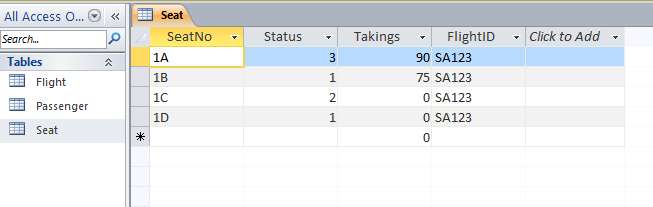
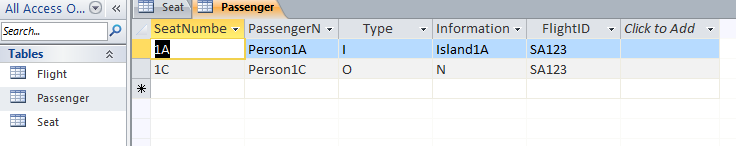
**Testing**

Database at start-

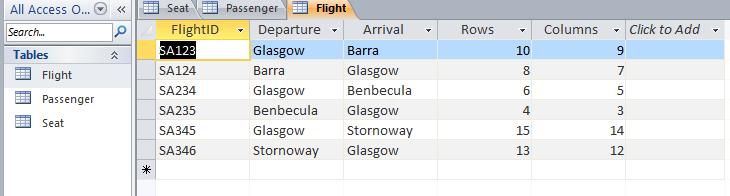
Seat Table:



Passenger Table:



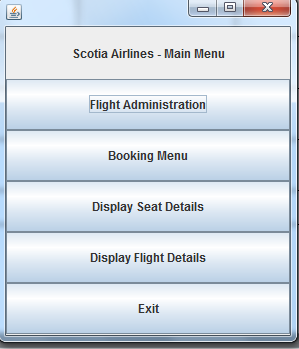
Flight Table:



