Wally's Service Garage Black Box Test Plan

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Introduction

This black box plan will test the robustness of the Wally's Service Garage program. There are multiple ways to start this program: Option 1, using a command-line argument or Option 2, through a file chooser.

Option 1:

- Place small_car_list.txt file inside project folder in Eclipse
- Open Arguments tab under Run > Run Configurations
- Type file name in the text area
- Click apply
- Click Run to run the application with the small_car_list.txt file

Option 2:

- Run GUI
- Select small_car_list.txt In the file chooser
- Open the file

Test ID	Description	Expected Results	Actual Results
Test Open	Preconditions: Open program using	Vehicles Awaiting Service:	Vehicles Awaiting Service:
File	either Options 1 or 2	E Gold NC-5678 LeBlanc, Bryan	E Gold NC-5678 LeBlanc,
		R None NC-122 Doe, John	Bryan
	Description:		R None NC-122 Doe, John
	Open small_car_list.txt file	Service Bays:	
		108: EMPTY	Service Bays:
		106: EMPTY	108: EMPTY
		105: EMPTY	106: EMPTY
		103: EMPTY	105: EMPTY
		102: EMPTY	103: EMPTY
		E01: EMPTY	102: EMPTY
		E04: EMPTY	E01: EMPTY
		E07: EMPTY	E04: EMPTY
			E07: EMPTY
Test Add	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
New		E Gold NC-5678 LeBlanc, Bryan	E Gold NC-5678 LeBlanc,
Vehicle	Description:	R Gold NC-123 Doe, Jane	Bryan
	Click Add New Vehicle	R None NC-122 Doe, John	R Gold NC-123 Doe, Jane
	Do not check Hybrid Box		R None NC-122 Doe, John
	Customer: Doe, Jane	Service Bays:	
	License: NC-123	108: EMPTY	Service Bays:
	Service Tier: Gold	106: EMPTY	108: EMPTY
	Click Submit	105: EMPTY	106: EMPTY
		103: EMPTY	105: EMPTY
		102: EMPTY	103: EMPTY
		E01: EMPTY	102: EMPTY
		E04: EMPTY	E01: EMPTY
		E07: EMPTY	E04: EMPTY
			E07: EMPTY

Test Add New Vehicle with no license	Preconditions: Completed previous test Description: Click Add New Vehicle Check Hybrid Box Customer: Picker, Don License: Service Tier: Gold Click Submit	Warning Message Appears "License cannot be blank."	Warning Message Appears "License cannot be blank."
Test Add New Vehicle with no customer name	Preconditions: Completed previous test Description: Click Add New Vehicle Check Hybrid Box Customer: License: NC-455 Service Tier: Gold Click Submit	Warning Message Appears "Owner name cannot be blank."	Warning Message Appears "Owner name cannot be blank."
Test Add New Vehicle with license longer than 8 characters	Preconditions: Completed previous test Description: Click Add New Vehicle Check Hybrid Box Customer: Picker, Don License: NC-4556789 Service Tier: Gold Click Submit	Warning Message Appears "License cannot be more than 8 characters."	Warning Message Appears "License cannot be more than 8 characters."
Test Remove Vehicle from Waiting List	Preconditions: Completed previous test Description: Select LeBlanc, Doe, John Click Remove Selected Vehicle	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E01: EMPTY E07: EMPTY	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY
Test Filter Waiting List	Preconditions: Completed previous test Description: Enter "L" in the display filter Hit the enter/ return key	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan Service Bays: 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 103: EMPTY	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan Service Bays: 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY

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		E01: EMPTY	102: EMPTY
		E04: EMPTY	E01: EMPTY
		E07: EMPTY	E04: EMPTY
			E07: EMPTY
Test Add	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
Service		E Gold NC-5678 LeBlanc, Bryan	E Gold NC-5678 LeBlanc,
Bay	Description:	R Gold NC-123 Doe, Jane	Bryan
	Remove "L" from display filter		R Gold NC-123 Doe, Jane
	Hit the enter/ return key	Service Bays:	
	Click the Add Service Bay Button	109: EMPTY	Service Bays:
		108: EMPTY	109: EMPTY
		106: EMPTY	108: EMPTY
		105: EMPTY	106: EMPTY
		103: EMPTY	105: EMPTY
		102: EMPTY	103: EMPTY
		E01: EMPTY	102: EMPTY
		E04: EMPTY	E01: EMPTY
		E07: EMPTY	E04: EMPTY
			E07: EMPTY
Test Add	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
Service		E Gold NC-5678 LeBlanc, Bryan	E Gold NC-5678 LeBlanc,
Bay	Description:	R Gold NC-123 Doe, Jane	Bryan
	Click the Add Service Bay Button	·	R Gold NC-123 Doe, Jane
		Service Bays:	
		109: EMPTY	Service Bays:
		108: EMPTY	109: EMPTY
		106: EMPTY	108: EMPTY
		105: EMPTY	106: EMPTY
		103: EMPTY	105: EMPTY
		102: EMPTY	103: EMPTY
		E01: EMPTY	102: EMPTY
		E04: EMPTY	E01: EMPTY
		E07: EMPTY	E04: EMPTY
		E10: EMPTY	E07: EMPTY
			E10: EMPTY
Test Add	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
Service		E Gold NC-5678 LeBlanc, Bryan	E Gold NC-5678 LeBlanc,
Bay	Description:	R Gold NC-123 Doe, Jane	Bryan
	Click the Add Service Bay Button		R Gold NC-123 Doe, Jane
		Service Bays:	Service Bays:
		111: EMPTY	111: EMPTY
		109: EMPTY	109: EMPTY
		108: EMPTY	108: EMPTY
		106: EMPTY	106: EMPTY
		105: EMPTY	105: EMPTY
		103: EMPTY	103: EMPTY
		102: EMPTY	102: EMPTY
		E01: EMPTY	E01: EMPTY
		E04: EMPTY	E04: EMPTY
		E07: EMPTY	E07: EMPTY
		E10: EMPTY	E10: EMPTY
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Test Fill	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
Service			
Bay	Description:	Service Bays:	Service Bays:
•	Click the Fill Service Bays	111: NC-123 Doe, Jane	111: NC-123 Doe, Jane
	·	109: EMPTY	109: EMPTY
		108: EMPTY	108: EMPTY
		106: EMPTY	106: EMPTY
		105: EMPTY	105: EMPTY
		103: EMPTY	103: EMPTY
		102: EMPTY	102: EMPTY
		E01: EMPTY	E01: EMPTY
		E04: EMPTY	E04: EMPTY
		E07: EMPTY	E07: EMPTY
		E10: NC-5678 LeBlanc, Bryan	E10: NC-5678 LeBlanc,
			Bryan
Test Finish Repair of	Preconditions: Completed previous test	Vehicles Awaiting Service:	Vehicles Awaiting Service:
Selected	Description:	Service Bays:	Service Bays:
Vehicle	Select LeBlanc, Bryan from the Service	, 111: NC-123 Doe, Jane	, 111: NC-123 Doe, Jane
	Bays	109: EMPTY	109: EMPTY
	Click Finish Repair of Selected Vehicle	108: EMPTY	108: EMPTY
	button	106: EMPTY	106: EMPTY
		105: EMPTY	105: EMPTY
		103: EMPTY	103: EMPTY
		102: EMPTY	102: EMPTY
		E01: EMPTY	E01: EMPTY
		E04: EMPTY	E04: EMPTY
		E07: EMPTY	E07: EMPTY
		E10: EMPTY	E10: EMPTY
Test Quit	Preconditions: Completed previous test	Program closes.	Program closes.
	Description:		
	Click Quit Button		

Document Revision History

Date	Author	Change Description
4.18.2016	Bryan	Change Service Bay Expected. 110 should be E10.