

TEST PLAN for Programming Principles 2 (Train Booking program CW01). W1761265

Student Name: Nazhim Kalam Re-run program for every test			Student ID: 2019281	
Test No:	Test Input	Expected Result	Actual Result	Pass/Fail
1	*Click the ENTER KEY *Enter option: A or a	Displays the GUI for adding customer to seat.	Displays the GUI for adding customer to seat.	Pass
2	*Click the ENTER KEY *Enter option: V or v	Displays the GUI for viewing seats.	Displays the GUI for viewing seats.	Pass
3	*Click the ENTER KEY *Enter option: E or e	Displays the GUI for the empty seats.	Displays the GUI for the empty seats.	Pass
4	*Click the ENTER KEY *Enter option: D or d	Prompts a message asking the user to enter a date to delete the customer from. *displays "Please enter the date you wish to delete the customer from:"	Prompts a message asking the user to enter a date to delete the customer from. *displays "Please enter the date you wish to delete the customer from:"	Pass
5	*Click the ENTER KEY *Enter option: F or f	Prompts a message asking the user to enter the customer name. *displays "Please enter customer name:"	Prompts a message asking the user to enter the customer name. *displays "Please enter customer name:"	Pass
6	*Click the ENTER KEY *Enter option: S or s	Saves the data stored from the data structure into a database (mongo DB) *displays "Data successfully stored into the database"	Saves the data stored from the data structure into a database (mongo DB) *displays "Data successfully stored into the database"	Pass
7	*Click the ENTER KEY *Enter option: L or l	Loads the data stored from the database (mongo DB) to the data structure *displays "Data successfully loaded"	Loads the data stored from the database (mongo DB) to the data structure *displays "Data successfully loaded"	Pass
8	*Click the ENTER KEY *Enter option: R or r	It clears/deletes all the records stored in the database *displays "Database successfully cleared"	It clears/deletes all the records stored in the database *displays "Database successfully cleared"	Pass

9	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: O or o 	<p>Prompts a message asking the user to enter a date in order to view the seats in alphabetical order</p> <p>*displays "Enter a date in order to view the seats in alphabetical order by name:"</p>	<p>Prompts a message asking the user to enter a date in order to view the seats in alphabetical order</p> <p>*displays "Enter a date in order to view the seats in alphabetical order by name:"</p>	Pass
10	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: Q or q 	<p>Displays "Thanks for visiting Denuwara Express... Program Exiting..." and the system exits.</p>	<p>Displays "Thanks for visiting Denuwara Express... Program Exiting..." and the system exits.</p>	Pass
11	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select date 2020-05-20 from the date picker. *Select seat 1,2 and 3 *Enter name "Nazhim" in the customer name text field. *Click the BOOK button *Enter option: S 	<p>*The add customer to seat GUI will be displayed.</p> <p>*When user selects seat 1, 2 and 3 it will turn from green to red.</p> <p>*Once BOOK is clicked the GUI disappears.</p> <p>*Saves the updated data structures into the database</p>	<p>*The add customer to seat GUI will be displayed.</p> <p>*When user selects seat 1, 2 and 3 it will turn from green to red.</p> <p>*Once BOOK is clicked the GUI disappears.</p> <p>*Saves the updated data structures into the database</p>	Pass
12	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select date 2020-05-21 firstly *Select date 2020-05-20 secondly 	<p>*Firstly when date 2020-05-21 was selected you will be able to see that all the seats are unbooked or green in colour.</p> <p>*Secondly when date 2020-05-20 was selected you will be able to see seats 1,2 and 3 are red in colour which means they are booked.</p>	<p>*Firstly when date 2020-05-21 was selected you will be able to see that all the seats are unbooked or green in colour.</p> <p>*Secondly when date 2020-05-20 was selected you will be able to see seats 1,2 and 3 are red in colour which means they are booked.</p>	Pass
13	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: V *Select date 2020-05-20 from the date picker. *Click the CLOSE button *Select YES when an alert box pops up. 	<p>*The view all seats GUI will be displayed.</p> <p>*The seats 1,2 and 3 will only be in red color but the other seats will be in green color.</p>	<p>*The view all seats GUI will be displayed.</p> <p>*The seats 1,2 and 3 will only be in red color but the other seats will be in green color.</p>	Pass