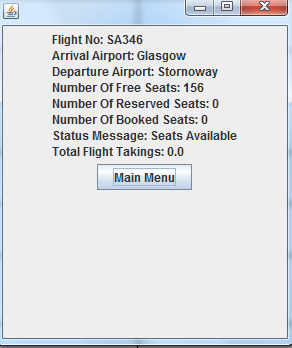
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| --- | --- | --- | --- | --- | --- |
| **Test No** | **Test Case** | **Input** | **Expected Output** | **Actual Output** | **Screenshots** |
| 1. | Testing the applications main menu appears when the app is first run | Compiling and running the application | Windows displaying main menu (Flight Admin, Bookings Menu, View Flight Details, View Seat Details, Quit) | As expected | Pic 1 |
| 2. | Testing the flight details are read from database and shown to user after pressing View Flight Details button | Click ‘View Flight Details’ then click on flight on select flight screen | Generic output displaying flight details | As expected | Pic 2 |
| 3. | Testing to see if a free seat’s details are shown when View Seat details is pressed | Click View Seat Details, select flight SA364, enter seat number 1A. | Generic output displaying seat details showing seat is free | As expected | Pic 3 |
| 4. | Testing to see if a reserved seat’s details are shown when View Seat details is pressed | Click View Seat, Select Flight SA123, Select Seat 1C | Generic output displaying seat details showing seat is reserved | As expected | Pic 4 |
| 5. | Testing to see if a booked seat’s details are shown when View Seat details is pressed | Click View Seat, Select Flight SA123, Select Seat 1A | Generic output displaying seat details showing seat is booked | As expected | Pic 5 |
| 6.1 | Testing if Cancelling a free seat displays appropriate message. | Click Booking menu, select flight SA364, Click cancel booking, enter seat number 1A | Generic output showing that a free seat cannot be cancelled | As expected | Pic 6.1 |
| 6.2 | Testing if Cancelling a free seat updates the flight counters (on View Flight Details) correctly. | View click on view flight details, select flight SA236 | Generic output showing flight details displayed, flight counters remain unchanged | As expected | Pic 6.2 |
| 7.1 | Testing if Cancelling a reserved seat displays appropriate message. | Click Booking menu, select flight SA123, Click cancel booking, enter seat number 1C | Generic output showing that seat has been cancelled | As expected | Pic 7.1 |
| 7.2 | Testing if Cancelling a reserved seat updates the flight counters (on View Flight Details) correctly. | Click view flight details, select flight SA123 | Generic output showing updated counters | As expected | Pic 7.2 |
| 8.1 | Testing if Cancelling a booked seat displays appropriate message. | Click Booking menu, select flight SA123, Click cancel booking, enter seat number 1A | Generic output showing cancellation message | As expected | Pic 8.1 |
| 8.2 | Testing if Cancelling a booked seat updates the flight counters (on View Flight Details) correctly. | View click on view flight details, select flight SA123 | Generic output showing booked seats down by 1 and takings unchanged | As expected | Pic 8.2 |
| 9.1 | Testing if reserving a free seat as an Island Passenger displays an appropriate message. | Booking menu, select flight, make reservation, seat number 1A, name john click local, enter barra as island click submit | Generic output showing seat 1A reserved by john | As expected | Pic 9.1 |
| 9.2 | Testing if reserving a free seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | View flight details, flight SA236 | Generic output showing reserved seats up by 1 | As expected | Pic 9.2 |
| 10.1 | Testing if reserving a free seat as a Business Passenger displays an appropriate message. | Booking menu, select flight SA236, make reservation, seat number 1B, name jim click business, enter comp1 as business click submit | Generic output showing seat 1B reserved by jim | As expected | Pic 10.1 |
| 10.2 | Testing if reserving a free seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | View flight details, flight SA236 | Generic output showing reserved seats up by 1 | As expected | Pic 10.2 |
| 11.1 | Testing if reserving a free seat as an Ordinary Passenger displays an appropriate message. | Booking menu, select flight, make reservation, seat number 1c, name dave click Ordinary, enter N as promo click submit | Generic output showing seat 1c reserved by dave | As expected | Pic 11.1 |
| 11.2 | Testing if reserving a free seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | View flight details, flight SA236 | Generic output showing reserved seats up by 1 | As expected | Pic 11.2 |
| 12.1 | Testing if booking a free seat as an Island Passenger displays an appropriate message | Booking menu, select flight SA235, make reservation, seat number 1A, name john click local, enter barra as island click submit | Generic output showing seat 1A reserved by john | As expected | Pic 12.1 |
| 12.2 | Testing if booking a free seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | View flight details View flight details SA235 | Generic output showing booked seats up by 1 | As expected | Pic 12.2 |
| 12.3 | Testing if booking a free seat as an Island Passenger updates the total flight takings correctly (with the Island Passengers discount). | View flight details SA235 | Takings up to 90 | As expected | Pic 12.2 |
