

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

		E01: EMPTY E04: EMPTY E07: EMPTY	102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY
Test Add Service Bay	Preconditions: Completed previous test Description: Remove "L" from display filter Hit the enter/ return key Click the Add Service Bay Button	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY
Test Add Service Bay	Preconditions: Completed previous test Description: Click the Add Service Bay Button	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY
Test Add Service Bay	Preconditions: Completed previous test Description: Click the Add Service Bay Button	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 111: EMPTY 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY	Vehicles Awaiting Service: E Gold NC-5678 LeBlanc, Bryan R Gold NC-123 Doe, Jane Service Bays: 111: EMPTY 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY

Test Fill Service Bay	Preconditions: Completed previous test Description: Click the Fill Service Bays	Vehicles Awaiting Service: Service Bays: 111: NC-123 Doe, Jane 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: NC-5678 LeBlanc, Bryan	Vehicles Awaiting Service: Service Bays: 111: NC-123 Doe, Jane 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: NC-5678 LeBlanc, Bryan
Test Finish Repair of Selected Vehicle	Preconditions: Completed previous test Description: Select LeBlanc, Bryan from the Service Bays Click Finish Repair of Selected Vehicle button	Vehicles Awaiting Service: Service Bays: 111: NC-123 Doe, Jane 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY	Vehicles Awaiting Service: Service Bays: 111: NC-123 Doe, Jane 109: EMPTY 108: EMPTY 106: EMPTY 105: EMPTY 103: EMPTY 102: EMPTY E01: EMPTY E04: EMPTY E07: EMPTY E10: EMPTY
Test Quit	Preconditions: Completed previous test Description: Click Quit Button	Program closes.	Program closes.

Document Revision History

Date	Author	Change Description
4.18.2016	Bryan	<ul style="list-style-type: none"> Change Service Bay Expected. 110 should be E10.