Train Travel Black Box Test Plan

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Introduction

The Train Travel program is used for creating reservations for an intercity train. This black box test plan tests the initialization of the program by entering the parameters of the Train (the number of cars) as well as the creation and modification of assigned seating reservations for first class cars.

The program is started by running the TrainUI.java class. The user will be prompted to enter a number of cars for the train they are initializing and then the main GUI will pop up. The left side of the GUI displays seating maps for cars and has input fields for creating and modifying reservations. The right side of the GUI displays all existing reservations in the order of oldest to newest from top to bottom.

Test ID	Description	Expected Results	Actual Results
testValidTrainInitializationMiddleValue	Preconditions: none	A dialog box pops	A dialog box pops
(Noah Benveniste)		up, prompting the	up, prompting the
	Run TrainTravelGUI.java	user to enter the	user to enter the
		number of cars	number of cars
	Enter 7 into the pop-up dialog box		
		After the user	After the user
	Use the arrow keys to navigate the cars	enters a valid	enters a valid
	in the Train Reservation System GUI that	number of cars,	number of cars,
	pops up	the Train	the Train
		Reservation	Reservation
	Check results	System GUI pops	System GUI pops
		up, displaying the	up, displaying the
		seating map for	seating map for
		the first car on	the first car on
		the left and the	the left and the
		reservation list on	reservation list on
		the right	the right
		Using the arrow	Using the arrow
		keys to navigate	keys to navigate
		the cars on the	the cars on the
		left side of the	left side of the
		GUI, the first two	GUI, the first two
		cars are first class,	cars are first class,
		the next four are	the next four are
		second class, and	second class, and
		the last car is	the last car is
		bicycle class	bicycle class
testNewComfortReservation	Preconditions:	The new	The new
(Noah Benveniste)	testValidTrainInitializationMiddleValue	reservation is	reservation is
	has passed	created and is	created and is
		displayed in the	displayed in the
	Run TrainTravelGUI.java	Reservations	Reservations
		section of the GUI	section of the GUI
	Enter 4 into the pop-up dialog box	with the following	with the following
		information:	information:

	I		
	In the Train Reservation System GUI,		
	enter 2 into the box for Number of	1000 Comfort	1000 Comfort
	Passengers	Class [1-1B, 1-1C]	Class [1-1B, 1-1C]
	Select Comfort Class for kind	The seating map	The seating map
		for car #1 displays	for car #1 displays
	Select Add New Reservation	seats 1B and 1C	seats 1B and 1C
	Select Add New Nesel Valion		
		with an 'x' in their	with an 'x' in their
	Check results	cells indicating	cells indicating
		they are reserved	they are reserved
testModifyComfortReservation	Preconditions:	The reservation is	The reservation is
(Noah Benveniste)	testValidTrainInitializationMiddleValue	created and	created and
·	and	shows up in the	shows up in the
	testNewComfortReservation have passed	Reservation	Reservation
	testive weoffior theservation have passed	section of the	section of the
	D. Tutta dell'i		
	Run TrainTravelGUI.java	GUI.	GUI.
	Enter 4 into the pop-up dialog box	The seating man	The seating man
	Litter 4 litto the pop-up dialog box	The seating map	The seating map
		shows seats 1-1B	shows seats 1-1B
	In the Train Reservation System GUI,	and 1-1C as being	and 1-1C as being
	enter 2 into the box for Number of	reserved.	reserved.
	Passengers		
		Seats 1-1B and 1-	Seats 1-1B and 1-
	Select Comfort Class for kind	1C are no longer	1C are no longer
	Select Common Class for Kind	reserved (i.e. the	reserved (i.e. the
	Coloot Add Nov. Decemention	'x' is removed in	'x' is removed in
	Select Add New Reservation		
		their cells and the	their cells and the
	In the Reservation section of the GUI,	seat number is	seat number is
	select the reservation that was just	replaced) and	replaced) and
	created (ID 1000)	now seats 1-2A	now seats 1-2A
		and 1-3A have 'x'	and 1-3A have 'x'
	Select Change Seats on Selected	indicating that	indicating that
	Reservation	they are reserved.	they are reserved.
	Nesel Vation	they are reserved.	they are reserved.
	In the pop-up dialog box, enter 1-2A , 1 -	The reservation in	The reservation in
	3A and then click OK	the Reservation	the Reservation
	SA and their click OK		
		section of the GUI	section of the GUI
	Check results	has also been	has also been
		updated to	updated to
		display the	display the
		following:	following:
		1000 Comfort	1000 Comfort
		Class [1-2A, 1-3A]	Class [1-2A, 1-3A]
testDeleteReservation	Preconditions:	The reservation is	The reservation is
(Noah Benveniste)	TestValidTrainInitializationMiddleValue	created and	created and
	has passed	shows up in the	shows up in the
		Reservation	Reservation
	Run TrainTravelGUI.java	section of the	section of the
	Hammaverdonjava	GUI.	GUI.
	Enter 4 into the pop-up dialog box		
		1000 Economy	1000 Economy
	In the Train Reservation System GUI,	Class [3-19A,3-	Class [3-19A,3-
		_	_
	enter 2 into the box for Number of	19B]	19B]
	Passengers		
		The seat map for	The seat map for

		T	
	Select Economy Class for kind	Car #3 shows that	Car #3 shows that
		seats 19A and 19B	seats 19A and
	Check the box that says Reserved Seats	are reserved with	19B are reserved
		an "x" in their	with an "x" in
	Select Add New Reservation	cells	their cells
	In the Reservation section of the GUI,	The reservation is	The reservation is
	select the reservation that was just	removed from the	removed from the
	created (ID 1000)	Reservations	Reservations
	,	section of the	section of the
	Select Delete Selected Reservation	GUI, the section is	GUI, the section is
		now empty	now empty
	Check results		
		The seat map for	The seat map for
		Car #3 shows all	Car #3 shows all
		seats being free	seats being free
		to reserve again	to reserve again
testNoReservedBicycleSeats	Preconditions:	A pop-up dialog	A pop-up dialog
(Noah Benveniste)	TestValidTrainInitializationMiddleValue		
(Noah Benveniste)	has passed	appears saying "Cannot reserve	appears saying "Cannot reserve
	ilas passeu		
	Dun Train Tray of CIII iaus	seats in a Bicycle Car"	seats in a Bicycle Car"
	Run TrainTravelGUI.java	Car	Car
	Futor A into the new year dialog her	The recognistion is	The reservation is
	Enter 4 into the pop-up dialog box	The reservation is	
	to the Tails Been alle Cales City	created as a non-	created as a non-
	In the Train Reservation System GUI,	reserved	reserved
	enter 2 into the box for Number of	reservation:	reservation:
	Passengers	4000 Pianala Class	4000 Pin d
	Calact Bissala Class for hind	1000 Bicycle Class	1000 Bicycle
	Select Bicycle Class for kind	(2)	Class (2)
	Charletha have that save Becomes 15t-		
	Check the box that says Reserved Seats		
	·		
	Check the box that says Reserved Seats Check results		

Document Revision History

Date	Author	Change Description
9/21/17	Noah Benveniste	Added three test cases
9/22/17	Noah Benveniste	Proofread for grammar and spelling, made sure tests were answering relevant questions about use cases
10/13/17	Noah Benveniste	Added additional tests for final black box testing