| 13.1 | Testing if booking a free seat as a Business Passenger displays an appropriate message | Booking menu, select flight SA235, make reservation, seat number 1B, name jim click Business, enter comp1 as business click submit | Generic output showing seat 1B reserved by jim | As expected | Pic 13.1 |
| 13.2 | Testing if booking a free seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | Generic output showing booked seats up by 1 | As expected | Pic 13.2 |
| 13.3 | Testing if booking a free seat as a Business Passenger updates the total flight takings correctly (with the Island Passengers discount). | View flight details SA235 | Takings up to 90 | As expected | Pic 13.2 |
| 14.1 | Testing if booking a free seat as an Ordinary Passenger (no promo) displays an appropriate message | Booking menu, select flight SA235, make reservation, seat number 1C, name dave click local, enter N as promo click submit | Generic output showing seat 1C reserved by Dave | As expected | Pic 14.1 |
| 14.2 | Testing if booking a free seat as an Ordinary Passenger (no promo) updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | Generic output showing booked seats up by 1 | As expected | Pic 14.2 |
| 14.3 | Testing if booking a free seat as an Ordinary Passenger updates the total flight takings correctly (with no discount). | View flight details SA235 | Takings up to 90 | As expected | Pic 14.2 |
| 15.1 | Testing if booking a free seat as an Ordinary Passenger (promo included) displays an appropriate message | Seat number 1D booked by jack | Message displaying that jack has now booked 1D | As expected | Pic 15.1 |
| 15.2 | Testing if booking a free seat as an Ordinary Passenger (promo included) updates the flight counters (on View Flight Details) correctly. | View flight details on flight SA235. | Booked seats up to 4, free seats down to 9 | As expected | Pic 15.2 |
| 15.3 | Testing if booking a free seat as an Ordinary Passenger updates the total flight takings correctly (with promo discount). | View flight details on flight SA235. | £95 added to total takings | As expected | Pic 15.2 |
| 16.1 | Testing if booking a reserved seat as an Island Passenger (from Test 9) displays an appropriate message – name is different | Attempt to book seat 1A with name Jim on flight SA346 | Display error message | As expected | Pic 16.1 |
| 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 | Attempt to book seat 1A with name Jim on flight SA346 | Reserved seats 3, booked seats 0 | As expected | Pic 16.2 |
| 16.3 | Testing if booking a reserved seat as an Island Passenger (from Test 9) updates the total flight takings correctly – name is different | Attempt to book seat 1A with name Jim on flight SA346 | Flight takings 0.0 | As expected | Pic 16.2 |
| 17.1 | Testing if booking a reserved seat as an Island Passenger (from Test 9) displays an appropriate message – name is the same | Enter seat 1A on SA346. Book as John | Seat booked by John | As expected | Pic 17.1 |
| 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 | View flight details SA346 | Booked Seats 1  Takings 90 | As expected | Pic 17.2 |
| 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 | View flight details SA346 | Booked Seats 1  Takings 90 | As expected | Pic 17.2 |
| 18.1 | Testing if booking a reserved seat as a Business Passenger (from Test 10) displays an appropriate message – name is different | Attempt to book seat 1A with name dave on flight SA346 | Display error message | As expected | Pic 18.1 |
| 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 | View flight details SA346 | No change | As expected | Pic 18.2 |
| 18.3 | Testing if booking a reserved seat as a Business Passenger (from Test 10) updates the total flight takings correctly – name is different | View flight details SA346 | No change | As expected | Pic 18.2 |
| 19.1 | Testing if booking a reserved seat as a Business Passenger (from Test 10) displays an appropriate message – name is the same | Enter seat 1B on SA346. Book as Jim | Seat booked by Jim | As expected | Pic 19.1 |
| 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 | View flight details SA346 | Booked seats 2, reserved seats down by 1 | As expected | Pic 19.2 |
| 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 | View flight details SA346 | Takings up by £75 | As expected | Pic 19.2 |
| 20.1 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) displays an appropriate message – name is different | Enter seat 1C on SA346. Book as ordinary passenger named Jim | Display error message | As expected | Pic 20.1 |
| 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 | View flight details SA346 | No change | As expected | Pic 20.2 |
| 20.3 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) updates the total flight takings correctly – name is different | View flight details SA346 | No change | As expected | Pic 20.2 |
| 21.1 | Testing if booking a reserved seat as an Ordinary Passenger (from Test 11) displays an appropriate message – name is the same | Enter seat 1C on SA346. Book as ordinary passenger named Dave | Seat booked by Dave | As expected | Pic 21.1 |
| 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 | View flight details SA346 | Booked seats 3, reserved seats 0 | As expected | Pic 21.2 |
| 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 | View flight details SA346 | Takings up to £265 | As expected | Pic 21.2 |
