

# Wally's Service Garage Black Box Test Plan

Document Author(s): Andrew Northrup

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## Introduction

The black box test plan tests the main functionality of loading a new file into the service garage and filling service bays. The application will use the cars.txt file as the main data for the testing of the service garage manager functionality.

Test ID	Description	Expected Results	Actual Results
BBTP – 1 Loading a file with a vehicle with an invalid tier.	<p><b>Preconditions:</b> <b>User has created a CarsInvalid.txt file that has a subset of the cars.txt file and changed the tier in the first entry for John to -1.</b></p> <p>Initially user is prompted by the console to provide a file name, but the user doesn't know the file name. Type " " into the console. Then prompted by the system the user navigates to the cars.txt file through the file manager.</p> <p>Navigate to the CarsInvalid.txt file through the GUI and select load.</p>	<p>A popup should appear that says user entered blank select from file manager because the user put a blank file name into the console.</p> <p>After navigating to carsinvalid.txt file through the file navigator, user clicks load file.</p> <p>The first entry, for John Doe's car should not appear. The tier is not valid so it will not load into the waitlist.</p>	<p>Navigated in file system to car.txt. Copied file and named it carsInvalid.txt. Opened carsInvalid.txt and changed the tier of John Doe to -1.</p> <p>Ran GUI through eclipse. Typed " " into the console when prompted and pressed enter. Popup appear saying that file navigator will be opened because blank was input into console. Click okay.</p> <p>File manager appears.</p> <p>Navigated to CarsInvalid.txt. Clicked open. Cars load into the Vehicles Awaiting Service text area. John Doe does not exist in the waiting list text area.</p>
BBTP – 2 Add a new vehicle to a preloaded list of vehicles.	<p><b>Preconditions:</b> <b>User has downloaded file Cars.txt loaded on computer. Bring up the file navigator using the same start procedure as BBTP -1 by entering blank into console.</b></p> <p>Navigate to the Cars.txt file through the GUI and select open. After the load has occurred, the user should select "Add New Vehicle" from Vehicles Awaiting Service area of GUI. Create a new vehicle with name Andrew Northrup, License Plate DC-1234, Select checkbox Type: hybrid/electric and Type Package: Silver from dropdown.</p>	<p>The file cars.txt should load a list of vehicles waiting for service. The bays area should initially have 8 bays loaded marked "EMPTY".</p> <p>The new vehicle that was created should show up in the vehicle waiting list as the last silver package vehicle with a type of 'E' with name, and license plate as well. In this case, this would be Andrew Northrup with license: DC-1234 and has an 'E' as the</p>	<p>Ran GUI through eclipse. Typed " " pressed enter. Popup appear saying that file navigator will be opened because blank was input into console. Click ok.</p> <p>File manager appears.</p> <p>Navigate to Cars.txt. Clicked okay. Cars load into the Vehicles Awaiting Service.</p> <p>8 bays show up on right side under "Service Bays" labeled as EMPTY.</p>

		type with tier listed as silver.	<p>Clicked Add New Vehicle button. Popup appears with information to add a new vehicle. Filled out Customer: Andrew Northrup, License: DC-1234, Service Tier: Silver and clicked hybrid electric checkbox. Clicked Submit. Popup disappears.</p> <p>Andrew Northrup is added as the last silver tier car with "E" as the type and license followed by name.</p>
<p>BBTP – 3 – Test modifying a vehicle's priority by changing its package.</p>	<p><b>Preconditions:</b> <b>User has completed the steps for BBTP-3. User has downloaded file Cars.txt loaded on computer. Navigate to the Cars.txt file through the GUI and select load. After the load has occurred, the user should select "Add New Vehicle" from Vehicles Awaiting Service area of GUI. Create a new vehicle with name Andrew Northrup, License Plate DC-1234, Type: electric and Type Package: Silver.</b></p> <p>Find the created vehicle for Andrew Northrup's vehicle. Select that waiting vehicle. Click button edit selected vehicle. Modify the vehicle's package to "Gold".</p>	<p>Continuing from BBTP 3, the vehicle Andrew Northrup should still appear in the vehicles awaiting service area. In this case, the vehicle that was created should initially be in the vehicle waiting list as the last silver package vehicle with a type of 'E' with name, and license plate as well.</p> <p>After modifying the vehicle to gold, the vehicle, with the same license plate number and name should now be the last vehicle under the list of Gold package vehicles. The bays area should initially have 8 bays loaded as empty.</p>	<p>Ran GUI through eclipse. Typed " " pressed enter. Popup appear saying that file navigator will be opened because blank was input into console. Click ok.</p> <p>File manager appears.</p> <p>Navigate to Cars.txt. Clicked okay. Cars load into the Vehicles Awaiting Service.</p> <p>8 bays show up on right side under "Service Bays" labeled as EMPTY.</p> <p>Clicked Add New Vehicle button. Popup appears with information to add a new vehicle. Filled out Customer: Andrew Northrup, License: DC-1234, Service Tier: Silver and clicked hybrid electric checkbox. Clicked Submit.</p> <p>Andrew Northrup is added as the last silver tier car with "E" as the type and license followed by name. Popup disappears</p> <p>Selected Andrew Northrup car from waiting list. Clicked edit vehicle button. New popup comes up with information filled out and the only thing selectable is Service Tier. Clicked service</p>

