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| BOWMAN CAR HIRE |
| CARDATABASE TEST PLAN |
| C# AND SQL TEST PLAN AND PROCEDURES |

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Purpose

The bowman car hire application is intended to bring ease to capturing and keeping track of the company’s inventory. Users are able to track and add new, search through the system and remove unwanted data. This application is event triggered with buttons that trigger the events, two windows form and SQL database to store the data.

Application Overview

The application will enable users to sort, update, and search and delete relevant information with regards to the business. The test plan allows users to validate that the program meets expectations.

Test Strategy

Test Objective

* Verify that the the application loads as expected.
* Verify that all buttons work as expected.
* Verify that all textbox accepts input as expected.
* Verify that the test will execute and verify the test data.
* Verify that that the checkbox selects the Boolean option as required.
* Verify that the tooltip guides the user in which button to select.
* Verify that the first form opens the second form via search button.
* Verify that the second form has two combo boxes, a textbox and a run button

Resources Used

This is a Windows based application and will be tested in a windows environment. Fuctional testing will be used as a testing tool. The tester will enter test data and use it to carry the test.

Method

The test will be carried out in the application.

Scope

A test table will detail the results of the functional testing.

FUCTIONAL TESTING PLAN

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| USER | GOAL | TEST ID | Passed/Failed | ESTIMATE TIME TESTING |
| General user | Start the program | 1 | Passed |  |
| General user | View the GUI | 2 | Passed |  |
| General user | Enter data for vehicle registration number textbox | 3 | Passed |  |
| General user | Enter data for Make textbox | 4 | Passed |  |
| General user | Enter data for Engine size textbox | 5 | Passed |  |
| General user | Enter data for Date Registered textbox | 6 | Passed |  |
| General user | Enter data for Rent per day textbox | 7 | Passed |  |
| General user | Click update button | 8 | Passed |  |
| General user | Click add button | 9 | Passed |  |
| General user | Click delete button | 10 | Passed |  |
| General user | Click Cancel button | 11 | Passed |  |
| General user | Click exit button | 12 | Passed |  |
| General user | Click search button | 13 | Passed |  |
| General user | Click next button | 14 | Passed |  |
| General user | Click first button | 15 | Passed |  |
| General user | Click previous button | 16 | Passed |  |
| General user | Click last button | 17 | Passed |  |
| General user | View textbox | 18 | Passed |  |
| General user | View second form | 19 | Passed |  |
| General user | View combo box | 20 | Passed |  |
| General user | Click run button | 21 | Passed |  |
| General user |  |  |  |  |

**Actual Results**

Start the program

Validated that the application displays with the 10 buttons and 7 textboxes and if you click the search button the second form loads.

View the Graphical user interface

Validated that the form is user friendly and everything is in correct format.

Enter data for vehicle registration number textbox

The user is able to enter data in the textbox

Enter data for Make textbox

The user is able to enter data in the textbox

Enter data for Make textbox

The user is able to enter data in the textbox

Enter data for Make textbox

The user is able to enter data in the textbox

Enter data for Engine size textbox

The user is able to enter data in the textbox

Enter data for Date Registered textbox

The user is able to enter data in the textbox

Enter data for Rent per day textbox

The user is able to enter data in the textbox

Click update button

User clicks button and the program displays a message informing the user if record was saved.

Click add button

User clicks button and the program displays a message informing the user if record was added.

Click delete button

User clicks button and the program displays a message informing the user if record was deleted.

Click Cancel button

User clicks button and the textboxes are cleared.

Click exit button

User clicks button and the program exited.

Click search button

User clicks the button and the search button opened a second form.

Click next button

User clicks the button and the next records were displayed in the textboxes and the bottom count textbox displays the next record number.

Click previous button

User clicks the button and the previous records were displayed in the textboxes and the bottom count textbox displays the previous record number.

Click last button

User clicks the button and the last records were displayed in the textboxes and the bottom count textbox displays the last record number.

Click first button

User clicks the button and the first records were displayed in the textboxes and the bottom count textbox displays the first record number.

View search textbox

The user is able to enter data in the textbox

View second form

The second form is displayed when search button is clicked.

View combo boxes

Both combo boxes display a selection list.

Click run button

User selects the combo boxes, and types on the textbox and clicks the run button and the search is displayed.