| 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. | Attempt to reserve 1A on SA123 as Island passenger named Jack | Display error message | As expected | Pic 22.1 |
| 22.2 | Testing if reserving a reserved seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA123 | No change | As expected | Pic 22.2 |
| 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. | 1A on SA123 as Business passenger named Jack | Display error message | As expected | Pic 23.1 |
| 23.2 | Testing if reserving a reserved seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA123 | No change | As expected | Pic 23.2 |
| 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. | 1A on SA123 as Business passenger named Jack | Display error message | As expected | Pic 24.1 |
| 24.2 | Testing if reserving a reserved seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA123 | No change | As expected | Pic 24.2 |
| 25.1 | Testing if reserving a booked seat as an Island Passenger displays an appropriate message. | Attempt to reserve 1A on SA235 as Island passenger named Jack | Display error message | As expected | Pic 25.1 |
| 25.2 | Testing if reserving a booked seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 25.2 |
| 26.1 | Testing if reserving a booked seat as a Business Passenger displays an appropriate message. | Attempt to book 1A on SA235 as Business passenger named Jack | Display error message | As expected | Pic 26.1 |
| 26.2 | Testing if reserving a booked seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 26.2 |
| 27.1 | Testing if reserving a booked seat as an Ordinary Passenger displays an appropriate message. | Attempt to book 1A on SA235 as Ordinary passenger named Jack | Display error message | As expected | Pic 27.1 |
| 27.2 | Testing if reserving a booked seat as an Ordinary Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 27.2 |
| 28.1 | Testing if booking a booked seat as an Island Passenger displays an appropriate message. | Attempt to book 1A on SA235 as Island passenger named Jack | Display error message | As expected | Pic 28.1 |
| 28.2 | Testing if booking a booked seat as an Island Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 28.2 |
| 28.3 | Testing if booking a booked seat as an Island Passenger updates the total flight takings correctly. | View flight details SA235 | No change | As expected | Pic 28.2 |
| 29.1 | Testing if booking a booked seat as a Business Passenger displays an appropriate message. | Attempt to book 1A on SA235 as Business passenger named Jack | Display error message | As expected | Pic 29.1 |
| 29.2 | Testing if booking a booked seat as a Business Passenger updates the flight counters (on View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 29.2 |
| 29.3 | Testing if booking a booked seat as a Business Passenger updates the total flight takings correctly. | View flight details SA235 | No change | As expected | Pic 29.2 |
| 30.1 | Testing if booking a booked seat as an Ordinary Passenger displays an appropriate message. | Attempt to book 1A on SA235 as ordinary passenger named Jack | Display error message | As expected | Pic 30.1 |
| 30.2 | Testing if booking a booked seat as an Ordinary Passenger updates the flight counters (on As expected View Flight Details) correctly. | View flight details SA235 | No change | As expected | Pic 30.2 |
| 30.3 | Testing if booking a booked seat as an Ordinary Passenger updates the total flight takings correctly. | View flight details SA235 | No change | As expected | Pic 30.2 |
| 31.1 | Testing Adding a Flight Displays new flight in All Flights menu | View flight details, check list | Flight SA111 displayed in list | As expected | Pic 31.1 |
| 31.2 | Testing Adding a Flight Displays new flight data in Database | View DB flight table | Flight SA111 added to db | As expected | Pic 31.2 |
| 32.1 | Testing changing flight status to Seats Available modifies the View Flight Details page view | Change flight status SA 346 to seats available. View flight status SA346 | Status is seats available | As expected | Pic 32.1 |
| 32.2 | Testing changing flight status to Checking In modifies the View Flight Details page view | Change flight status SA 346 to checking in. View flight status SA346 | Status is checking in | As expected | Pic 32.2 |
| 32.3 | Testing changing flight status to Boarding modifies the View Flight Details page view | Change flight status SA 346 to boarding. View flight status SA346 | Status is boarding | As expected | Pic 32.3 |
| 32.4 | Testing changing flight status to Flight Closed modifies the View Flight Details page view | Change flight status SA 346 to closed. View flight status SA346 | Status is closed | As expected | Pic 32.4 |
| 33. | Testing to make sure the Flight Details are written to the Seats Table | View DB | Flight details in seats table | 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 | View DB | Reserved seat in passenger table (SA123, 1D & 1C) | As expected | Print screen of “View Seat Details” screen + Passenger table (on DB) |
| 35. | Testing to make sure a Booked seat is correctly written to the Passenger table | View DB | Booked seat in passenger table (SA235, 1A, 1B, 1C) | As expected | Print screen of “View Seat Details” screen + Passenger table (on DB) |

