

Test Case Design

Test case 1: Insert bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide all information of a bus schedule with new bus id	Unique 01 Dhaka Chittagong etc	Provided data will be saved in database and will show "Inserted successfully" message	Inserted successfully	Pass
2	Check bus id in existing database				
3	Click insert				

Test case 2: Insert bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not provide all information of a bus schedule.	Unique 01	Error message "Provide all information" will show	Provide all information	Pass
2	Click insert				

Test case 3: Delete bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide valid bus id	01	Information of the selected bus will be removed from database and will show "Deleted successfully" message	Deleted successfully	Pass
2	Check bus id in existing database				
3	Click delete				

Test case 4: Delete bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not provide bus id	NULL	Error message "Provide bus id to delete" will show	Provide bus id to delete	Pass
2	Click delete				

Test case 5: Update bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide all information with valid bus id	Unique 01	If bus id matches then provided data will be updated in database and will show "Updated successfully" message	Updated successfully	Pass
2	Check bus id in existing database				
3	Click update				

Test case 6: Update bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not provide bus id and other information	NULL	Error message "Please select record to update" will show	Please select record to update	Pass
2	Click update				

Test case 7: Update bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide all information with invalid bus id	Unique 00	Error message "This bus id does not exist" will show	This bus id does not exist	Pass
2	Check bus id in existing database				
3	Click update				

Test case 8: Delete bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide invalid bus id	00	Error message "This bus schedule does not exist in database" will show	This bus schedule does not exist in database	Pass
2	Check bus id in existing database				
3	Click delete				

Test case 9: Insert bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide all information with existing bus id	Unique 01	Error message "This bus id exists in database" will show	This bus id exists in database	Pass
2	Check bus id in existing database				
3	Click delete				

Test case 10: Search bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide time and location to search bus schedule	Dhaka Comilla 16/11/2018	Searching result will show in grid view	Bus schedule shows for selected time and location	Pass
2	Check in database				
3	Click search				

Test case 11: Search bus schedule

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not provide date or location to search bus schedule	Dhaka 16/11/2018	Error message "Please provide the information" will show	Please provide the information	Pass
2	Check in database				
3	Click search				

Test case 12: Customer seat booking

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Select a schedule from searching result	Shaikot 019000000 shaikot@gmail.com 5	Information will save in database and the amount of seat will decrease from bus schedule database and "Booking successfully" message will show	Booking and generating of ticket successfully	Pass
2	Provide customer's personal information and amount of seat		and it will generate a ticket with random ticket number		
3	Click seat booking				
4	Generate ticket				

Test case 13: Customer seat booking

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not select any schedule from searching result	Shaikot 019000000 shaikot@gmail.com 5	Error message "Provide all information" will show	Provide all information	Pass
2	Provide customer's personal information and amount of seat				
3	Click seat booking				

Test case 14: Customer seat booking

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Select a schedule from searching result		Error message "Please Provide or select the information correctly" will show	Please Provide or select the information correctly	Pass
2	Do not provide customer's personal information or amount of seat				
3	Click seat booking				

Test case 15: Customer seat booking

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not select any schedule from searching result	NULL	Error message “Provide all information” will show	Provide all information	Pass
2	Do not provide customer’s personal information or amount of seat				
3	Click seat booking				
4	Generate ticket				

Test case 16: Customer details search

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide valid ticket number and customer name to view details	182712 Shaikot	Selected customer’s details will show	Customer details shows	Pass
2	Check in database				
3	Click search				

Test case 17: Customer details search

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Provide invalid ticket number and customer name to view details	19 Abul	Error message “There is no such ticket” will show	There is no such ticket	Pass
2	Check in database				
3	Click search				

Test case 18: Customer details search

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not provide ticket number or customer name	19 Abul	Error message “This ticket is not exist” will show	This ticket is not exist	Pass
2	Click search				

Test case 19: Customer seat cancel

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Select that customer details from searching result		Customer details will remove from database and available seat will increase and “Deleted successfully” message will show	Deleted successfully	Pass
2	Click delete				

Test case 20: Customer seat cancel

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Do not select that customer details from searching result		Error message “Select customer details from searching result” will show	Select customer details from searching result	Pass
2	Click delete				

Test case 21: Customer details view

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)
1	Click Customer details		It will show customer details form	Goes to customer details form	Pass

Requirement Traceability Matrix

[illegible]

All pair testing

Entry, Delete, Update View form: (Insert, update and delete schedule):

busid	nameofbus	from	to	dateofjourney	departuretime	arrivaltime	availableseat	fare
char	null	int	int	char	null	int	zero	null
pos int	char	null	char	null	int	char	null	pos int
char	int	char	null	int	char	null	pos int	pos int
zero	int	int	char	int	int	int	neg int	char
null	char	char	null	char	null	char	char	char
neg int	null	null	int	null	char	null	zero	char
char	char	int	null	null	char	char	neg int	neg int
neg int	null	char	char	char	int	int	pos int	zero
neg int	int	null	char	int	null	null	char	neg int
zero	null	null	null	char	char	int	zero	pos int
null	char	char	int	int	int	null	null	null
zero	int	char	int	null	null	char	pos int	null
null	int	null	int	char	char	null	neg int	zero
pos int	char	int	null	char	int	int	pos int	neg int
char	int	null	char	char	char	int	null	char
null	null	int	int	null	null	int	char	pos int
null	null	null	int	int	int	char	pos int	neg int
pos int	char	char	null	int	null	char	zero	zero
zero	null	int	null	null	null	null	null	zero
pos int	null	null	int	int	char	null	char	null
neg int	null	char	null	char	null	char	neg int	pos int
char	null	null	char	null	int	int	char	zero
null	int	char	char	null	int	int	zero	neg int
pos int	int	int	char	int	int	char	neg	int char
neg int	char	int	char	null	null	char	neg int	null
zero	char	int	char	null	int	int	null	neg int
neg int	char	int	null	null	char	int	null	null
zero	int	char	char	char	null	char	pos int	char
zero	null	null	null	null	int	null	char	null

Customer Booking form: (Search bus schedule):

from	to	dateofjourney
char	null	int
null	int	null
int	char	int
null	null	char
int	int	char
char	char	null
null	int	int
int	null	null
char	int	char
null	char	char

Customer Booking form: (Seat booking):

name	amountofseat	contactno	email
int	null	char	char
null	pos int	neg int	null
char	neg int	char	int
null	zero	char	null
int	zero	null	int
char	zero	neg int	char
char	null	zero	null
null	pos int	zero	int
int	char	char	null
int	pos int	char	char
null	zero	pos int	char
null	null	null	int
char	char	null	char
int	neg int	neg int	char
null	neg int	null	null
int	null	neg int	int
char	null	pos int	int
null	char	pos int	null
int	neg int	pos int	int
int	char	zero	int
null	zero	zero	char
char	pos int	null	char
null	neg int	zero	char
null	char	neg int	null
int	pos int	pos int	char

Customer Details form: (Seat Cancel):

ticketno	name
rest of int	null
pos int	char
rest of int	char
null	char
char	char
char	null
pos int	null
null	null
rest of int	int
null	int
char	int
pos int	int