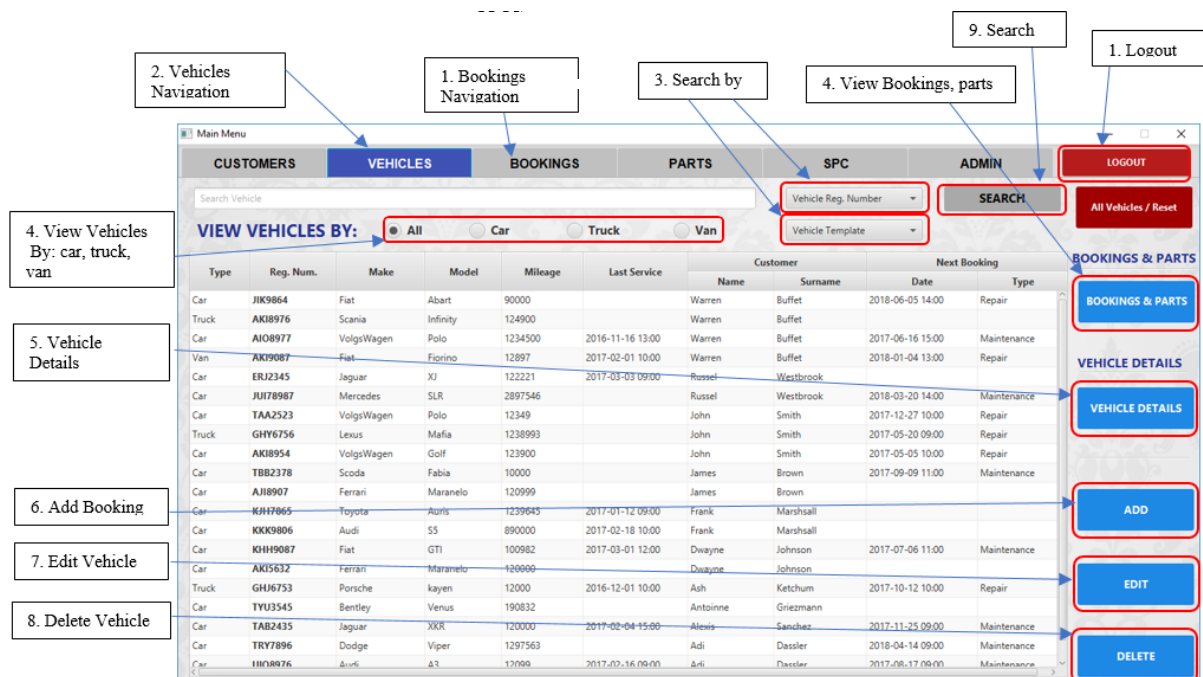


## Vehicle Records GUI



## Test Cases - Vehicle record (A)

Test Case	Steps & Expected Result	PASS/FAIL
1. Search for vehicles by type (car, truck, van).	<p>A. Navigate to Vehicles Tab</p> <p>B. Above table select radio:</p> <ul style="list-style-type: none"> <li>i) Car</li> <li>ii) Truck</li> <li>iii) Van</li> </ul> <p><b>Expected Result:</b> Only Vehicles of the selected type will be displayed dynamically.</p>	PASS
2. Select vehicle and show past and future, parts used, booking dates, and the total cost per booking (warranty and non-warranty).	<p>A. Select from the table a vehicle e.g. "UIO8976 Audi a3" of customer "Adi Dassler"</p> <p>B. Click the Booking &amp; Parts button</p> <p><b>Expected Result:</b> A GUI pop-up will display table of Past &amp; Future Bookings with total cost, date and type if any.</p> <p>C. On the right side in the View Bookings section select:</p> <ul style="list-style-type: none"> <li>i) Past Bookings.</li> <li>ii) Future Bookings</li> <li>iii) Past &amp; Future</li> </ul> <p><b>Expected Result:</b> In the table only selected type of bookings will be displayed dynamically if any.</p> <p>D. Select a booking from the table. Hence on the right side in the Parts section click parts Installed button to view parts installed of the selected booking.</p>	PASS