14	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: E *Select date 2020-05-20 from the date picker. * Click the CLOSE button * Select YES when an alert box pops up. 	<ul style="list-style-type: none"> *The display empty seats GUI will be displayed. *The seats 1,2 and 3 will be invisible but the rest will be visible. 	<ul style="list-style-type: none"> *The display empty seats GUI will be displayed. *The seats 1,2 and 3 will be invisible but the rest will be visible. 	Pass
15	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: F *Enter the customer name as "Nazhim" 	<ul style="list-style-type: none"> *Displays messages "Nazhim's seat number is equal to 1 this was booked for 2020-05-20 from Colombo to Badulla Nazhim's seat number is equal to 2 this was booked for 2020-05-20 from Colombo to Badulla Nazhim's seat number is equal to 3 this was booked for 2020-05-20 from Colombo to Badulla" 	<ul style="list-style-type: none"> *Displays messages "Nazhim's seat number is equal to 1 this was booked for 2020-05-20 from Colombo to Badulla Nazhim's seat number is equal to 2 this was booked for 2020-05-20 from Colombo to Badulla Nazhim's seat number is equal to 3 this was booked for 2020-05-20 from Colombo to Badulla" 	Pass
16	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select date 2020-05-20 from the date picker. *Select seat 4 and 5. *Enter name "Adam" in the customer name text field. *Click the BOOK button *Enter option: S 	<ul style="list-style-type: none"> *the add customer to seat GUI will be displayed. *when user selects seat 4 and 5 it will turn from green to red. *once book is clicked the GUI disappears. *saves the updated data structures into the database. 	<ul style="list-style-type: none"> *the add customer to seat GUI will be displayed. *when user selects seat 4 and 5 it will turn from green to red. *once book is clicked the GUI disappears. *saves the updated data structures into the database. 	Pass
17	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: O *Enter "2020-05-20" 	<ul style="list-style-type: none"> *Displays message "adam seat number 4 booked on 2020-05-20 from Colombo to Badulla adam seat number 5 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 1 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 2 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 3 booked on 2020-05-20 from Colombo to Badulla" 	<ul style="list-style-type: none"> *Displays message "adam seat number 4 booked on 2020-05-20 from Colombo to Badulla adam seat number 5 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 1 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 2 booked on 2020-05-20 from Colombo to Badulla nazhim seat number 3 booked on 2020-05-20 from Colombo to Badulla" 	Pass

18	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: D *Enter "2020-05-20" *Enter "Nazhim" *Enter option: S 	<p>Displays message</p> <p>"Nazhim with the seat number 1 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla"</p> <p>Nazhim with the seat number 2 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla</p> <p>Nazhim with the seat number 3 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla"</p>	<p>Displays message</p> <p>"Nazhim with the seat number 1 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla"</p> <p>Nazhim with the seat number 2 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla</p> <p>Nazhim with the seat number 3 has been successfully deleted on this date, 2020-05-20 for the journey from Colombo to Badulla"</p>	Pass
19	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select 2020-05-20 from the date picker 	<p>*You will see the seat number 1,2 and 3 have turned into green color seats.</p> <p>*seat number 4 and 5 only remains red others all will be green in color.</p>	<p>*You will see the seat number 1,2 and 3 have turned into green color seats.</p> <p>*seat number 4 and 5 only remains red others all will be green in color.</p>	Pass
20	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: V *Select 2020-05-20 from the date picker 	<p>*You will see the seat number 1,2 and 3 have turned into green color seats.</p> <p>*seat number 4 and 5 only remains red others all will be green in color.</p>	<p>*You will see the seat number 1,2 and 3 have turned into green color seats.</p> <p>*seat number 4 and 5 only remains red others all will be green in color.</p>	Pass
21	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: E *Select 2020-05-20 from the date picker 	<p>*You will see the seat number 1,2 and 3 are visible.</p> <p>*seat number 4 and 5 remains invisible and other seats will be green in color.</p>	<p>*You will see the seat number 1,2 and 3 are visible.</p> <p>*seat number 4 and 5 remains invisible and other seats will be green in color.</p>	Pass
22	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: F *Enter the customer name as "Nazhim" 	<p>Displays message</p> <p>"Nazhim didn't book a seat therefore there is no seat number found."</p>	<p>Displays message</p> <p>"Nazhim didn't book a seat therefore there is no seat number found."</p>	Pass

