**Testing**

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| **Test No** | **Test Case** | **Input** | **Expected Output** | **Actual Output** | **Screenshots** |
| 1. | Testing the applications main menu appears when the app is first run | Compiling and running the application | Windows displaying main menu (Flight Admin, Bookings Menu, View Flight Details, View Seat Details, Quit) | As expected |  |
| 2. | Testing the flight details are read from database and shown to user after pressing View Flight Details button | Click on display flight  Details button | Windows displaying Flight Details | As expected |  |
| 3. | Testing to see if a free seat’s details are shown when View Seat details is pressed | Click on display seat details to view a particular seat | Seat details Window displays that seat is free or not | As expected |  |
| 4. | Testing to see if a reserved seat’s details are shown when View Seat details is pressed | Reserve seat as a passenger | Seat details Window displays that seat has been reserved | As expected |  |
| 5. | Testing to see if a booked seat’s details are shown when View Seat details is pressed | Book a seat and submit passenger  Details | Window displays that a seat has been booked by a passenger | As expected |  |
| 6.1 | Testing if Cancelling a free seat displays appropriate message. | Enter seat number to cancel | Window displays that seat number entered is already free | Almost as expected |  |
| 6.2 | Testing if Cancelling a free seat updates the flight counters (on View Flight Details) correctly. | Enter seat number to cancel | Flight details Window displays the same number of free seats available | As expected |  |
| 7.1 | Testing if Cancelling a reserved seat displays appropriate message. | Enter details for reserving a seat then cancelling | Windows display that seat reservation has been cancelled | Almost as expected |  |
| 7.2 | Testing if Cancelling a reserved seat updates the flight counters (on View Flight Details) correctly. | Clicking in Display Flight details page | Windows display that seat reservation has been cancelled | As expected |  |
| 8.1 | Testing if Cancelling a booked seat displays appropriate message. | Cancel booking  inputting Passenger details | Window displays that seat has been cancelled without a refund | As expected |  |
| 8.2 | Testing if Cancelling a booked seat updates the flight counters (on View Flight Details) correctly. | Clicking on Display Flight details | Window should display updated number of seats | As expected |  |
| 9.1 | Testing if reserving a free seat as an Island Passenger displays an appropriate message. | Reserve a seat and select Island Passenger | Window displays seat is reserved | As expected |  |
| 9.2 | Testing if reserving a free seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | Reserve a seat as an Island resident | Window displays  Seats as reserved | As expected |  |
| 10.1 | Testing if reserving a free seat as a Business Passenger displays an appropriate message. | Enter seat details and passenger name and company | booking window displays that seat has been reserved | As expected |  |
| 10.2 | Testing if reserving a free seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | Click Display Flight Details window | Flight window displays that seat has been reserved | As expected |  |
| 11.1 | Testing if reserving a free seat as an Ordinary Passenger displays an appropriate message. | Reserve a seat as an Ordinary Passenger | Seat details  Window displays booking is successful | As expected |  |
| 11.2 | Testing if reserving a free seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details for relevant flight | View flight details  Window to see if seats are updated | As expected |  |
| 12.1 | Testing if booking a free seat as an Island Passenger displays an appropriate message | Enter passenger details | Window displays that seat has been booked by a passenger | As expected |  |
| 12.2 | Testing if booking a free seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | Book seat as Island Resident then checking Display Flight details | Window should display updated seat counter | As expected |  |
| 12.3 | Testing if booking a free seat as an Island Passenger updates the total flight takings correctly (with the Island Passengers discount). | Clicking on Flight details page after booking seat as an Island Resident | Window should display total takings applying the Island Resident discount | As expected |  |
| 13.1 | Testing if booking a free seat as a Business Passenger displays an appropriate message | Book seat and enter passenger  Details as a Business  Traveller | Window displays  Seat has been booked | As expected |  |
| 13.2 | Testing if booking a free seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | Click on Flight details | Window should display updated flight counter | As expected |  |
| 13.3 | Testing if booking a free seat as a Business Passenger updates the total flight takings correctly (with the Business Passengers discount). | Book seat as a Business Traveller | Seat details window should display seat with Business Traveller discount | As expected |  |
| 14.1 | Testing if booking a free seat as an Ordinary Passenger (no promo) displays an appropriate  Message | Book seat as Ordinary Passenger without promo | Window displays seat is booked | As expected |  |
| 14.2 | Testing if booking a free seat as an Ordinary Passenger (no promo) updates the flight counters (on View Flight Details) correctly. | Click on Flight Details to see if booking a seat Ordinary Passenger  without  a promo  updates flight counter | Window should display updated flight counter | As expected |  |
| 14.3 | Testing if booking a free seat as an Ordinary Passenger updates the total flight takings correctly (with no discount). | Click on Seat details | Window should display total flight takings without a discount | As expected |  |
| 15.1 | Testing if booking a free seat as an Ordinary Passenger (promo included) displays an appropriate message | Book a seat as an Ordinary Passenger  With discount | Window displays that the seat has been booked | As expected |  |
| 15.2 | Testing if booking a free seat as an Ordinary Passenger (promo included) updates the flight counters (on View Flight Details) correctly. | Click on flight details  Window | Window should display that flight counter updates | As expected |  |
