## < Wally's Service Garage > Black Box Test Plan

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## Introduction

This document outlines the Black Box tests to be conducted on the project for Wally's Service Garage, as outlined in the client requirements.

## To run the tests:

- 1. Right click on the GarageGUI class in the Package Explorer in Eclipse.
- 2. Select Run As -> Java Application

Test ID	Description	Expected Results	Actual Results
Test 1:	Preconditions: None	GarageGUI loads	GarageGUI loads
Load		_	
Vehicle File	Run GarageGUI	Vehicles Awaiting Service	Vehicles Awaiting Service shows the following 27 entries:
(Nick		shows the following 27	R Platinum HI-01345 Rhyne, Lauren
Garner)	Navigate to test-files/cars.txt	entries:	R Platinum NC-DUR1 Nicholson, Henry
		R Platinum HI-	R Platinum SC-RT098 Richards, Fiona
	Click <b>Ok</b>	01345 Rhyne,	E Gold NC-5678 Emerson, Jane
		Lauren	R Gold VIRG0122 Jones, Francis
	Check results	R Platinum NC-DUR1	E Gold 0987-NC Nelson, Richard
		Nicholson, Henry	R Gold IL20987 Masters, Burt
	Close GUI	R Platinum SC-	2 0010 12 110 100 11011001, 1101110011
		RT098 Richards,	E Gold ND-12345 Young, Blake
		Fiona	R Gold AL-03456 Barber, David
		E Gold NC-5678	R Gold IO-WA987 Ledbetter, Jeanne
		Emerson, Jane	E Gold MA-0987 Wilson, Richard
		R Gold VIRG0122	R Silver VA-121A Henderson, William
		Jones, Francis	R Silver MN-20134 McKeel, Robyn
		E Gold 0987-NC	K Silver Sc 01033 Smith, Amos
		Nelson, Richard R Gold IL20987	R Silver 678431 Bell, Frank
		Masters, Burt	E SIIVEI WA-01292 Wall, Susaii
		E Gold FL-M3456	R Silver NC-RALO Lamb, Bill
		McKeel, Kenneth	E Silver ND-34511 Young, Charlotte
		E Gold ND-12345	R Silver 98234-RI Bell, Richard
		Young, Blake	R None NC-122 Doe, John
		R Gold AL-03456	E None FL-09876 Peterson, Keith
		Barber, David	R None SD-0 Young, Charles
		R Gold IO-WA987	R None TN-3245 Lyons, Linda
		Ledbetter, Jeanne	E None ME-78653 Smith, Sandra
		E Gold MA-0987	E None CN09822 Hughes, Jack
		Wilson, Richard	E None NC-1233 Doe, Baby John
		R Silver VA-121A	Service Bays shows the following 8 entries:
		Henderson, William	108: EMPTY
		R Silver MN-20134	• 106: EMPTY
		McKeel, Robyn	• 105: EMPTY
		R Silver SC-0I033	• 103: EMPTY
		Smith, Amos	• 103: EMPTY
		R Silver 678431	• E01: EMPTY
		Bell, Frank	- LOI. LIVII II