	<b>Expected Result:</b> A GUI popup will display parts installed for the booking selected if any.	
3. Search for vehicles by manufacturer.	<p>A. Navigate to the Vehicles Tab</p> <p>B. Right to the search field select from the dropdown menu the “Vehicle Manufacturer” option</p> <p>C. Fill in the search field with a vehicle manufacturer e.g. “Fiat” and click the search button</p> <p><b>Expected Result:</b> If the manufacturer exists the table below will display the “Fiat” Vehicles. Otherwise an error message will popup.</p>	PASS
4. Select vehicle and show details.	<p>A. Navigate to Vehicles tab.</p> <p>B. Select a vehicle from the table e.g. “AKI9087 Fiat Fiorino” of customer Warren Buffet which has no warranty.</p> <p>C. OR select a vehicle with warranty e.g. “AKI8976 Scania Infinity” of customer Warren Buffet.</p> <p>D. Click Vehicle Details button.</p> <p><b>Expected Result:</b> A popup GUI will display Full vehicle details along with customer and warranty details. If the vehicle has no warranty the warranty fields will display “Not Applicable”. Otherwise will show warranty details.</p>	PASS
5. Edit an existing vehicle record.	<p>A. Navigate to Vehicles Tab</p> <p>B. Select a vehicle from the table e.g. “JIK9864 Fiat Abart” of customer Warren Buffet.</p> <p>C. Click Edit button</p> <p>D. A GUI will popup displaying all of the selected vehicle’s details in an editable status. If the vehicle has no warranty the warranty text fields will be disabled by default. Otherwise it will display the warranty details.</p> <p>E. Edit the mileage and select No warranty radio. Hence click update.</p> <p>F. Click exit and to validate that the changes have been made</p> <p>G. Select “JIK9864 Fiat Abart” from the table.</p> <p>H. Click Vehicle Details</p> <p><b>Expected Result:</b> Observe that in the warranty information appears “Not Applicable” and the mileage has changed.</p>	PASS
6. Edit the warranty details of a vehicle under warranty.	<p>A. Navigate to Vehicles Tab</p> <p>B. Select a vehicle under warranty e.g. “JUI78987 Mercedes SLR” of customer “Russel Westbrook” and click Edit button</p> <p>C. A GUI will popup displaying all of the selected vehicle’s details in an editable status.</p> <p>D. On the right side are the warranty details.</p> <p>E. Edit the company, address, expiry date and click update.</p>	PASS

	<p>F. Click exit and to validate that the changes have been made by selecting the “JUI78987 Mercedes SLR” from the table.</p> <p>G. Click Vehicle Details</p> <p><b>Expected Result:</b> Observe that in the warranty information the changes you made to the vehicle have been updated.</p>	
7. Delete a vehicle record.	<p>A. Navigate to the Vehicles Tab</p> <p>B. Select a vehicle from the table e.g. “AJI8907 Ferrari Maranelo” of customer James Brown and click the delete button</p> <p>C. A popup will ask for confirmation.</p> <p><b>Expected Result:</b> If “yes” is clicked the record will be deleted and hence removed from the table. Otherwise the vehicle will not be deleted.</p> <p><b>NOTE:</b> Data integrity testing see test case 10. The vehicle in this test case has no bookings hence this record does not affect diagrep, parts, spc module.</p>	PASS
8. Create a new vehicle record.	<p>A. Navigate to Vehicle tab</p> <p>B. Click the add button from the right side</p> <p>C. A popup will display the fields required to be filled in.</p> <p>D. Vehicles belong to customers. There is a dropdown containing all customers in the system.</p> <p>E. Select a customer, e.g. “Warren Buffet”</p> <p>F. For quick selection select from the vehicle template a vehicle e.g. “Ferrari Maranelo”</p> <p><b>Expected Result:</b> Dynamically the make, model, engine size and fuel type will be filled in.</p> <p>G. Fill in the remaining vehicle fields i.e. registration number (e.g. TAA2596) , colour, MoT, mileage</p> <p>H. Hence if the vehicle has no warranty select the “no warranty” radio. Otherwise fill in warranty fields.</p> <p><b>Expected Result:</b> Dynamically the warranty fields will become uneditable if “no warranty” is selected.</p> <p>I. Click the add button and then exit.</p> <p><b>Expected Result:</b> Observe that the vehicle record appears in the table with customer details. Next booking and last service are empty as the record is new and has no past/future bookings set. For further details including warranty details click “Vehicle Details “ button.</p>	PASS
9. Logout, close application and log back in. Show created record is persistently stored.	<p>A. Click the logout button</p> <p>B. Login with user: 10001 and password: password</p> <p>C. Navigate to Vehicles tab</p> <p>D. Search the vehicle record added previously (i.e. TAA2596) by vehicle registration number.</p> <p><b>Expected Result:</b> The previously added record should appear on the table</p>	PASS

