Function	# Description	Sample Input Data	Expected Output	Actual Output	P/F
setEmptyPassengers		ssengerList[] where each passenger in the array's operties are garbage values	[p ₁ , p ₂ , p ₃ ,, p ₁₆] where properties of any p from p ₁ to p ₁₆ are as follows: firstName="" lastName="", onboard=0, priority=0, id=0, dropOff=0, reserved=0	[p1, p2, p3,, p16] where properties of any p from p1 to p16 are as follows: firstName="" lastName="", onboard=0, priority=0, id=0, dropOff=0, reserved=0	P P
	1		members m have the following properties: m1, m2, m3,, m10 have trip have trip numbers 101, 102, 103,, 110 respectively m11, m12, m13,, m22 have trip have trip numbers 150, 151, 152,, 161 respectively	members m have the following properties: m ₁ , m ₂ , m ₃ ,, m ₁₀ have trip have trip numbers 101, 102, 103,, 110 respectively m ₁₁ , m ₁₂ , m ₁₃ ,, m ₂₂ have trip have trip numbers 150, 151, 152,, 161 respectively	Р
			<pre>for all m except for m where trip number is 110 or 161 dispatchable = 1 otherwise, dispatchable = 0</pre>	for all m except for m where trip number is 110 or 161 dispatchable = 1 otherwise, dispatchable = 0	
			for m with trip numbers 101, 103, 105, 107, 109 route = [20050, 10010, 10020, 10040, 0]	for m with trip numbers 101, 103, 105, 107, 109 route = [20050, 10010, 10020, 10040, 0]	
			for m with trip numbers 102, 104, 106, 108, 110 route = [20050, 10030, 10040, 0, 0]	for m with trip numbers 102, 104, 106, 108, 110 route = [20050, 10030, 10040, 0, 0]	
initializeBuses	members with garbage	ip[] where each Bus' properties are garbage values	for m with trip numbers 150, 152, 154, 156, 158, 160 route = [10040, 20010, 20030, 20040, 20050]	for m with trip numbers 150, 152, 154, 156, 158, 160 route = [10040, 20010, 20030, 20040, 20050]	Р
	values		for m with trip numbers 151, 153, 155, 157, 159, 161 route = [10040, 20020, 20030, 20040, 20050]	for m with trip numbers 151, 153, 155, 157, 159, 161 route = [10040, 20020, 20030, 20040, 20050]	
			for all m, nReserveCount = 0	for all m, nReserveCount = 0	
	3		for all m, with passengers[] and for all p passengers, passengers are set to <code>createEmptyPassenger()</code> for all m with a particular trip number, next is linked as such with the pointer to each bus 101->102->103->104->105->106->107->108->109 140->151->152->153->154->155->156->157->158->159->160	for all m, with passengers[] and for all p passengers, passengers are set to <code>createEmptyPassenger()</code> for all m with a particular trip number, next is linked as such with the pointer to each bus 101->102->103->104->105->106->107->108->109 140->151->152->153->154->155->156->157->158->159->160	P
		r = "5"	5	5	Р
stringToInt	character input data contains a string four characters	r = "2025"	2025	2025	Р
	input data contains a string with a leading zero st	r = "01"	1	1	Р
	bus with all passengers that have property onboard on set to 0 (not onboard)	ssengerList in bus is $[p_1,\ p_2,\ p_3,\ \dots\ ,\ p_{16}]$ where $p_n.$ board = 0 for all p	Ø	0	Р
getPassengerCount	bus with all passengers that have property onboard on set to 1 (onboard)	ssengerList in bus is $[p_1, p_2, p_3, \ldots, p_{16}]$ where p_n . board = 1 for all p	16	16	Р
	bus with every other passenger has their property onboard set to 1 on (onboard)	ssengerList in bus = $[p_1, p_2, p_3, \ldots, p_{16}]$ where p_n . board = 1 when n is even	8	8	Р
	onboard on	ssengerList in bus is $[p_1, p_2, p_3, \ldots, p_{16}]$ where p_n . board = 0 for all p ssengerList in bus is $[p_1, p_2, p_3, \ldots, p_{16}]$ where p_n .	0	0	P
