre-Condition:  
None.

<b>Step</b>	<b>User Action</b>	<b>Expected Result</b>
1	Launch the AUT	Login window appears
2	Click the Help button	A dialog is displayed showing the correct password is MERCURY
3	Close the Help button	
4	Type in <b>tester1</b> as the username and <b>mercury</b> as the password	
5	Click the OK button	
6	Open the Help Content window by clicking Help -> Content	Help Content Window opens
7	Close the Help Content window	
8	Close the AUT	

Post-Condition:  
None

Valid Test Data:  
N/A

Test Name:  
Book Flight

Purpose:  
Ensure that flights can be booked using the AUT.

Pre-Condition:  
None

<b>Step</b>	<b>User Action</b>	<b>Expected Result</b>
1	Launch the AUT and login	
2	Type in the following	

	Date of Flight: 06/15/08 Fly From: Denver Fly To: Portland	
3	Click the Flights button	Flight dialog appears
4	Select the third flight from the list	
5	Click the OK button	a. The Flight No field holds a value b. The Flight No. field is readonly
6	Enter the following: Name: Customer 1 Class: First Tickets: 3	The price in the Total textbox is 3 times the price in the Price textbox.
7	Click the Insert Order button	Order No textbox is populated
8	Close the AUT	

Post-Condition:  
None

Valid Test Data:  
N/A

Test Name:  
Edit Flight

Purpose:  
Ensure that existing flights can be edited using the AUT.

Pre-Condition:  
A flight has been booked for a customer named **Customer 1**

Step	User Action	Expected Result
1	Launch the AUT and login	
2	Open the Open Order dialog by clicking	a. Open Order dialog appears

	on Flight -> Open Order	b. OK button is disabled
3	Check the Customer Name checkbox and type in <b>Customer</b> in the field	Ok button is enabled
4	Click the OK button	Search dialog appears with at least one record found
5	Select the first entry in the list and click the OK button.	a. Search dialog closes b. Open Order dialog Closes c. Flight Number field in the main window is populated with the selected Customer info
6	Add 1 to the number of tickets in the Tickets textbox	The price in the Total textbox is calculated properly
7	Click the Update Order button	The Insert Order progress bar displays Insert Done...
8	Close the AUT	

Post-Condition:  
None

Valid Test Data:  
N/A

Test Name:  
Verify Reports

Purpose:  
Verify that the correct customer data is shown in the reports.

Pre-Condition:

A flight has been booked for a customer named  
**Customer 1**

---

<b>Step</b>	<b>User Action</b>	<b>Expected Result</b>
1	Launch the AUT and login	
2	Search for a flight for Customer 1	Customer info is populated in the main page
3	Open the report tool by clicking Aalysis -> Reports	a. Reports field appears b. Ensure that the Tickets, Price, Total, Order No. and Date fields from the report match the details in the main page for Customer 1
4	Close the Report tool	
5	Close the AUT	

---

Post-Condition:

None

Valid Test Data:

N/A

---

Test Name:

Verify DB Data

Purpose:

Ensure that the contents of the Orders table in the database is showing up correctly in the reports.

Pre-Condition:

None

<b>Step</b>	<b>User Action</b>	<b>Expected Result</b>
1	Launch the AUT and login	
2	Open the report tool by clicking Analysis -> Reports	a. Reports field appears b. Ensure that the contents of the report matches the contents of the ORDERS table in the database
3	Close the Report tool	
4	Close the AUT	

Post-Condition:  
None

Valid Test Data:  
N/A

Test Name:  
Measure Book Flight

Purpose:  
Ensure that flights can be booked within a limited amount of time

Pre-Condition:  
None

<b>Step</b>	<b>User Action</b>	<b>Expected Result</b>
1	Launch the AUT and login	
2	Complete the flight booking details for a customer named Customer 2	
3	Close the AUT	The entire operation completes within 30

---

---

seconds

---

---

Post-Condition:

None

Valid Test Data:

Date of Flight: 07/07/08

Fly From: London

Fly To: Paris

Name: Customer 2

Class: First

Tickets: 3

---

Test Name:

Delete Flight

Purpose:

Ensure that flights can be properly deleted from the database.

Pre-Condition:

More than one flight exists in the database

---

Step	User Action	Expected Result
1	Launch the AUT and login	a. Delete Order button is disabled b. Update Order button is disabled
2	Search for the flight using the result of the query below	a. Delete Order button is enabled b. Update Order button is enabled
3	Click the Delete Order button	Order is successfully deleted from the database
4	Close the AUT	

---

Post-Condition:

None

Valid Test Data:

SELECT MIN(ORDER\_NUMBER) FROM ORDERS

---