**Appendix**

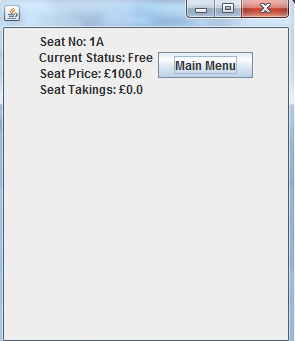
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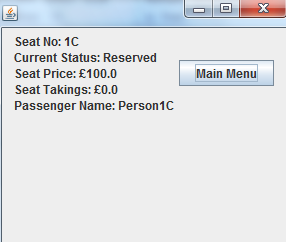
Pic 2



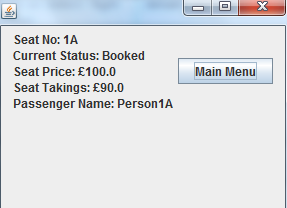
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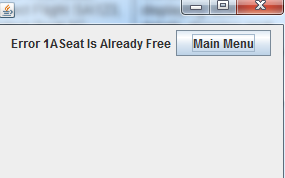
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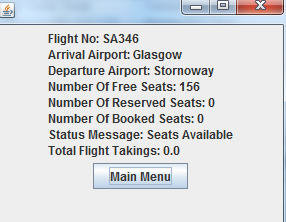
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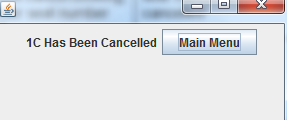
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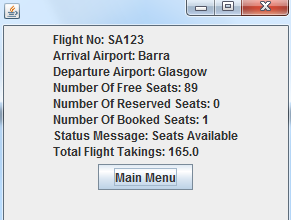
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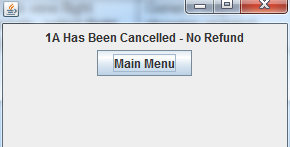
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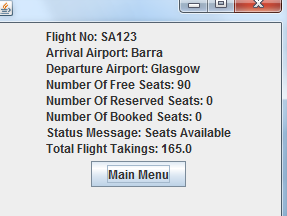
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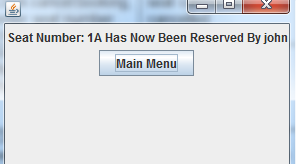
Pic 8.1



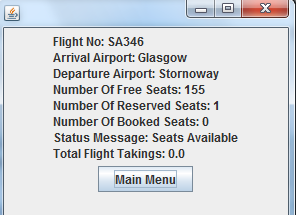
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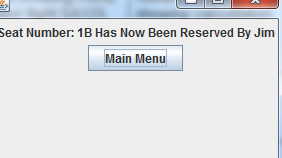
Pic 9.1