isTripFull	onboard on bus with 13 passengers pa	board = 1 for all p ssengerList in bus = $[p_1, p_2, p_3,, p_{16}]$ where p_n .	1 a		P P
	trip number specified tr	board = 1 when n <= 13 ips[] with a bus that has a trip number of 109	pointer to the bus with a trip number of 109 that is found in the array of trips	pointer to the bus with a trip number of 109 that is found in the array of trips	P
getBusFromTripNumber		ipNumber = 109 ips[] with bus numbers from 101-110 and 150-161	NULL	NULL	
ge ebusi i omi i pivumbei	number tr	<pre>ipNumber = 140 ips[] with a bus that has a special trip number of 110</pre>	pointer to the bus with a trip number of 110 that is found in the array of trips	pointer to the bus with a trip number of 110 that is found in the array of trips	
	trip number trips array where the	<pre>ipNumber = 110 ips[] with special trip numbers 110 and 161 have their</pre>	The list of Manila to Laguna buses from AE-101 to AE-109 and the list of Laguna to Manila buses		+
	dispatchable	spatchable property set to 0	from AE-150 to AE-160	The list of Manila to Laguna buses from AE-101 to AE-109 and the list of Laguna to Manila buses from AE-150 to AE-160	P
displayTripList	2 dispatchable and linked, but not special trip 161 see	<pre>ips[] with special trip number 110 dispatchable property t to 1 and special trip number 161 dispatchable property t to 0 ips[] with special trip number 110 dispatchable property</pre>	The list of Manila to Laguna buses from AE-101 to AE-110 and the list of Laguna to Manila buses from AE-150 to AE-160	The list of Manila to Laguna buses from AE-101 to AE-110 and the list of Laguna to Manila buses from AE-150 to AE-160	P
	3 and linked, but not special trips array where special trip	t to 0 and special trip number 161 dispatchable property t to 1 ips[] with special trip numbers 110 and 161 have their	The list of Manila to Laguna buses from AE-101 to AE-109 and the list of Laguna to Manila buses from AE-150 to AE-161 The list of Manila to Laguna buses from AE-101 to AE-110 and the list of Laguna to Manila buses	The list of Manila to Laguna buses from AE-101 to AE-109 and the list of Laguna to Manila buses from AE-150 to AE-161	P
	dispatchable and linked	ips[] with special trip numbers 110 and 161 have their	from AE-150 to AE-161	The list of Manila to Laguna buses from AE-101 to AE-110 and the list of Laguna to Manila buses from AE-150 to AE-161	P
	1 normal bus (101-109 or 150-160) us	spatchable property set to 0 er input: 104 ins[] with special trip numbers 110 and 161 have their	pointer to the corresponding bus with a trip number of 104 found in the trip array passed	pointer to the corresponding bus with a trip number of 104 found in the trip array passed	P
getInputTripNumber	does not correspond to any of the trip numbers us	spatchable property set to 0 er input: 115	program displays "Invalid trip number. Please enter a valid trip number." and attempts to take use input again	program displays "Invalid trip number. Please enter a valid trip number." and attempts to take user input again	P
	to dispatchable, but user di input attempts to access it us	ips[] with special trip numbers 110 and 161 have their spatchable property set to 0 er input: 110	program displays "Bus selected is not currently dispatchable. Please enter a trip number listed." and attempts to take user input again	program displays "Bus selected is not currently dispatchable. Please enter a trip number listed." and attempts to take user input again	Р
icValidTninNumbon	input is a valid trip	put: 101	1		P