<p>10. Data Integrity testing: “Death Relationship” test on Vehicle deletion. Show that when a vehicle is deleted that all of the bookings of that vehicle, parts installed of that bookings as well as specialist repaired parts are deleted dynamically.</p>	<p>A. Navigate to Vehicle tab.  B. Select a vehicle e.g. “AKI9087 Fiat Fiorino” of customer “Warren Buffet” and click Bookings &amp; Parts. Hence click parts installed to view parts installed if any.  <b>Expected Result:</b> Observe that the vehicle has 3 Repair Bookings of which the first one has 3 parts installed  C. Click exit. Hence select it again and delete it.  D. Navigate to the Bookings tab.  E. Attempt to search for the “AKI9087 Fiat Fiorino”  <b>Expected Result:</b> Observe that the bookings of “AKI9087 Fiat Fiorino” have been deleted dynamically.  F. Navigate to the Parts tab  G. Search by Vehicle Registration number the “AKI9087 Fiat Fiorino”  <b>Expected Result:</b> Observe that the parts installed of “AKI9087 Fiat Fiorino” have been deleted dynamically.  H. Navigate to the SPC tab.  I. Search by Vehicle Registration number the “AKI9087 Fiat Fiorino”  <b>Expected Result:</b> Observe that the parts subcontracted by SPC of “AKI9087 Fiat Fiorino” have been deleted dynamically.</p>	PASS
<p>11. Testing next Booking in Vehicles. Next booking is supposed to show the most recent future booking.   Add a booking to a vehicle more recent than the current next booking and show that it gets updated to show the most recent added.</p>	<p>A. Navigate to the Vehicles tab  B. E.g. Vehicle “AIO8977 VolksWagen Polo” has next booking on 2017-06-16 15:00 of customer “Warren Buffett”  C. Navigate to Booking tab  D. Click add Booking  E. From the Customer Details section select from the Customer drop down menu customer “Warren Buffet”  F. From the Vehicle Details section select his “AIO8977 VolksWagen Polo” vehicle.  G. From the Booking Details section select a date earlier than “2017-06-16 15:00”(i.e. the current next booking date) e.g. “2017-05-02 09:00”  H. Click confirm.  I. Navigate to Vehicles tab  <b>Expected Result:</b> Observe that vehicle “AIO8977 VolksWagen Polo” has updated next booking on “2017-05-02 09:00”</p>	PASS
<p>12. Search vehicles by vehicle template.</p>	<p>A. Navigate to Vehicles tab  B. Above the table there is dropdown menu with vehicle templates.  C. Click it.  D. Select from the list the Vehicle template you want to search for e.g. “Ferrari Maranelo”</p>	PASS

	<p><b>Expected Result:</b> Observe that dynamically on vehicle template click the matching vehicle are displayed if they exist.</p> <p>E. To return to the initial state with all vehicle s select from the vehicle template menu the “ALL” option.</p>	
<p>13. Testing of LastService functionality. LastService is supposed to show the most recent past booking.</p>	<p>A. Navigate to Vehicles tab</p> <p>B. Select a vehicle e.g. “KHH9087 Fiat GTI” that has bookings.</p> <p>C. To validate if the last service displayed is correctly. Click Bookings &amp; Parts button to view all the bookings of that vehicle.</p> <p>D. To view only the past bookings filter by selecting Past bookings from the drop down on the right in the View bookings section.</p> <p><b>Expected Result:</b> Observe the booking dates and validate that the last service date is correct. In our example “2017-03-01 12:00” is the correct last service. Which is displayed correctly.</p>	PASS