

## <WALLY'S SERVICE GARAGE> BLACK BOX TEST PLAN

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### Introduction

This is a set of test for the Wally's Service Garage garage manager program. The program requires a system that allowed the service manager to manage vehicles waiting for services and to assign service bays to repair them.

The program is started by running the class labeled GUI in the project folders, or can be run by right clicking on the project and selecting, run as java application.

Under the Arguments tab in the Run Configuration window, add the file name for the command line argument. Any time you need to change the command line argument, you must modify the filename in the Arguments tab. The assumption is that all files will be stored under the top level of the Eclipse project. If so, you only need to enter the file name into the Program arguments text field.

These test can be run on the same instance of the application, excluding test 1-3, which do require resets between instances.

Test ID	Description	Expected Results	Actual Results
1 – Invalid File	<b>Preconditions: None</b>  1. Run the program. 2. Type “carssss.txt” into the file selector. 3. Click open.	<ul style="list-style-type: none"><li>A pop up says “Vehicle file not found.”</li></ul>	A pop up says “Vehicle file not found.”
2 – Valid file	<b>Preconditions: None</b>  1. Run the program. 2. Type “car1.txt” into the file selector. 3. Click open.	<ul style="list-style-type: none"><li>The text box for Vehicles Awaiting Service is empty.</li><li>The text box for Service Bays says:<ul style="list-style-type: none"><li>108: EMPTY</li><li>106: EMPTY</li><li>105: EMPTY</li><li>103: EMPTY</li><li>102: EMPTY</li><li>E01:EMPTY</li><li>E04: EMPTY</li><li>E07: EMPTY</li></ul></li></ul>	<ul style="list-style-type: none"><li><b>My directory does not go to the project folder by default</b></li><li>The text box for Vehicles Awaiting Service is empty.</li><li>The text box for Service Bays says:<ul style="list-style-type: none"><li>108: EMPTY</li><li>106: EMPTY</li><li>105: EMPTY</li><li>103: EMPTY</li><li>102: EMPTY</li><li>E01:EMPTY</li><li>E04: EMPTY</li><li>E07: EMPTY</li></ul></li></ul>
3 – Valid file with content	<b>Preconditions: None</b>  1. Run the program. 2. Type “cars.txt” into the file selector. 3. Click open.	<ul style="list-style-type: none"><li>The text box for Vehicles Awaiting Service has multiple vehicles, starting with Doe, John’s and ending with Wilson, Richard</li><li>The text box for Service</li></ul>	<ul style="list-style-type: none"><li>The text box for Vehicles Awaiting Service has multiple vehicles, starting with Doe, John’s and ending with Wilson, Richard</li><li>The text box for Service</li></ul>

		Bays says: <ul style="list-style-type: none"> <li>○ 108: EMPTY</li> <li>○ 106: EMPTY</li> <li>○ 105: EMPTY</li> <li>○ 103: EMPTY</li> <li>○ 102: EMPTY</li> <li>○ E01:EMPTY</li> <li>○ E04: EMPTY</li> <li>○ E07: EMPTY</li> </ul>	Bays says: <ul style="list-style-type: none"> <li>○ 108: EMPTY</li> <li>○ 106: EMPTY</li> <li>○ 105: EMPTY</li> <li>○ 103: EMPTY</li> <li>○ 102: EMPTY</li> <li>○ E01:EMPTY</li> <li>○ E04: EMPTY</li> </ul> E07: EMPTY
4 – Remove no selection	<b>Preconditions: Test 2</b> <ol style="list-style-type: none"> <li>1. Click on “Remove Selected Vehicle.” While having nothing selected</li> </ol>	<ul style="list-style-type: none"> <li>• Nothing should happen(No error throw)</li> </ul>	Nothing should happen(No error throw)
5 - Add	<b>Preconditions: Test 2</b> <ol style="list-style-type: none"> <li>2. Click on “Add New Vehicle.”</li> <li>3. Enter the following information             <ol style="list-style-type: none"> <li>a. No change to Hybrid/Electric Toggle</li> <li>b. Customer name = Troy Feng</li> <li>c. License = NC9393</li> <li>d. Service tier = Gold</li> </ol> </li> <li>4. Click submit</li> </ol>	<ul style="list-style-type: none"> <li>• A new entry on “Vehicles awaiting service” contains the string “R Gold NC9393 Feng. Troy”</li> </ul>	A new entry on “Vehicles awaiting service” contains the string “R Gold NC9393 Feng. Troy”. <b>He is inserted between Wilson Richard and Henderson William</b>
6 – Add no name	<b>Preconditions: Test 2</b> <ol style="list-style-type: none"> <li>5. Click on “Add New Vehicle.”</li> <li>6. Enter the following information             <ol style="list-style-type: none"> <li>a. No change to Hybrid/Electric Toggle</li> <li>b. Customer name =</li> <li>c. License = NC9393</li> <li>d. Service tier = Gold</li> </ol> </li> </ol> Click submit	<ul style="list-style-type: none"> <li>• a warning opens with the message “Owner name cannot be blank.”</li> </ul>	a warning opens with the message “Owner name cannot be blank.”
7 – Add no license	<b>Preconditions: Test 2</b> <ol style="list-style-type: none"> <li>7. Click on “Add New Vehicle.”</li> <li>8. Enter the following</li> </ol>	<ul style="list-style-type: none"> <li>• a warning opens with the message “License cannot be blank.”</li> </ul>	a warning opens with the message “License cannot be blank.”

	<p>information</p> <ul style="list-style-type: none"> <li>a. No change to Hybrid/Electric Toggle</li> <li>b. Customer name = Troy Feng</li> <li>c. License =</li> <li>d. Service tier = Gold</li> </ul> <p>Click submit</p>		
8 – Add Long license	<p><b>Preconditions: Test 2</b></p> <ul style="list-style-type: none"> <li>9. Click on “Add New Vehicle.”</li> <li>10. Enter the following information <ul style="list-style-type: none"> <li>a. No change to Hybrid/Electric Toggle</li> <li>b. Customer name = Troy Feng</li> <li>c. License = NC93939393</li> <li>d. Service tier = Gold</li> </ul> </li> </ul> <p>Click submit</p>	<ul style="list-style-type: none"> <li>• a warning opens with the message “License cannot be more than 8 characters.”</li> </ul>	a warning opens with the message “License cannot be more than 8 characters.”

#### Required Files

“cars.txt” - This is a file containing the list of examples vehicles in the waiting list  
“car1.txt” – This is an empty text file that has been created

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#### Document Revision History

Date	Author	Change Description
7/2/2020	Troy Boone	• Initial document made. Initial 8 test completed
7/22/20	Troy Boone	• Completed lab and added actual results to document