isValidTripNumber	number of a special bus in in in in	put: 110 put: 169	0	0	P P
	1 in	put: 10010	program displays: Mamplasan Toll Exit	program displays: Mamplasan Toll Exit	P
İ	input is any valid code (10010, 10020, 10030, in		program display:	program display:	

Function	# Description	Sample Input Data	Expected Output	Actual Output	P/F
	20030, 20040, 20050)	input: 20050	program displays:	program displays:	Р
	a input is any valid code	<u> </u>	Gate 1: South Gate (LS Building Entrance)	Gate 1: South Gate (LS Building Entrance)	
	1 input is any valid code (10010, 10020, 10030,	input: 10020, and a string with any value	program sets the string value to "Phase 5, San Jose Vilage"	program sets the string value to "Phase 5, San Jose Vilage"	P
getDropOffPointFromCode	$\frac{2}{10040}$, 20010, 20020,	input: 10040, and a string with any value	program sets the string value to "Milagros Del Rosario Building - East Canopy"	program sets the string value to "Milagros Del Rosario Building - East Canopy"	P
	3 20030, 20040, 20050)	input: 20020, and a string with any value	program sets the string value to "College of St. Benilde (CSB) along Taft Avenue"	program sets the string value to "College of St. Benilde (CSB) along Taft Avenue"	P
	input is a string set to		10010	10010	P
getDropOffCodeFromString	the name of any valid drop-off	input: "Petron Gasoline Station along Gil Puyat Avenue"	20010	20010	P
	3 5. 5.	input: "Milagros Del Rosario Building - East Canopy"	10040	10040	P
		input: passenger is an empty passenger	Passenger has the following properties:	Passenger has the following properties:	
		priorty = 3	priorty = 3	priorty = 3	
	1 input passenger is empty	firstName = "Sky" lastName = "Garcia"	<pre>firstName = "Sky" lastName = "Garcia"</pre>	<pre>firstName = "Sky" lastName = "Garcia"</pre>	P
		id = 12409537	id = 12409537	id = 12409537	
		<pre>dropOffPoint = 10010 nReserve = 0</pre>	<pre>dropOffPoint = 10010 nReserve = 0</pre>	dropOffPoint = 10010 nReserve = 0	
		Passenger already has the following properties as follows		incestive – o	
		priorty = 3			
		<pre>firstName = "Sky" lastName = "Garcia"</pre>			
		id = 12409537	Passenger has the following properties:	Passenger has the following properties:	
		<pre>dropOffPoint = 10010 nReserve = 0</pre>	priorty = 6	priorty = 6	
and December 2	input passenger has set	livezer.ne = A	firstName = "John"	firstName = "John"	P
setPassenger	values already	input data is as follows:	lastName = "Doe" id = 12412345	lastName = "Doe" id = 12412345	
		<pre>priorty = 6 firstName = "John"</pre>	dropOffPoint = 10030	dropOffPoint = 10030	
		lastName = "Doe"	nReserve = 1	nReserve = 1	
		id = 12412345			
		<pre>dropOffPoint = 10030 nReserve = 1</pre>			
		Passenger's properties are all garbage values	Passenger has the following properties:	Passenger has the following properties:	
			Passenger has the following properties:	Lassenger has the rottomthg higher tres.	
		<pre>input data is as follows: priorty = 6</pre>	priorty = 6	priorty = 6	
	input passenger is all garbage values	firstName = "John"	<pre>firstName = "John" lastName = "Doe"</pre>	<pre>firstName = "John" lastName = "Doe"</pre>	P
	gar bage varaes	lastName = "Doe" id = 12412345	id = 12412345	id = 12412345	
		dropOffPoint = 10030	<pre>dropOffPoint = 10030 nReserve = 1</pre>	<pre>dropOffPoint = 10030 nReserve = 1</pre>	
		nReserve = 1	IIIVESELAE = I	likeSel-Ve = 1	
		ID Number: 12409537			
		First Name (NOTE: DO NOT INCLUDE ANY SPACES):			
		Sky Last Name: (NOTE: DO NOT INCLUDE ANY SPACES):			
		Garcia	Passenger Input Successfully!	Passenger Input Successfully!	