| 15.3 | Testing if booking a free seat as an Ordinary Passenger updates the total flight takings correctly (with promo discount). | Click on display seat details | Window should  Display seat takings with promo discount | As expected |  |
| 16.1 | Testing if booking a reserved seat as an Island Passenger (from Test 9) displays an appropriate message – name is different | Reserve a seat that has already been booked by passenger | Window displays that the seat is already booked by a passenger | As expected |  |
| 16.2 | Testing if booking a reserved seat as an Island Passenger (from Test 9) updates the flight counters (on View Flight Details) correctly – name is different | Book a flight that has already been reserved by another passenger | Window displays no change in flight counter  Booking menu window had displayed seat was already booked | As expected |  |
| 16.3 | Testing if booking a reserved seat as an Island Passenger (from Test 9) updates the total flight takings correctly – name is different | Reserve an already booked seat as an Island Resident | Window should display no change in total flight takings | As expected |  |

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| 17.1 | Testing if booking a reserved seat as an Island Passenger (from Test 9) displays an appropriate message – name is the same | | | Try to book a  reserved seat as an Island Passenger | | | | Window should display message that seat has now been  Booked by that passenger | | As expected | |  |
| 17.2 | Testing if booking a reserved seat as an Island Passenger (from Test 9) updates the flight counters (on View Flight Details) correctly – name is the same | | | Clicking on Display Flight details page | | | | Window should display message that number of booked seat has now been  updated | | As expected | |  |
| 17.3 | Testing if booking a reserved seat as an Island Passenger (from Test 9) updates the total flight takings correctly – name is the same | | | Clicking on Display Flight details page | | | | Window should display message that the total flight takings has now been  updated | | As expected | |  |
| 18.1 | Testing if booking a reserved seat as a Business Passenger (from Test 10) displays an appropriate message – name is different | | | Try to book a reserved seat as a Business Passenger | | | | Window should display an error that seat is already booked | | As expected | |  |
| 18.2 | Testing if booking a reserved seat as a Business Passenger (from Test 10) updates the flight counters (on View Flight Details) correctly – name is different | | | Click on Display Flight details page to see if flight has been updated | | | | Window should display no change in seat details | | As expected | |  |
| 18.3 | Testing if booking a reserved seat as a Business Passenger (from Test 10) updates the total flight takings correctly – name is different | | | Click on Display Flight details page to see if total flight takings has changed | | | | Window should display no change in total flight takings | | As expected | |  |
| 19.1 | Testing if booking a reserved seat as a Business Passenger (from Test 10) displays an appropriate message – name is the same | | | Book a reserve seat under the same name | | | | Window should display message that seat has now been booked | | As expected | |  |
| 19.2 | Testing if booking a reserved seat as a Business Passenger (from Test 10) updates the flight counters (on View Flight Details) correctly – name is the same | | | Click on Display Flight details page | | | | Window should display message that seat numbers have been updated correctly | | As expected | |  |
| 19.3 | Testing if booking a reserved seat as an Business Passenger (from Test 10) updates the total flight takings correctly – name is the same | | | Click on Display Flight details page | | | | Window should display message that total flight takings have been updated correctly | | As expected | |  |
| 20.1 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) displays an appropriate message – name is different | | | Click on Book seat page | | | | Window should display that seat is already reserved | | As expected | |  |
| 20.2 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) updates the flight counters (on View Flight Details) correctly – name is different | | | Click on Flight details  Page | | | | Window should display that seat counters should remain the same | | As expected | |  |
| 20.3 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) updates the total flight takings correctly – name is different | | | Click on Flight details  Page | | | | Window should display that the total flight takings counters should remain the same | | As expected | |  |
| 21.1 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) displays an appropriate message – name is the same | | | Clicking on the booking menu | | | | Window should display that seat has now been booked | | As expected | |  |
| 21.2 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) updates the flight counters (on View Flight Details) correctly – name is the same | | | Click on Display Flight details | | | | Window should display updated seat counters | | As expected | |  |
| 21.3 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) updates the total flight takings correctly – name is the same | | | Click on Display Flight details | | | | Window should display updated seat counters | | As expected | |  |
| For test 22 you will need to create a new Island Passenger and give them a reservation | | | | | | | | | | | | |
| 22.1 | Testing if reserving a reserved seat as an Island Passenger displays an appropriate message. | | Click on reserve a seat and choose passenger as an Island Resident | | | Window should display that the seat is now reserved | | | | As expected | |  |
| 22.2 | Testing if reserving a reserved seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | | Click on the Display Flight Details | | | | Window should display that the flight counter has been updated | | | As expected | |  |
| For test 23 you will need to create a new Business Passenger and give them a reservation | | | | | | | | | | | | |
| 23.1 | Testing if reserving a reserved seat as a Business Passenger displays an appropriate message. | Click on Booking Menu and Reserve a seat | | | Window should display that reservation is successful | | | | As expected | |  | |