			<p>tier drop down and selected gold and then clicked submit. Pop up disappears.</p> <p>Andrew Northrup now shows up as the last vehicle under the gold tier of vehicles with the same information originally held.</p>
<p>BBTP – 4 – Test filtering for last names</p>	<p><b>Preconditions:</b> <b>User has downloaded file Cars.txt loaded on computer. Type blank into the console. Navigate to the Cars.txt file through the GUI and select load.</b></p> <p>After the vehicles have been loaded, type “ly” into the text box and hit the enter button.</p>	<p>After entering blank into console, popup then navigation window should appear. Navigate to cars.txt and select open.</p> <p>8 Bays show up all listed as EMPTY.</p> <p>The vehicles awaiting service should initially be populated with the full list of vehicles awaiting service. After the user types “ly” into the Display Filter text field, only one vehicle should show up. That vehicle belongs to Linda Lyons.</p>	<p>Ran GUI through eclipse. Typed “ ” pressed enter. Popup appear saying that file navigator will be opened because blank was input into console. Click ok.</p> <p>File manager appears.</p> <p>Navigate to Cars.txt. Clicked okay. Cars load into the Vehicles Awaiting Service.</p> <p>8 bays show up on right side under “Service Bays” labeled as EMPTY bays.</p> <p>Full vehicle list is populated. Type ‘ly’ into the text box area and pressed enter.</p> <p>After pressing enter with ‘ly’ in the filter criteria text area all of the other vehicles except Linda Lyons disappear from the vehicles waiting service. The service bay area remains unchanged..</p>
<p>BBTP – 5 Test for whether HEV will skip R vehicle on waitlist to occupy a HEV bay</p>	<p><b>Preconditions:</b> <b>User has downloaded file Cars.txt loaded on computer. Navigate to the Cars.txt file through the GUI and select load.</b></p> <p><b>To continue from BBTP -4, remove ‘ly’ in the filter criteria and press enter.</b></p> <p>The user should click the fill service bays button. After service bays button has been filled. Select one HEV bay and click finish repair of selected vehicle. Select another HEV and click finish repair of selected vehicle. Click fill service bays.</p>	<p>The file that was loaded for BBTP-4 can continue to be used for this test. If so, after deleting ‘ly’ and pushing enter, all vehicles should reappear.. The vehicles awaiting service should initially be populated with the full list of vehicles awaiting service. The bays should be listed as “EMPTY”</p> <p>After clicking fill service bays, the vehicles awaiting service list should now have Blake Young at the top.</p> <p>After clicking finish repair of</p>	<p>Ran GUI through eclipse. Typed “ ” pressed enter. Popup appear saying that file navigator will be opened because blank was input into console. Click ok.</p> <p>File manager appears.</p> <p>Navigate to Cars.txt. Clicked okay. Cars load into the Vehicles Awaiting Service.</p> <p>8 bays show up on right side under “Service Bays” labeled as EMPTY.</p> <p>Full vehicle list is populated.</p>

		<p>the different HEV bays. Blake Young should fill one of the HEV bay spots, but the next regular vehicles in line, David Barber and Jeanne Ledbetter should be skipped and Richard Wilson should be added to the last open HEV bay.</p>	<p>Clicked button fill service bays. Service bays are filled with eight vehicles. Blake Young is at the top of the waiting service list, now that the 8 vehicles waiting service are no longer on the waiting list. David barber, with a regular vehicle is second.</p> <p>Selected Jane Emerson vehicle in the service bays area, clicked finish repair of selected service. E07 service bay now shows as empty. Selected richard nelson in service bays area. Clicked Finish repair, E04 now shows as empty.</p> <p>Clicked fill service bays button. Blake young and richard Wilson are now placed in the HEV bays. David barber is at the top of the vehicles, still awaiting service.</p>
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#### Document Revision History

Date	Author	Change Description
<b>3/29/16</b>	Andrew Northrup	• Original black box test plan
<b>4/19/16</b>	Andrew Northrup	• Completed black box test plan