	December is the first t	Priority Number: 3	Name : Garcia, Sky	Name : Garcia, Sky	
	1 board a trip	Do you want to reserve? 1 - Yes	ID Number : 12409537 Priority : 3	ID Number : 12409537 Priority : 3	P
	· ·	0 - No	Seat Number : 1	Seat Number : 1	
		0 Drop off Point:	Trip Number : AE-101	Trip Number : AE-101	
		1 (10010) - Mamplasan Toll Exit			
		2 (10020) - Phase 5, San Jose Vilage 3 (10040) - Milagros Del Rosario Building - East Canopy			
		1			
		ID Number:			
		12324567 First Name (NOTE: DO NOT INCLUDE ANY SPACES):			
		Matthew			
		Last Name: (NOTE: DO NOT INCLUDE ANY SPACES):			
		Priority Number: 1	Passenger Input Successfully!	Passenger Input Successfully!	
	Passenger reserves a bla seat in a bus that isn't	nk Do you want to reserve?	Name : Ong, Matthew ID Number : 12324567	Name : Ong, Matthew ID Number : 12324567	
inputPassenger	2 full yet and has less th		Priority : 1	Priority : 1	P
inputrassenger.	13 passengers	1 Please input a seat number from 1 to 13:	Seat Number : 6 Trip Number : AE-101	Seat Number : 6 Trip Number : AE-101	
		6	Thip Number . At-101	11-1p Nulliber . AE-101	
		Drop off Point:			
		1 (10010) - Mamplasan Toll Exit 2 (10020) - Phase 5, San Jose Vilage			
		3 (10040) - Milagros Del Rosario Building - East Canopy	·		
		ID Number:			
		12149876	Moving a Lucas Fenril to another seat to accomodate Mark Alvinez.	Moving a Lucas Fenril to another seat to accomodate Mark Alvinez.	
		First Name (NOTE: DO NOT INCLUDE ANY SPACES):			
		Mark Last Name: (NOTE: DO NOT INCLUDE ANY SPACES):	Passenger Input Successfully!	Passenger Input Successfully!	
		Alvinez	Name : Alvinez, Mark ID Number : 12149876	Name : Alvinez, Mark ID Number : 12149876	
	Passenger reserves a tak	Priority Number: 1 Do you want to reserve?	Priority : 1	Priority : 1	
	seat of a lower priority	1 - Yes	Seat Number : 2 Trip Number : AE-101	Seat Number : 2 Trip Number : AE-101	p
	non-reserved passenger in a bus that is not full	.n 0 - No			'
		Please input a seat number from 1 to 13:	Passenger Input Successfully! Name : Fenril, Lucas	Passenger Input Successfully! Name : Fenril, Lucas	
		2 Drop off Point:	ID Number : 12345678	ID Number : 12345678	
		1 (10010) - Mamplasan Toll Exit	Priority : 2 Seat Number : 3	Priority : 2	
		2 (10020) - Phase 5, San Jose Vilage	Thin Number : AE-101	Seat Number : 3 Trip Number : AE-101	
		3 (10040) - Milagros Del Rosario Building - East Canopy 1			
	1 input is a unique ID	input: 12416723	0	0	P
	input is a unique ID, bu				P
searchPassengerId	2 is not a usual DLSU- formatted ID number	input: 45367623			۲
	input is an ID that	1			
	3 already exists in some trip	input: 12416723			P
L	=r	<u>l</u>		<u>_</u>	

Function	# Description	Sample Input Data	Expected Output	Actual Output P/F
Tunccion	# Description	Sample Input Data	Program displays the following:	Program displays the following:
			What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")	What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")
	user inputs all valid information and does not reserve a set	trip with trip number 101 has no passengers onboard user input data in this sequence: 101 12412345 Gian Ortha 4 0 1	=====MANILA-LAGUNA=== ===LAGUNA-MANILA=== AE-102	============
encodePassengerInformation	user inputs all valid information and reserves seat on a trip with less than 13 passengers	trip with trip number 101 has no passengers onboard user input data in this sequence: 101 12412345 Gian Ortha 4 1 3 1	Type any character and press return to continue Program displays the following: What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")	Type any character and press return to continue Program displays the following: What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")