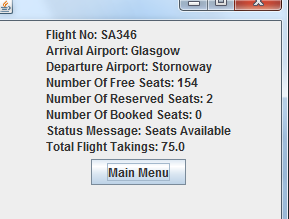
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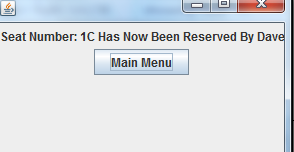
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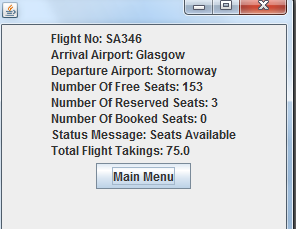
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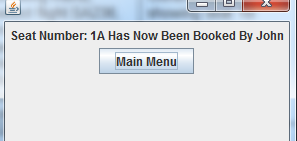
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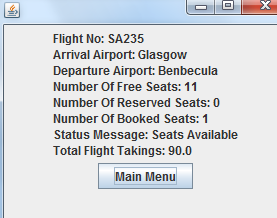
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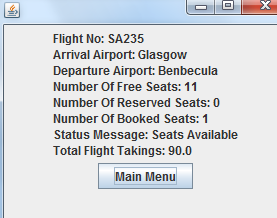
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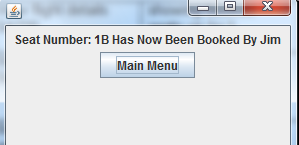
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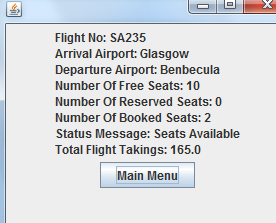
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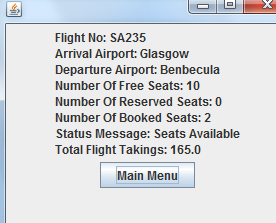
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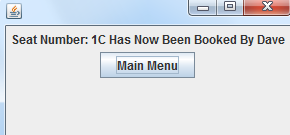
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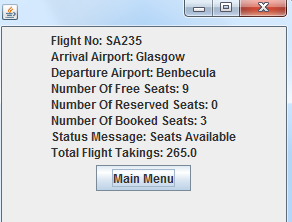
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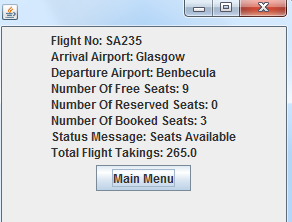
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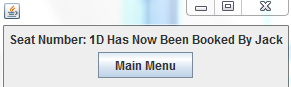
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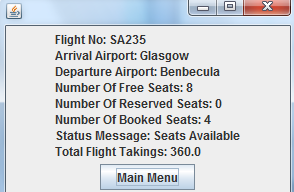
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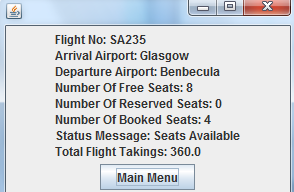
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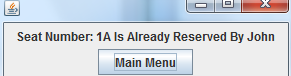
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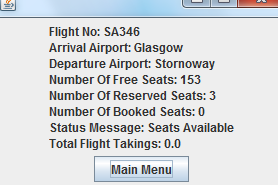
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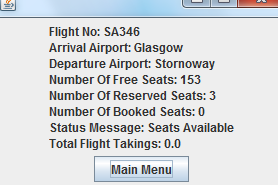
16.1



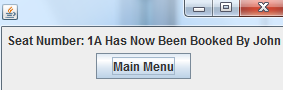
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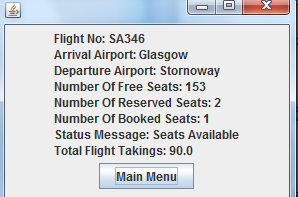
16.3



