Wally's Service Garage Black Box Test Plan

Document Author(s): Marshall Skelton

Date: 3/29/2016

Introduction:
A service garage manager is created to filter through different vehicles in an order for the to get serviced in a timely manner. The service garage manager can add, edit and remove vehicles from the awaiting service list as well as open, fill and finish the service bays.

Test 1 tests the function of the GUI loading correctly with a file that meets the correct format. After Test 1 assume the GUI has been loaded correctly with a correct vehicle information file.

Test ID	Description	Expected Results	Actual Results
Test 1 (load GUI)	**Preconditions:** Correct information is present The file chooser is opened **Test description:** Pick a correct vehicle information file and load it in the GUI.	The GUI is loaded and anything that doesn't meet the specific format is ignored.	GUI is loaded correctly with all the buttons and list loaded correctly
Test 2 (Add Vehicle)	**Preconditions:** GUI is loaded correctly **Test description:** Click "add new vehicle" Make sure Hybrid/Electric is unchecked Choose "none" for tier Enter license number that fits guidelines (1111111) Enter owner name (Marshall) Click Submit	The vehicle should be added to the list in the correct order with all the provided information R None 1111111 Marshall	The vehicle is added to the list in the correct order with the provided information R None 1111111 Marshall
Test 3 (Remove Vehicle)	**Preconditions:** There is at least one vehicle in the 'vehicles awaiting service' list. R None 1111111 Marshall **Test description:** Select a vehicle from the list of 'vehicles awaiting service' and click "Remove Selected Vehicle" (R None 1111111 Marshall)	The vehicle is removed from the list and the GUI refreshes with the updated list without R None 1111111 Marshall	The list is updated after removing R None 1111111 Marshall and shows the other contents of the list
Test 4 (Re-assign Tier for Vehicle)	**Preconditions:** At least one vehicle in the vehicles list with a Tier other than Silver. **Test description:** Select: R None 1111111 Marshall Select Edit Selected Vehicle Change tier to Silver	The vehicle Tier is updated to "Silver" and the GUI is refreshed and load the correct information about the vehicle R Silver 1111111 Marshall	The vehicle Tier is updated to "Silver" and the GUI is refreshed and load the correct information about the vehicle
Test 5 (Add	**Preconditions:** The GUI is loaded correctly	A new Service Bay is added to list and the GUI is	New Service Bay added 109: EMPTY

Service Bay)	**Test description:** Click "Add Service Bay"	refreshed and loads the Service Bay as "Empty" Initially had 8, next one added is titled 109: EMPTY	
Test 6: Add new vehicle	Preconditions: • The GarageManager program has launched • Select test-files/cars.txt and click open Description: • Select Add New Vehicle • Name: Jones, Francis • License: VIRG0122 • Service Tier: Gold • Click Submit • Click Quit	New vehicle at the end of the Gold tier waitlist "R Gold VIRG0122 Jones, Francis" No errors Reported	New vehicle at the end of the Gold tier waitlist "R Gold VIRG0122 Jones, Francis" No errors Reported
Test 7: Missing Owner Name	Preconditions: • The GarageManager program has launched • Select test-files/cars.txt and click open Description: • Select Add New Vehicle • Name: • License: VIRG0122 • Tier: Gold • Click Submit	Error Message: "Owner name cannot be blank."	Error Message: "Owner name cannot be blank."
Test 8: Edit Vehicle Tier	Preconditions: • • The GarageManager program has launched Description: • Select Vehicle in waitlist "R Platinum • HI-01345 Rhyne, Lauren" • Click Edit Selected Vehicle • Select Gold Tier • Click Submit • Click Quit	Wait list refreshes to display "R Gold HI-01345 Rhyne, Lauren" behind the last Gold vehicle and in front of the first Silver Vehicle No reported Errors	Wait list refreshes to display "R Gold HI-01345 Rhyne, Lauren" behind the last Gold vehicle and in front of the first Silver Vehicle No reported Errors
Test 9: Missing file	Preconditions: • The GarageManager program has launched Description: • Select test-files/missing-cars.txt • Click Open	Error message: "Vehicle file not found."	Error message: "Vehicle file not found."
Test 10: Valid test file	Preconditions: • The GarageManager program has launched Description: • Select test-files/cars.txt • Click Open • Click Quit	Loads test file, no errors reported	Loads test file, no errors reported

Document Revision History

Date	Author	Change Description
4/20/16	Marshall Skelton	• Implemented black box test plans and added Cameron Hetzler bbtp