Function	# Description Sample Input Data	Expected Output	Actual Output	P/F
T WILCOLD II	" Best speed	Program displays the following:	Program displays the following:	
		What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")	What trip will you be boarding? (Please input the 3-digit number of the trip excluding the "AE")	
		========List of Trips========= ====MANILA-LAGUNA==== ===LAGUNA-MANILA====	 ======List of Trips======== ====MANILA-LAGUNA==== ===LAGUNA-MANILA====	
		AE-101	AE-101	
		AE-103	AE-103	
		AE-105 AE-154 AE-106 AE-155 AE-107 AE-156	AE-105 AE-154 AE-106 AE-155 AE-107 AE-156	
		AE-107	AE-107	
		AE-159 AE-160	AE-159 AE-160	
	trip with trip number 101 has 13 passengers onboard on the first 13 seats	Please input a trip number from the list above.	=====================================	
	user input data in this sequence:	101 ======Enter Details Below======= ID Number:	======Enter Details Below======== ID Number:	
	user inputs all valid 101 information and reserves a seat on a trip with 13 or Gian	12412345 First Name (NOTE: DO NOT INCLUDE ANY SPACES):	12412345 First Name (NOTE: DO NOT INCLUDE ANY SPACES):	P
	more passengers Ortha 4	Gian Last Name: (NOTE: DO NOT INCLUDE ANY SPACES): Ortha	Gian Last Name: (NOTE: DO NOT INCLUDE ANY SPACES): Ortha	
		Priority Number: 4 Do you want to reserve?	Priority Number: 4 Do you want to reserve?	
		1 - Yes 0 - No	1 - Yes 0 - No	
		Please input a seat number from 1 to 16:	Please input a seat number from 1 to 16:	
		Drop off Point: 1 (10010) - Mamplasan Toll Exit	Drop off Point: 1 (10010) - Mamplasan Toll Exit	
		2 (10020) - Phase 5, San Jose Vilage 3 (10040) - Milagros Del Rosario Building - East Canopy	2 (10020) - Phase 5, San Jose Vilage 3 (10040) - Milagros Del Rosario Building - East Canopy	
		Passenger Input Successfully!	Passenger Input Successfully!	
		Name : Ortha, Gian ID Number : 12412345	Name : Ortha, Gian ID Number : 12412345	
		Priority : 4 Seat Number : 14 Trip Number : AE-101	Priority : 4 Seat Number : 14 Trip Number : AE-101	
		Type any character and press return to continue	Type any character and press return to continue	
	trips[] where for element busn bus1, bus2, bus3,, bus9 each have 16 passengers	nFullA is set to 1	nFullA is set to 1	P
	Laguna line are full nFullA = 0 nFullB = 0	bus ₉ .next is set to pointer to bus ₁₀ bus ₁₀ .dispatchable is set to 1	bus9.next is set to pointer to bus10 bus10.dispatchable is set to 1	
	trips[] where for element busn bus11, bus12, bus13,, bus21 each have 16 passengers	nFullB is set to 1	nFullB is set to 1	
getBusFull	2 Manila line are full nFullA = 0 nFullB = 0	bus ₂₁ .next is set to pointer to bus ₂₂ bus ₂₁ .dispatchable is set to 1	bus ₂₁ .next is set to pointer to bus ₂₂ bus ₂₁ .dispatchable is set to 1	P
	trips[] where for element busn			
	3 already both set to 1 nFullA = 1	no data is changed	no data is changed	P
	nFullB = 1	Program displays:	Program displays:	
		++ x x x ++	++ x x x ++	
		++ x x x	++ x x x	
	bus input contains exactly bus with passenger list where first 13 passengers' onboard	++ ++ x x x	++ ++ x x x	P
	13 passengers property is set to 1	+++ ++	+++ ++	
		x x x ++ +		
		X D ++	X D ++	
		Passenger Count: 13 Program displays:	Passenger Count: 13 Program displays:	
		+++ x x x x +++	+++ x x x x +++	
		++ x x x x	+++ x x x x	
displayPassengerCount	bus input contains more bus with passenger list where each passenger onboard	+++ +++ x x x x	+++ +++ X	P
	than 13 passengers property is set to 1	+++ +++	++++ +++	
		X D ++	X D ++	
		Passenger Count: 16 Program displays:	Passenger Count: 16 Program displays:	
		++ x x 0 ++	++ x x 0 ++	
		+++ x 0 0	+++ x 0 0	
	bus input contains bus with passenger list where first 2 passengers' onboard property is set to 1 and the 4th passenger's onboard	++ ++ 0	++ ++ 0 0 0	P