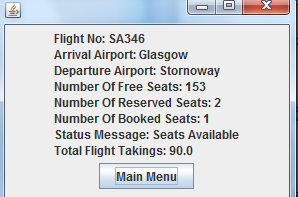
17.1



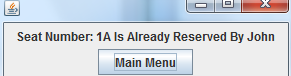
17.2



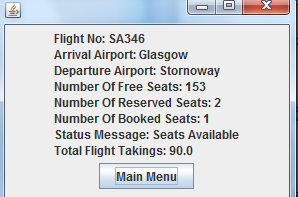
17.3



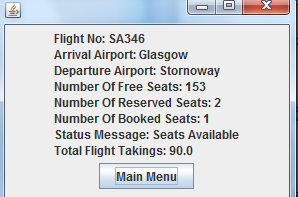
18.1



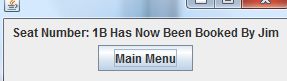
18.2



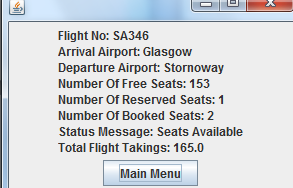
18.3



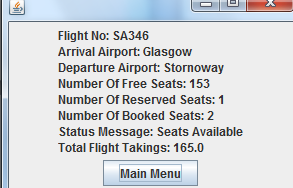
19.1



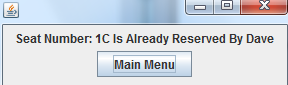
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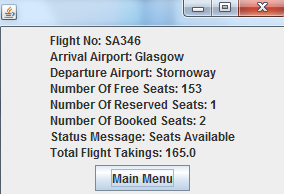
19.3



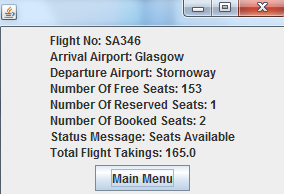
20.1



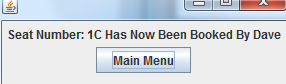
20.2



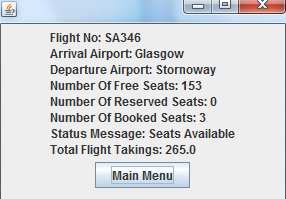
20.3



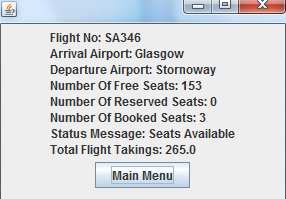
21.1



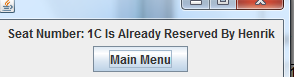
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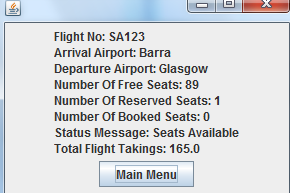
21.3



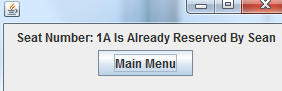
22.1



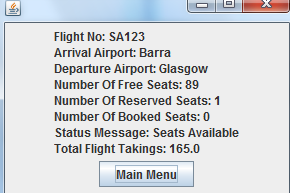
22.2



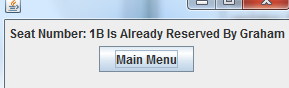
23.1



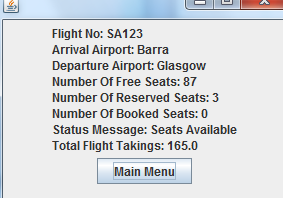
23.2



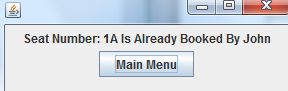
24.1



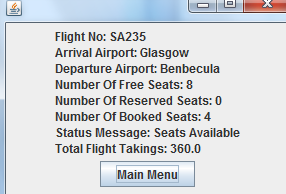
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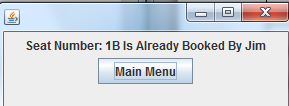
25.1