		E Cilvon My 01000	- FOA. FMDTV
		E Silver WX-01292 Wall, Susan	
			E07: EMPTY
		R Silver NC-RALO	
		Lamb, Bill	
		E Silver ND-34511	
		Young, Charlotte	
		R Silver 98234-RI	
		Bell, Richard	
		R None NC-122 Doe,	
		John	
		E None FL-09876	
		Peterson, Keith	
		R None SD-0 Young,	
		Charles	
		R None TN-3245	
		Lyons, Linda	
		E None ME-78653	
		Smith, Sandra	
		E None CN09822	
		Hughes, Jack	
		E None NC-1233 Doe,	
		Baby John	
		_	
		Service Bays shows the	
		following 8 entries:	
		• 108: EMPTY	
		• 106: EMPTY	
		• 105: EMPTY	
		• 102: EMPTY	
		• E01: EMPTY	
		• E04: EMPTY	
		• E07: EMPTY	
Test 2:	Preconditions: Test 1 has run	Service Bay 109 is added to	Service Bay 109 is added to the top of the Service Bays pane
Add		the top of the Service Bays	and reads:
Service Bay	Run GarageGUI	pane and reads:	
(Nick			109: EMPTY
Garner)	Click Add Service Bay	109: EMPTY	
	Check results		
	Close GUI		
Test 3:	Preconditions: Test 1 has passed	The new vehicle is added	The new vehicle is added between 98234-RI Bell, Richard
Add New		between 98234-RI Bell,	and NC-122 Doe, John and reads:
Vehicle	Run GarageGUI	Richard and NC-122 Doe,	
(Nick		John and reads:	R Silver CN09822 Hughes, Jack
Garner)	Click Add New Vehicle		
		R Silver NC2376 Smith, John	
	Enter the following:		
	Customer: Smith, John		
	License: NC2376		
	ServiceTier: Silver		
	Hybrid/Electric: Unchecked		
	Click <b>Submit</b>		

	Check results		
	eneek resures		
	Close GUI		
Test 4: Edit Vehicle (Nick Garner) Modified	Preconditions: Test 3 has passed Run GarageGUI	R Silver NC2376 Smith, John is changed to R None NC2376 Smith, John and placed at the end of the Waiting List	R Silver NC2376 Smith, John is changed to R None NC2376 Smith, John and placed at the end of the Waiting List after R None NC-1233 Doe, Baby John
	Select row R Silver NC2376 Smith, John		
	Click Edit Selected Vehicle		
	Select <b>None</b>		
	Click <b>OK</b>		
	Check results		
	Close GUI		
Test 5: Remove	Preconditions: Test 3 has passed	R None NC2376 Smith, John has been removed.	R None NC2376 Smith, John has been removed.
Vehicle	Run GarageGUI		R None NC-1233 Doe, Baby John is now the last Vehicle in the
(Nick Garner) <b>Modified</b>	Select row R None NC2376 Smith, John	R None NC-1233 Doe, Baby John is now the last Vehicle in the list.	list.
	Click Remove Selected Vehicle		
	Check results		
	Close GUI		
Test 6:	Preconditions: Tests 1 and 2 have	The Service Bays list now	The Service Bays list now shows the following:
Fill Service	passed	shows the following:	109: HI-01345 Rhyne, Lauren
Bays (Nick	Run GarageGUI	• 109: R Platinum HI- 01345 Rhyne,	108: NC-DUR1 Nicholson, Henry 106: SC-RT098 Richards, Fiona
Garner)	Click Fill Service Bays	Lauren • 108:	105: VIRG0122 Jones, Francis 103: IL20987 Masters, Burt 102: ND-12345 Young, Blake
	Check results	R Platinum NC-DUR1 Nicholson, Henry	E01: FL-M3456 McKeel, Kenneth E04: 0987-NC Nelson, Richard
	Close GUI	• 106: R Platinum SC- RT098 Richards, Fiona • 105: R Gold VIRG0122 Jones, Francis • 103: R Gold IL20987 Masters, Burt	E07: NC-5678 Emerson, Jane
		• 102: E Gold ND-12345 Young, Blake • E01:	

E Gold FL-M3456
McKeel, Kenneth
• E04:
E Gold 0987-NC
Nelson, Richard
• E07:
E Gold NC-5678
Emerson, Jane

## **Document Revision History**

Date	Author	Change Description
5-Jul-2019	Nicholas Garner	Original Version; Added Black Box tests for basic load/add/remove/fill
		functionality of WaitingList and ServiceBayList.
19-Jul-2019	Nicholas Garner	Updated Tests 3 and 4 to reflect actual Edit functionality (i.e. Tier only)
		Completed Black Box tests, added Actual Results