

Test Cases

Test Number	Test Input	Expected Result	Actual Result	Pass / Fail
1	Which Option you Choose to Execute : 'V' / 'v' Date and Destination that exists in the bookingInfoList is selected and confirmed, where seats 2, 7 and 42 are booked	GUI for the viewCustomer method appears. Seats 2 and 7 and 42 are Red and the Rest of the empty seats are Green, and all seats are disabled.	As Expected	Pass
2	Which Option you Choose to Execute : 'V' / 'v' Date and Destination that does not exist is selected.	GUI for the viewCustomer method appears. As this date does not exist a new array is made to store this data. Since all seats are empty they are Green, and all seats are disabled.	As Expected	Pass
3	Which Option you Choose to Execute : 'A' / 'a' Date and Destination that exists in the bookingInfoList is selected and confirmed, where seats 3 and 7 were already booked before. First and Last Name is Entered. Seat Number 34 and 2 is selected. And book button is pressed	GUI for the add method appears. Seats 3 and 7 are Red and are disabled. Seats 2 and 34 are Yellow when selected. Seats 2 and 34 become Red when booked and a 2D array is made storing the updated information. Which is then set to List based on the index. And for each seat a passenger Id is randomly generated to be Stored in the Mongo Database for Coursework 2	As Expected	Pass
4	Which Option you Choose to Execute : 'A' / 'a' Date and Destination that does not exist is selected. Seat 8 and 4 is Selected.	GUI for the add method appears. As this date does not exist a new array is made to store this data. Since all seats are empty they are Green. Seats 8 and 4 are Yellow when As Expected selected and	As Expected	Pass

	Exit button is pressed.	since exit button is the customers aren't updated to the bookingInfoList		
5	<p>Which Option you Choose to Execute : 'E' / 'e'</p> <p>Date and Destination that exists in the bookingInfoList is selected and confirmed, where seats 5, 6, 2 are 42 booked.</p>	<p>GUI for the empty method appears. Seats 5,6,2 and 42 are not shown and the Rest of the empty seats are Green and are show where they are disabled.</p>	As Expected	Pass
6	<p>Which Option you Choose to Execute : 'F' / 'f'</p> <p>Enter the Customer Name to be Found : "Luqman"</p> <p>Luqman has booked Seats 4, 24 and 30 on 2020/04/22 on the Destination Badulla to Nanouya. And Seat 9 is booked by Luqman on 2020/04/30 on the Destination Colombo-Peradiniya.</p>	<p>Date : 2020-04-22 Destination : Badulla-Nanuoya Seat Number : 4 Seat Number : 24 Seat Number : 30</p> <p>Date : 2020-04-30 Destination : Colombo-Peradeniya Seat Number : 9</p> <p>Is shown.</p>	As Expected	Pass
7	<p>Which Option you Choose to Execute : 'D' / 'd'</p> <p>Assume that the data for this below information is present.</p> <p>Please Enter your Date (FORMAT : yyyy-mm-dd) and The Destination (FORMAT : from-to) you want to delete the customer from</p> <p>Enter the Date : 2020/04/22</p> <p>Enter the Destination : Badulla-Colombo</p> <p>Enter the Customer Name you want the Seat to be</p>	<p>The specified seat for the given customer name is deleted from the 2D array that is stored in the bookingInfoList.</p> <p>Customer Successfully deleted is shown.</p>	As Expected	Pass

	Deleted From : Luqman Rumaiz Enter the Seat you want to be Delete : 4			
8	Which Option you Choose to Execute : 'O' / 'o' Assume that the data for this below information is present. And the customer in the array are , Luqman Rumaiz : Seat 4, 5 and 6. John Sanders : Seat 6 and 10 Mary Simpson : Seat 2 Please Enter your Date (FORMAT : yyyy-mm-dd) and The Destination (FORMAT : from-to) you want to delete the customer from Enter the Date : 2020/04/22 Enter the Destination : Badulla-Colombo	Customer Name : John Sanders Seat Number : 7 10 Customer Name : Luqman Rumaiz Seat Number : 4 5 6 Customer Name : Mary Simpson Seat Number : 2 Is shown.	As Expected	Pass
9	Which Option you Choose to Execute : 'S' / 's' Data in the List for the Dates 2020-04-17 Badulla-Peradeniya and 2020-05-01 Colombo-Badulla exists. In MongoDB these collections however do not exist	After the Mongo Database is connected locally, Database Connected Successfully is shown. Since the Collections do not exist a new collection name is made with the Format "Date Destination" in this case the collections are saved as "2020-04-17 Badulla-Peradeniya"and "2020-05-01 Colombo-Badulla" Where in each of these collections the data for each customer is saved 42 times as, Customer : "Luqman Rumaiz"	As Expected	Pass