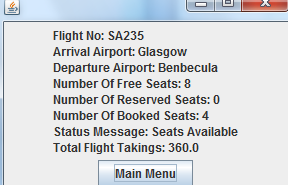
25.2



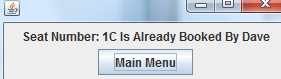
26.1



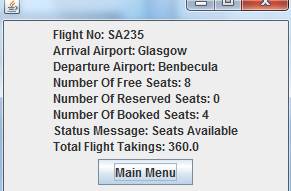
26.2



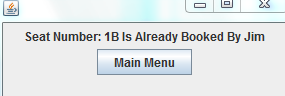
27.1



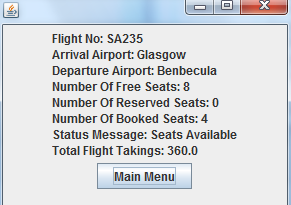
27.2



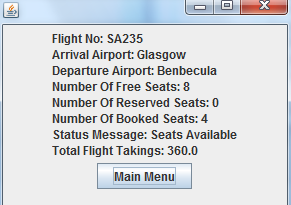
28.1



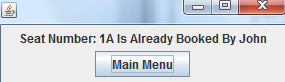
28.2



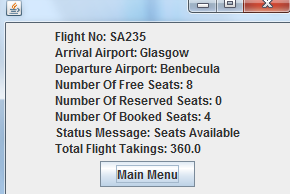
28.3



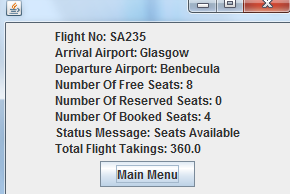
29.1



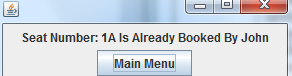
29.2



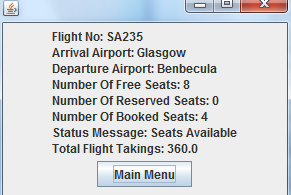
29.3



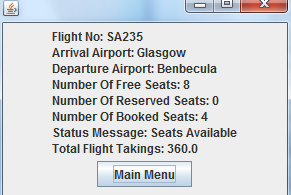
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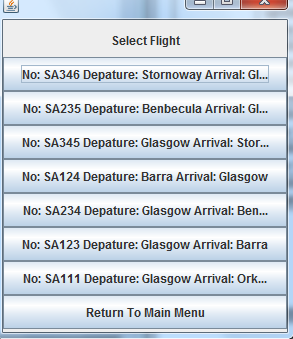
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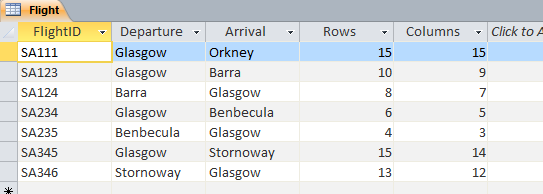
30.3



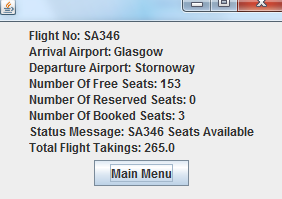
31.1



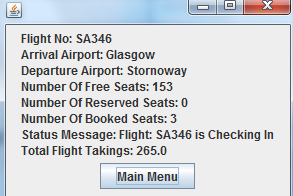
31.2



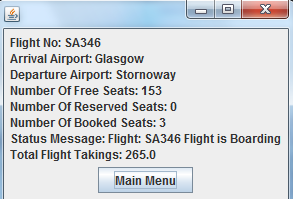
32.1



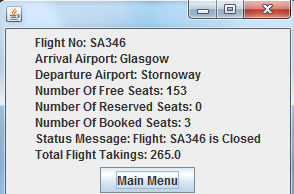
32.3



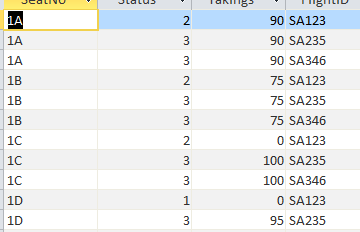
32.3



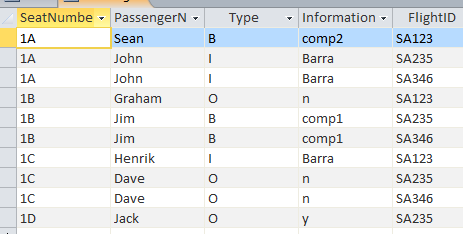
32.4



33.



34



35

