

Flight Reservation Black Box Test Plan

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Introduction

Provide a brief overview of your black box test plan. Describe how you would start your application.

Test ID	Description	Expected Results	Actual Results
FR BBT1: Incorrectly formatted Airplane file.	Preconditions: Missing rows in first 6 lines of tiny-plane-invalid.txt file (Airplane file that does not match specified format) Test: Agent attempts to load an airplane file that does not match the specified format of an airplane file that the reader is expecting.	Error message pop-up that says Unable to Load File.	Open the GUI and navigate to tiny-plane-invalid.txt and select and open. Popup "Error" message appears that says Seating Chart File Cannot Be Found.
FR BBT2: Open a correctly formatted aa-777.txt	Preconditions: aa-777.txt is a valid file format. Test: Ensure seating chart loads	User navigates to the aa-777.txt file and clicks open. File opens with seating chart matching aa-777.txt file. All seats start as yellow.	Navigates to the aa-777.txt file and clicks open. File opens with seating chart matching aa-777.txt file. All seats start as yellow. All seats except aisle seats have a number and letter on them.
FR BBT3: Open a correctly formatted aa-777.txt and add a reservation	Preconditions: aa-777.txt is a valid file format. User has loaded this into the GUI browser and clicked open. The flight map shows all yellow and labeled seats except aisles. Input Jane Doe into Name, select first class ticket, select window seat. Click add reservation Test: Ensure GUI adds the first class passenger to the reservation screen, and seat 1A turns green.	Seat 1A turns green and Jane Doe is added to reservations list at the top and has a seat number listed as 1A.	Navigates to the aa-777.txt file and clicks open. File opens with seating chart matching aa-777.txt file. All seats start as yellow. All seats except aisle seats have a number and letter on them. Type in Jane Doe, selected first class ticket, and window seat. Clicked Add new reservation. Seat 1A turns green, Jane doe is added to manifest at top and ticket says first class seat 1A next to Jane Doe's name in reservation list.
FR BBT4: Add first	Preconditions: Arplane file tiny-plane.txt is a valid file and	Jane Doe is added to the first free upper left	Navigates to the aa-777.txt file and clicks open.

class passenger if no first class seats available.	<p>loaded into the GUI. Add five passengers to first class (fill it up).</p> <p>Test: Agent adds a reservation for a first class ticket for Jane Doe with a requested seat of window. Test to see if she gets a seat.</p>	business class seat, which should be 2A. GUI updates that seat to green. Reservation manifest shows that Jane Doe has been added to the seat (and seat added to Jane Doe). 4 reservations should be in the manifest and jane doe should be added last.	<p>File opens with seating chart matching aa-777.txt file. All seats start as yellow. All seats except aisle seats have a number and letter on them.</p> <p>Type in passengers a, b and c, d, e with all first class selected first class ticket, and window seat and select add new reservations after each one.</p> <p>Each seat in first class turns green after adding seat. Passengers show up in manifest next to their seat.</p> <p>Type in Jane Doe, select first class, window and add new reservation. Jane Doe is added to seat 2A. 2A turns green in the plane area and Jane Doe is added to manifest with 2A assigned to her.</p>
FR BBT5: Economy is greater than 80% full, try and add coach, then add first class	<p>Preconditions: Add airplane file aa-777.txt after deleting all the first class seats and changing the business class row to 1 (line 5 of txt file). Airplane file is correct format. 11 passengers are added to coach. Try to add 12th coach. Then try and add business class after all business class are full</p> <p>Test: Agent puts 11 people in coach, the 12th isn't added, but after the business class is full, the business class can be added to coach.</p>	Business class passenger is added to coach, but 12 th coach passenger was not added.	<p>Loaded flight file tiny-plane.txt</p> <p>Put people in coach letters a through k, when tried to add person 'l', the person wasn't given a seat. The seat shows 'none' in the manifest.</p> <p>Added people m through v to business class to fill up coach. All plane is filled except first class and coach 10C and 10D. The name 'w' is added as a business class passenger.</p> <p>The business class passenger is added to seat 10C and shows up in the manifest. 10C turns green.</p>

Document Revision History

Date	Author	Change Description
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2 / 9 / 16	Andrew Northrup	<ul style="list-style-type: none"> Initial Draft BBTP
2 / 24 / 16	Andrew Northrup	<ul style="list-style-type: none"> Modified the BBTP to ensure that some of the basic set up procedures and addition worked correctly prior to testing some of the logic from the back end.