23	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: F * Enter the customer name as “Adam” 	<p>Displays message “Adam’s seat number is equal to 4 this was booked for 2020-05-20 from Colombo to Badulla</p> <p>Adam’s seat number is equal to 5 this was booked for 2020-05-20 from Colombo to Badulla”</p>	<p>Displays message “Adam’s seat number is equal to 4 this was booked for 2020-05-20 from Colombo to Badulla</p> <p>Adam’s seat number is equal to 5 this was booked for 2020-05-20 from Colombo to Badulla”</p>	Pass
24	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: O *Enter “2020-05-20” 	<p>*Displays message “adam seat number 4 booked on 2020-05-20 from Colombo to Badulla</p> <p>adam seat number 5 booked on 2020-05-20 from Colombo to Badulla”</p>	<p>*Displays message “adam seat number 4 booked on 2020-05-20 from Colombo to Badulla</p> <p>adam seat number 5 booked on 2020-05-20 from Colombo to Badulla”</p>	Pass

VALIDATIONS

25	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Click BOOK 	<p>*An Alert box will pop up with this message</p> <p>“Please select a date from the date picker”</p>	<p>*An Alert box will pop up with this message</p> <p>“Please select a date from the date picker”</p>	Pass
26	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select any date from the date picker. *Click the BOOK button 	<p>*An Alert box will pop up with this message</p> <p>“Seems like you didn’t book any seat, click yes to exit”</p>	<p>*An Alert box will pop up with this message</p> <p>“Seems like you didn’t book any seat, click yes to exit”</p>	Pass
27	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Click the CLOSE button 	<p>*An Alert box will pop up with this message</p> <p>“Are you sure you want to close?”</p>	<p>*An Alert box will pop up with this message</p> <p>“Are you sure you want to close?”</p>	Pass
28	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Click the exit (red cross) button on the GUI interface. 	<p>*An Alert box will pop up with this message</p> <p>“Are you sure you want to close?”</p>	<p>*An Alert box will pop up with this message</p> <p>“Are you sure you want to close?”</p>	Pass

29	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: Z 	Displays message "Please enter a correct option from (A, V, E, D, F, S, L, R, O, Q) only..."	Displays message "Please enter a correct option from (A, V, E, D, F, S, L, R, O, Q) only..."	Pass
30	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select 2020-05-21 from the date picker. *Select seat 1. *Click BOOK button *Enter option: S *Enter option: L *Enter option: O *Enter "2020-05-21" 	*Displays message "cus_1 seat number 1 booked on 2020-05-21 from Colombo to Badulla"	*Displays message "cus_1 seat number 1 booked on 2020-05-21 from Colombo to Badulla"	Pass
31	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select 2020-05-21 from the date picker. *Select seat 2. *Enter name "+*/-12@#\$%" *Click BOOK button 	*An Alert box will pop up with this message "You have entered an invalid name NOTE that customer name should not contain numerical values or other special characters such as! , @, #, \$, %, ^, &, *, (,), /, -, + etc. Please re-enter name"	*An Alert box will pop up with this message "You have entered an invalid name NOTE that customer name should not contain numerical values or other special characters such as! , @, #, \$, %, ^, &, *, (,), /, -, + etc. Please re-enter name"	Pass
32	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Select 2020-05-22 from the date picker. *Select seat 1. *Enter customer name as "john". *Click BOOK button *Enter option: S *Enter option: L *Enter option: O *Enter "2020-05-22" 	*Displays message "john seat number 1 booked on 2020-05-22 from Colombo to Badulla"	*Displays message "john seat number 1 booked on 2020-05-22 from Colombo to Badulla"	Pass
33	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: D *Enter date: "2020-04-05" *Enter name: "Nazhim" 	*Displays message "Sorry the date you have entered 2020-04-05 cannot be found from the database"	*Displays message "Sorry the date you have entered 2020-04-05 cannot be found from the database"	Pass

