

Lab Assignment 4

Kaustubh Yadav

18BCB0150

Slot: L41+L42

Topic: Unit Test Cases

Unit test case for Calculation of Depreciation costs for Repossessed Vehicles

Test Case Id	Test Case	Test Data	Expected Result	Actual Result	Comment
1	Enter veh_id present in the veh_info data	veh_id = 36936	Form is Editable	Form is Editable	Passed
2	Enter veh_id NOT present in the veh_info data	Veh_id = 45845	Not A Valid Entry	Not A Valid Entry	Passed
3	Enter form data in the range of 0 and 10, and triggering Enter In Database function	6,6,6,6,6,6,6,6,6,6,66	Entry has been added	Entry has been added	Passed
4	Enter form data with a negative value	6,-6,6,6,6,6,6,6,6,6,66	Enter Correct Values	Enter Correct Values	Passed
5	Entering for the entry that already exists	36936 6,6,6,6,6,6,6,6,6,6,66	Already exists	Already exists	Passed
6	After entering the valid values the depreciation function is triggered	6,6,6,6,6,6,6,6,6,6,66	4950.0	4950.0	Passed
7	Triggering Submit Form after depreciation calculations	36931 6,6,6,6,6,6,6,6,6,6,66	Sucess	Sucess	Passed
8.	Triggering Submit Form before depreciation calculations	36931 6,6,6,6,6,6,6,6,6,6,66	Not a Valid Entry	Not a Valid Entry	Passed

Test case Id 1:

The screenshot shows the 'Inspection Form' application window. At the top, the title 'Inspection Form' is centered. Below it, the 'Vehicle ID' field contains the value '36936', and a 'Verify' button is to its right. A small instruction text reads: 'Rate the following category out of 10,(10 beigh the highest)'. The form lists several categories for inspection, each with a corresponding input field: Windshields, Tyres, Engine Effenciency, Scraches, Seats, Gear System, Exhaust System, Breaks, Headlights, Containers, and Airbags/Overall Security. At the bottom, there is a 'Distance Travelled' field with the instruction '(Give the absolute value for this field)'. Below the input fields are four buttons: 'Reset Form', 'View Depreciation', 'Enter to Databa...', and 'Submit Form'. A message box is displayed in the center of the form, titled 'Message', with an information icon and the text 'Form is Editable'. The message box has an 'OK' button.

Test case Id 2:

The screenshot shows the 'Inspection Form' application window. At the top, the title 'Inspection Form' is centered. Below it, the 'Vehicle ID' field contains the value '45654', and a 'Verify' button is to its right. A small instruction text reads: 'Rate the following category out of 10,(10 beigh the highest)'. The form lists several categories for inspection, each with a corresponding input field: Windshields, Tyres, Engine Effenciency, Scraches, Seats, Gear System, Exhaust System, Breaks, Headlights, Containers, and Airbags/Overall Security. At the bottom, there is a 'Distance Travelled' field with the instruction '(Give the absolute value for this field)'. Below the input fields are four buttons: 'Reset Form', 'View Depreciation', 'Enter to Databa...', and 'Submit Form'. A message box is displayed in the center of the form, titled 'Message', with an information icon and the text 'Not A Valid Entry'. The message box has an 'OK' button.

Test case Id 3:

The screenshot shows the 'Inspection Form' application window. At the top, the title 'Inspection Form' is centered. Below it, the 'Vehicle ID' field contains '36936' and a 'Verify' button is to its right. A small instruction text reads: 'Rate the following category out of 10.(10 beigh the highest)'. The form lists various vehicle components with corresponding input fields: Windshields (6), Tyres (6), Engine Efficiency (6), Scratches (6), Seats (6), Gear System (6), Exhaust System (6), Breaks (6), Headlights (6), Containers (6), and Airbags/Overall Security (6). At the bottom, the 'Distance Travelled' field contains '66' with the instruction '(Give the absolute value for this field)'. Below the form are four buttons: 'Reset Form', 'View Depreciation', 'Enter to Databa...', and 'Submit Form'. A modal message box is displayed in the center, titled 'Message', with an information icon and the text 'Entry has been added'. It has an 'OK' button.

Test case Id 4:

The screenshot shows the 'Inspection Form' application window. The layout is identical to the previous one, but the 'Tyres' field now contains '-6'. The modal message box is titled 'Message' and displays an information icon with the text 'Enter Correct Values'. It has an 'OK' button. The 'Vehicle ID' field still contains '36936' and the 'Verify' button is present. The other fields (Windshields, Engine Efficiency, Scratches, Seats, Gear System, Exhaust System, Breaks, Headlights, Containers, Airbags/Overall Security, and Distance Travelled) contain the same values as in the previous screenshot.

Test case Id 5:

The screenshot shows the 'Inspection Form' application window. At the top, the title 'Inspection Form' is centered. Below it, the 'Vehicle ID' field contains '36936' and a 'Verify' button is to its right. A small instruction text 'Rate the following category out of 10,(10 beigh the highest)' is below the Vehicle ID field. The form lists various vehicle components on the left, each with a corresponding input field on the right, all containing the value '6': Windshields, Tyres, Engine Efficiency, Scraches, Seats, Gear System, Exhaust System, Breaks, Headlights, Containers, and Airbags/Overall Security. At the bottom, the 'Distance Travelled' field contains '66' with the instruction '(Give the absolute value for this field)'. Below the form fields are four buttons: 'Reset Form', 'View Depreciation', 'Enter to Databa...', and 'Submit Form'. A 'Message' dialog box is open in the center, displaying an information icon, the text 'Already Exists', and an 'OK' button.

Test case Id 6:

The screenshot shows the 'Inspection Form' application window, identical to the previous one, but with the 'Submit Form' button highlighted. The 'Distance Travelled' field now contains the value '4950.0' instead of '66'. The other fields and buttons remain the same.

Test case Id 7:

The screenshot shows the 'Inspection Form' application window. At the top, the title 'Inspection Form' is centered. Below it, the 'Vehicle ID' field contains '36931' and a 'Verify' button is to its right. A small instruction text reads: 'Rate the following category out of 10,(10 beigh the highest)'. The form lists various vehicle components on the left, each with a corresponding input field on the right, all containing the value '6': Windshields, Tyres, Engine Effenciency, Scraches, Seats, Gear System, Exhaust System, Breaks, Headlights, Containers, and Airbags/Overall Security. At the bottom, there are four buttons: 'Reset Form', 'View Depreciation', 'Enter to Databa...', and 'Submit Form'. The 'Submit Form' button is disabled, and the text '4950.0' is visible next to it. A 'Distance Travelled' field with the instruction '(Give the absoute value for this feild)' is also present. A modal dialog box titled 'Message' is centered on the screen, displaying an information icon, the text 'Sucess', and an 'OK' button.

Test case Id 8:

This screenshot shows the same 'Inspection Form' application window as the previous one, but with the 'Vehicle ID' field containing '36930'. The 'Verify' button is now enabled. The modal dialog box displays an information icon, the text 'Not A Valid Entry', and an 'OK' button. All other elements of the form, including the component ratings and bottom buttons, remain the same as in the previous screenshot.