		<p>Passenger Id : "P82"</p> <p>A passenger Id is saved for coursework 2.</p>		
10	<p>Which Option you Choose to Execute : 'S' / 's'</p> <p>Data in the List for the Dates 2020-04-25 Colombo-Badulla exists</p> <p>In MongoDB these collections these collections do exist.</p>	<p>After the Mongo Database is connected locally, Database Connected Successfully is shown.</p> <p>Since the collection does exist, Collection Exists is shown and all the existing document in the collection are deleted.</p> <p>And 42 new Documents are inserted containing the data from the list to the collection.</p>	As Expected	Pass
11	<p>Which Option you Choose to Execute : 'L' / 'l'</p> <p>In MongoDB these collections for the dates 2020-04-21 Badulla-Peradeniya and 2020-06-02 Colombo-Badulla exists.</p> <p>And the bookingInfoList has some data inside it before loading.</p>	<p>Firstly, the data in the bookingInfoList is cleared.</p> <p>Then data for each collection is successfully stored in the 2D Array the bookingInfoList stores information as.</p> <p>And since the bookingInfoList has this data it should be able to be accessed by all the options in the menu.</p>	As Expected	Pass
Validations				
12	Which Option you Choose to Execute : (Any Option Other than Given Options)	"The Option you Entered is Invalid !" is printed. And input is asked again.	As Expected	Pass
13	<p>Which Option you Choose to Execute : 'A' / 'a'</p> <p>User Tries to Select a Seat</p>	An Alert is shown informing the user to enter a date.	As Expected	Pass
14	<p>Which Option you Choose to Execute : 'A' / 'a'</p> <p>Date is Selected.</p> <p>From and To Stops in the Choice Boxes aren't selected.</p>	An Alert is shown informing the user to select a destination.	As Expected	Pass

	Select Date and Destination Button is Pressed			
15	<p>Which Option you Choose to Execute : 'A' / 'a'</p> <p>Date is Selected.</p> <p>From and To Stops in the Choice Boxes are the Same and selected.</p> <p>Select Date and Destination Button is Pressed</p>	An Alert is shown informing the user that the Choice in 'From' and 'To' cannot be the same	As Expected	Pass
16	<p>Which Option you Choose to Execute : 'A' / 'a'</p> <p>A Date and Destination is Selected and Confirmed</p> <p>First or Last Name Text Fields aren't entered.</p> <p>The User tries to Select a Seat.</p>	An Alert is shown informing the user that the user must enter both First and Last Name to Select a Seat.	As Expected	Pass
17	<p>Which Option you Choose to Execute : 'A' / 'a'</p> <p>A Date and Destination is Selected and Confirmed</p> <p>First or Last Name Text Fields aren't entered.</p> <p>Seat isn't Selected</p> <p>Book is pressed</p>	An Alert is shown informing the user that the user must select a seat first.		
18	<p>Which Option you Choose to Execute : 'F' / 'f'</p> <p>Enter the Customer Name to be Found : (A Name that does not exist in the bookingInfoList)</p>	"Name was not Found !" is shown	As Expected	Pass

19	<p>Which Option you Choose to Execute : 'D' / 'd'/'O'/'o'</p> <p>Information for a Date and Destination that does not exist is entered</p>	"Information for Given Date and Destination was not Found !" is shown	As Expected	Pass
20	<p>Which Option you Choose to Execute : 'D' / 'd'</p> <p>Information for a Date and Destination that exists is entered</p> <p>And the customer or seat number given to the customer that is entered does not exist.</p>	"Customer was not found was not Found !" is shown	As Expected	Pass
21	<p>Which Option you Choose to Execute : 'S'/'s'</p> <p>bookingInfoList is Empty.</p>	"There is no Data to Save !" is shown	As Expected	Pass
22	<p>Which Option you Choose to Execute : 'L'/'l'</p> <p>Mongo Database is Empty without any collections.</p>	"There is no Collections to Load Data From !" is shown	As Expected	Pass