34	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: D *Enter date: "2020-05-20" *Enter name: "sam" 	<ul style="list-style-type: none"> *Displays message "Sorry the customer sam has not booked a seat on this date" 	<ul style="list-style-type: none"> *Displays message "Sorry the customer sam has not booked a seat on this date" 	Pass
35	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: O *Enter date: "2020-06-12" 	<ul style="list-style-type: none"> *Displays message "Sorry there are no booking details found for the date you have entered 2020-06-12" 	<ul style="list-style-type: none"> *Displays message "Sorry there are no booking details found for the date you have entered 2020-06-12" 	Pass
36	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: D *Enter date: "ab@! #cd" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter the date you wish to delete the customer from:" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter the date you wish to delete the customer from:" 	Pass
37	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: D *Enter date: "2020-04-11" *Enter name: "! @\$%^" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter customer name in order to delete the seat:" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter customer name in order to delete the seat:" 	Pass
38	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: F *Enter name: "! @\$%^" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter customer name:" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Please enter customer name:" 	Pass
39	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: O *Enter date: "asd!@\$" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Enter a date in order to view the seats in alphabetical order by name:" 	<ul style="list-style-type: none"> *Displays message and asks the user to re enter "- You have entered an invalid input Enter a date in order to view the seats in alphabetical order by name:" 	Pass
40	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: L *Enter option: A *Enter "anne" in the customer name field *Click the BOOK button 	<ul style="list-style-type: none"> *Displays an ALERT BOX with the message "Please select a date from the date picker" 	<ul style="list-style-type: none"> *Displays an ALERT BOX with the message "Please select a date from the date picker" 	Pass
41	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: A *Click on a random seat 	<ul style="list-style-type: none"> *Displays an alert box with the message "Please select a date from the date picker" 	<ul style="list-style-type: none"> *Displays an alert box with the message "Please select a date from the date picker" 	Pass

42	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: A *Select any date from the date picker. *Select any number of seats. *Click the CLOSE button *Click YES on the confirmation box. *Enter option: A 	You will be able to see that the selected seats have turned GREEN in colour which means UNBOOKED	You will be able to see that the selected seats have turned GREEN in colour which means UNBOOKED	Pass
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Return Journey				
43	<ul style="list-style-type: none"> *Enter "Y" or "y" instead of the ENTER key *Re do the test cases from 1 to 42 	Gives the same output but replaces "Colombo to Badulla" into "Badulla to Colombo"	Gives the same output but replaces "Colombo to Badulla" into "Badulla to Colombo"	Pass

Additional Option				
44	<ul style="list-style-type: none"> *Click the ENTER KEY *Enter option: "R" or "r" *Enter option: q 	This will empty the database records from Colombo to Badulla.	This will empty the database records from Colombo to Badulla.	Pass
45	<ul style="list-style-type: none"> *Enter "Y" or "y" *Enter option: "R" or "r" *Enter option: q 	This will empty the database records from Badulla to Colombo.	This will empty the database records from Badulla to Colombo.	Pass