

<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: Load Vehicle File (Nick Garner)	Preconditions: None Run GarageGUI Navigate to <code>test-files/cars.txt</code> Click Ok <i>Check results</i> Close GUI	GarageGUI loads Vehicles Awaiting Service shows the following 27 entries: R Platinum HI-01345 Rhyne, Lauren R Platinum NC-DUR1 Nicholson, Henry R Platinum SC-RT098 Richards, Fiona E Gold NC-5678 Emerson, Jane R Gold VIRG0122 Jones, Francis E Gold 0987-NC Nelson, Richard R Gold IL20987 Masters, Burt E Gold FL-M3456 McKeel, Kenneth E Gold ND-12345 Young, Blake R Gold AL-03456 Barber, David R Gold IO-WA987 Ledbetter, Jeanne E Gold MA-0987 Wilson, Richard R Silver VA-121A Henderson, William R Silver MN-20134 McKeel, Robyn R Silver SC-0I033 Smith, Amos R Silver 678431 Bell, Frank	GarageGUI loads Vehicles Awaiting Service shows the following 27 entries: R Platinum HI-01345 Rhyne, Lauren R Platinum NC-DUR1 Nicholson, Henry R Platinum SC-RT098 Richards, Fiona E Gold NC-5678 Emerson, Jane R Gold VIRG0122 Jones, Francis E Gold 0987-NC Nelson, Richard R Gold IL20987 Masters, Burt E Gold FL-M3456 McKeel, Kenneth E Gold ND-12345 Young, Blake R Gold AL-03456 Barber, David R Gold IO-WA987 Ledbetter, Jeanne E Gold MA-0987 Wilson, Richard R Silver VA-121A Henderson, William R Silver MN-20134 McKeel, Robyn R Silver SC-0I033 Smith, Amos R Silver 678431 Bell, Frank E Silver WX-01292 Wall, Susan R Silver NC-RAL0 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: <ul style="list-style-type: none">• 108: EMPTY• 106: EMPTY• 105: EMPTY• 103: EMPTY• 102: EMPTY• E01: EMPTY

		E Silver WX-01292 Wall, Susan R Silver NC-RAL0 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: <ul style="list-style-type: none"> • 108: EMPTY • 106: EMPTY • 105: EMPTY • 103: EMPTY • 102: EMPTY • E01: EMPTY • E04: EMPTY • E07: EMPTY 	<ul style="list-style-type: none"> • E04: EMPTY • E07: EMPTY
Test 2: Add Service Bay (Nick Garner)	Preconditions: Test 1 has run Run GarageGUI Click Add Service Bay <i>Check results</i> Close GUI	Service Bay 109 is added to the top of the Service Bays pane and reads: 109: EMPTY	Service Bay 109 is added to the top of the Service Bays pane and reads: 109: EMPTY
Test 3: Add New Vehicle (Nick Garner)	Preconditions: Test 1 has passed Run GarageGUI Click Add New Vehicle Enter the following: Customer: Smith, John License: NC2376 ServiceTier: Silver Hybrid/Electric: Unchecked Click Submit	The new vehicle is added between 98234-RI Bell, Richard and NC-122 Doe, John and reads: R Silver NC2376 Smith, John	The new vehicle is added between 98234-RI Bell, Richard and NC-122 Doe, John and reads: R Silver CN09822 Hughes, Jack

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

		E Gold FL-M3456 McKeel, Kenneth <ul style="list-style-type: none">E04: E Gold 0987-NC Nelson, Richard <ul style="list-style-type: none">E07: E Gold NC-5678 Emerson, Jane	
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Document Revision History

Date	Author	Change Description
5-Jul-2019	Nicholas Garner	<ul style="list-style-type: none">Original Version; Added Black Box tests for basic load/add/remove/fill functionality of WaitingList and ServiceBayList.
19-Jul-2019	Nicholas Garner	<ul style="list-style-type: none">Updated Tests 3 and 4 to reflect actual Edit functionality (i.e. Tier only)Completed Black Box tests, added Actual Results