	between them property is set to one.	++ ++	+++ ++	
		0 0 0 ++	0	
		++ O D ++	++ O D ++	
		Passenger Count: 3	Passenger Count: 3	
	1 inputted trip is empty AE101 is the selcted trip and it has 0 passengers	Drop-off count for Trip Number AE-101 0 - Mamplasan Toll Exit 0 - Phase 5, San Jose Vilage	Drop-off count for Trip Number AE-101 0 - Mamplasan Toll Exit 0 - Phase 5, San Jose Vilage	P
		0 - Milagros Del Rosario Building - East Canopy	0 - Milagros Del Rosario Building - East Canopy	

Function	# Description	Sample Input Data	Expected Output	Actual Output P/F
viewDropOffCount	2 Inputted trip has passengers	AE101 is the selected trip and it has 4 passengers. Two are going to Maplasan, and the other 2 are going to San Jose Village	Dron-off count for Trin Number AE-101	Drop-off count for Trip Number AE-101 2 - Mamplasan Toll Exit 2 - Phase 5, San Jose Vilage 0 - Milagros Del Rosario Building - East Canopy
	3 Inputted trip has passengers	AE101 is the selected trip and it has 3 passengers. One is going to Maplasan, one is going to San Jose Village, and the last is going to Milagros.	Drop-off count for Trip Number AE-101 1 - Mamplasan Toll Exit 1 - Phase 5, San Jose Vilage 1 - Milagros Del Rosario Building - East Canopy ===================================	Drop-off count for Trip Number AE-101 1 - Mamplasan Toll Exit 1 - Phase 5, San Jose Vilage 1 - Milagros Del Rosario Building - East Canopy ====================================
	1 Inputted trip is empty	AE101 is the selected trip and it has no passengers onboard.	First Name Last Name ID NUMBER Priority	First Name Last Name ID NUMBER Priority
	2 Inputted trip has one passenger	AE101 has one passenger on board with the following information First Name: Fides Last Name: Bancoro ID Number: 12403537 Priority: 4	First Name Last Name ID NUMBER Priority Fides Bancoro 12403537 4	First Name Last Name ID NUMBER Priority
viewPassengerInformation	Inputted trip has more than one passenger	AE101 has two passengers on board with the following information Pass1: First Name: Fides Last Name: Bancoro ID Number: 12403537 Priority: 4 Pass2: First Name: Daniel Last Name: David ID Number: 12419537 Priority: 5	First Name Last Name ID NUMBER Priority	First Name Last Name ID NUMBER Priority
	user inputs a last name 1 that matches exactly 1 passenger on some trip	user inputs: Ortha trips 101 contains a passenger with the following information: Name: Ortha, Gian Priority 1 Seat #1 ID no. 12455555	Program displays: Passenger Found! First Name : Gian Last Name : Ortha Trip Number : 101 Seat Number : 1 ID Number : 12455555 Priority : 1	Program displays: Passenger Found! First Name : Gian Last Name : Ortha Trip Number : 101 Seat Number : 1 ID Number : 12455555 Priority : 1
searchPassenger	user inputs a last name 2 that matches at more than 1 passenger on some trip		Program displays: Passenger Found! First Name : Gian Last Name : Ortha Trip Number : 101 Seat Number : 1 ID Number : 12455555 Priority : 1	Program displays: Passenger Found! First Name : Gian Last Name : Ortha Trip Number : 101 Seat Number : 1 ID Number : 12455555 Priority : 1
		on trip 150: Ortha, Lorenzo, priority 2, seat #16, ID no. 12477777	Passenger Found! First Name : Lorenzo Last Name : Ortha Trip Number : 150 Seat Number : 16 ID Number : 12477777 Priority : 2	Passenger Found! First Name : Lorenzo Last Name : Ortha Trip Number : 150 Seat Number : 16 ID Number : 12477777 Priority : 2
	user inputs a last name that does not match any passengers on any trip	user inputs: allkjlkadfj	program displays: No passenger(s) with last name allkjlkadfj found!	program displays: No passenger(s) with last name allkjlkadfj found! Program displays:
	file that user specifies 1 exists and contains valid information	Embarkation Point: Gate 1: South Gate (LS Building Entrance) Passenger Name: doe, john ID Number: 12414697	Program displays: Information scanned successfully! Inputting passenger Passenger Input Sucessfully! Name : doe, john ID Number : 12414697 Priority : 5 Seat Number : 15	Information scanned successfully! Inputting passenger Passenger Input Sucessfully! Name : doe, john ID Number : 12414697 Priority : 5 Seat Number : 15
loadPassengerFromFile		Priority: 5 Drop-Off Point: Mamplasan Toll Exit user inputs: "passenger.txt" File information is as follows:	Trip Number : AE-109	Trip Number : AE-109
	file that user specifies contains information that is not valid		Program displays: Trip number provided is not valid! Aborting operation	Program displays: P Trip number provided is not valid! Aborting operation
	file that user specifies does not exist	user inputs: "non-existent.txt" file does not exist	Program displays: File with the name non-existent.txt not found!	Program displays: Program displays: Prile with the name non-existent.txt not found!
	file that user specifies 4 has an extension that is not .txt	user inputs: "passenger.rtf"	File extension not supported! This operation only supports .txt files.	File extension not supported! This operation only supports .txt files.

Function	# Description	Sample Input Data	Expected Output	Actual Output	P/F
1		user inputs: "31-03-2025.txt"			
		three passengers are specified in the file as follows:	Program displays:	Program displays:	
		Trip Number: 101 Embarkation Point: Gate 1: South Gate (LS Building	Displaying trip information for 31-03-2025.txt	Displaying trip information for 31-03-2025.txt	
		Entrance)	Trip Number: 101	Trip Number: 101	
		Passenger Name: doe, john	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	
		ID Number: 124555555	Passenger Name: doe, john	Passenger Name: doe, john	
1		Priority: 1	ID Number: 124555555	ID Number: 124555555	
		Drop-Off Point: Mamplasan Toll Exit	Priority: 1	Priority: 1	
			Drop-Off Point: Mamplasan Toll Exit	Drop-Off Point: Mamplasan Toll Exit	
		Trip Number: 102			
	file that user specifies	·	Trip Number: 102	Trip Number: 102	P
	exists	Entrance)	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	
		Passenger Name: doe, john	Passenger Name: doe, john	Passenger Name: doe, john	
 loadTripFromFile		ID Number: 123555555	ID Number: 12355555	ID Number: 123555555	
TOAUTT IPPT OMPTIE		Priority: 1 Drop-Off Point: Mamplasan Toll Exit	Priority: 1 Drop-Off Point: Mamplasan Toll Exit	Priority: 1	
		Drop-Off Point: Mampiasan Toll Exit	Drop-OTT POINT: Mampiasan Toll Exit	Drop-Off Point: Mamplasan Toll Exit	
		Trip Number: 103	Trip Number: 103	Trip Number: 103	
		Embarkation Point: Gate 1: South Gate (LS Building	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	Embarkation Point: Gate 1: South Gate (LS Building Entrance)	
		Entrance)	Passenger Name: doe, john	Passenger Name: doe, john	
		Passenger Name: doe, john	ID Number: 12255555	ID Number: 12255555	
		ID Number: 12255555	Priority: 1	Priority: 1	
		Priority: 1	Drop-Off Point: Mamplasan Toll Exit	Drop-Off Point: Mamplasan Toll Exit	
		Drop-Off Point: Mamplasan Toll Exit			
			Program displays:	Program displays:	
	file that user specifies				P
	does not exist		File with the name 48-03-2025.txt not found!	File with the name 48-03-2025.txt not found!	
	file that user specifies		Program displays:	Program displays:	
	3 has an extension that is not .txt	user inputs: "31-03-2025.dat"	File extension not supported! This operation only supports .txt files.	File extension not supported! This operation only supports .txt files.	P