| 23.2 | Testing if reserving a reserved seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display the updated flight counter | | | | As expected | |  | | | |
| For test 24 you will need to create a new Ordinary Passenger and give them a reservation | | | | | | | | | | | | | |
| 24.1 | Testing if reserving a reserved seat as an Ordinary Passenger displays an appropriate message. | Click on Booking Menu and Reserve a seat | | | Window should display that reservation is successful | | | | As expected | |  | | | |
| 24.2 | Testing if reserving a reserved seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display the updated flight counter | | | | As expected | |  | | | |
| 25.1 | Testing if reserving a booked seat as an Island Passenger displays an appropriate message. | Click on booking Menu to try to reserve a booked seat as an Island Resident | | | Window should display message that seat is already booked | | | | As expected | |  | | | |
| 25.2 | Testing if reserving a booked seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display that Number of reserved seats counter does not update | | | | As expected | |  | | | |
| 26.1 | Testing if reserving a booked seat as a Business Passenger displays an appropriate message. | Click on booking Menu to try to reserve a booked seat as a Business Traveller | | | Window should display message that seat is already booked | | | | As expected | |  | | | |
| 26.2 | Testing if reserving a booked seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display that Number of reserved seats counter does not update | | | | As expected | |  | | | |
| 27.1 | Testing if reserving a booked seat as an Ordinary Passenger displays an appropriate message. | Click on booking Menu to try to reserve a booked seat as an Ordinary Passenger | | | Window should display message that seat is already booked | | | | As expected | |  | | | |
| 27.2 | Testing if reserving a booked seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display that Number of reserved seats counter does not update | | | | As expected | |  | | | |
| 28.1 | Testing if booking a booked seat as an Island Passenger displays an appropriate message. | Click on booking Menu and try to book a seat as an Island Passenger that has already been booked | | | Window display message that seat is already booked | | | | As expected | |  | | | |
| 28.2 | Testing if booking a booked seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight details page | | | Window should display that Number of reserved seats counter does not update | | | | As expected | |  | | | |
| 28.3 | Testing if booking a booked seat as an Island Passenger updates the total flight takings correctly. | Attempt to book an already booked seat as an Island Resident | | | Window should display that seat takings do not update | | | | As expected | |  | | | |
| 29.1 | Testing if booking a booked seat as a Business Passenger displays an appropriate message. | Attempt to book an already booked seat as an Business Passenger | | | Window should display that seat is already booked | | | | As expected | |  | | | |
| 29.2 | Testing if booking a booked seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | Click on Display Flight page | | | Window should display that flight counters do not update after attempting to book a booked seat | | | | As expected | |  | | | |
| 29.3 | Testing if booking a booked seat as a Business Passenger updates the total flight takings correctly. | Attempt to book an already booked seat as an Business Passenger | | | Window should display that total flight takings do not update | | | | As expected | |  | | | |
| 30.1 | Testing if booking a booked seat as an Ordinary Passenger displays an appropriate message. | Attempt to book an already booked seat as an Ordinary Passenger | | | Window should display that seat is already booked | | | | As expected | |  | | | |
| 30.2 | Testing if booking a booked seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | Attempt to book an already booked seat as an Ordinary Passenger | | | Window should display that flight counters do not update | | | | As expected | |  | | | |
| 30.3 | Testing if booking a booked seat as an Ordinary Passenger updates the total flight takings correctly. | Attempt to book an already booked seat as an an Ordinary Passenger | | | Window should display that total flight takings do not update | | | | As expected | |  | | | |
| 31.1 | Testing Adding a Flight Displays new flight in All Flights menu | Click on Add New Flight link and enter details  Of new flight | | | Window should display a new flight to Skye in All Flights menu | | | | As expected | |  | | | |
| 31.2 | Testing Adding a Flight Displays new flight data in Database | Check database | | | Changes saved | | | | As expected | |  | | | |
| 32.1 | Testing changing flight status to Seats Available modifies the View Flight Details page view | Make seats available in Change  Flight status page | | | Window should  display that seats are now available | | | | As expected | |  | | | |
| 32.2 | Testing changing flight status to Checking In modifies the View Flight Details page view | Make Checking In available in Change  Flight status page | | | Window should  display that flight status is now Checking In | | | | As expected | |  | | | |
| 32.3 | Testing changing flight status to Boarding modifies the View Flight Details page view | Make Boarding available in Change  Flight status page | | | Window should  display that flight status is now Boarding | | | | As expected | |  | | | |
| 32.4 | Testing changing flight status to Flight Closed modifies the View Flight Details page view | Make flight closed in Change  Flight status page | | | Window should  display that flight status is now closed | | | | As expected | |  | | | |
| 33. | Testing to make sure the Flight Details are written to the Seats Table | Display details of SA1000 | | | Seats should be written | | | | As expected | | Print screen of “View Flight Details” screen + Seats table (on DB) | | | |
| 34. | Testing to make sure a Reserved seat is correctly written to the Passenger table | Display seat details of 1A in SA346 | | | Details should be written | | | | As expected | |  | | | |
| 35. | Testing to make sure a Booked seat is correctly written to the Passenger table | Display seat details of 1B in BA123 | | | Details should be written | | | | As expected | | Print screen of “View Seat Details” screen + Passenger table (on DB) | | | |