# Test log sheets

**Candidate:**  Dominic Cameron **Project title:** Hospital Database Assessment

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| **Test case** | **Test data** | **Expected result** | **Actual result** | **Comments** |
| Launch the app | User will launch the app by running the MainFrame.java file | The app will open up with a welcome message in the centre of the Window. | The file opens in a window, with a size of 800x600, as expected | Image[1] *See References at the bottom of the file to view the images* |
| Close the app | The User will close the window by navigating to File in the top left of the toolbar, and selecting the only choice there “Exit” | Upon clicking of Exit, the application will close the window along with all application processes. | The program terminates the window, as expected | Image[2] User navigating to the File toolbar item |
| Toolbar Function – View / Edit | User will navigate to the toolbar item “View / Edit” and select a table they would like to view i.e “Visit” | The selected table will open up in the main frame and the user can now view or edit the records. | The program displays the menu items in the toolbar, and can navigate to a table. As expected | Image[3] demonstrates the toolbar menu, Image[4] demonstrates the table. |
| Toolbar Function – Search | User will navigate to the toolbar item “Search” and select one of the Search forms i.e “Patient” | Upon selecting “Patient” a form will appear that will allow the user to filter the search using Radio buttons to select the search parameter. | The program displays the menu items in the toolbar, and opens the correct form. As expected | Image[5] displays the behaviour of toolbar menu, Image [6] Shows the search form. |
| Toolbar Function – Add Records | User will navigate to the Toolbar Item “Add records” select a desired form I.e “Doctor form” | The system will bring up a form that will allow the user to add a new record to the Doctor Table. | The program displays the Toolbar menu items correctly, and pressing on an item returns the correct form. | Image[7] Depicts the behaviour of the toolbar menu, Image [8] shows the add records form. |

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| Table Right Click function | In the Table view, users can right click on a record to bring up, option for managing the record | A record is highlighted, and a small menu appears which allows the user to either “Add ” a new record, “Edit” the selected record, “Delete” the selected record, or “Refresh Table” | The right click option brings up a menu with all of the correct items. | Image [9] Shows the layout of the right click menu. |
| Table Right Click – Add | User clicks on the “Add” option in the Right click menu, while viewing Prescription table | The system will open up a form matching the current table. And wait for user to input details and save, or cancel. | In the prescription table, right clicking, and pressing add brings up ‘Add new prescription form’ | Image[10] shows the new prescription form after clicking add in the right click menu. In the prescription table. |
| Table Right Click - Edit | User right clicks desired record, chooses “Edit” option | The system will open up a form preloaded with the current records information. To allow seamless editing. | As expected the form shows up and displays the current records info | Image [11] |
| Table Right Click - Delete | User right clicks desired record, chooses “Delete” option | The System will bring up a confirmation box that will ask the user if they’re sure they want to delete this record. | As expected the system shows a confirmation box to ensure the user definitely wants to delete that record. | Image [12] |
| Table Right Click – Refresh Table | User right clicks and selects “Refresh Table” | The system will reload the table with the results (Only noticeable when a change doesn’t show immediately) | As expected the system refreshes the table, this can be seen when a record is highlighted. Refreshing will deselect the current item. | No comment |

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| **Test case** | **Test data** | **Expected result** | **Actual result** | **Comments** |
| Add record on Insurance Table | Normal: Add insurance record. Insurance ID: HGND36P Company: Cherish Insurance Scotland  address: 25 Gallowgate Phone: 964-698-2871 | A new insurance record with the Insurance ID: HGND36P should be added to the Database. | As Expected a new record is added to the database. If viewing the Insurance table user can see that the record was added to the database. | Image [13] [14] |
|  | Extreme: Add insurance record featuring a very long company name. Insurance ID: HGND37P Company Name: X(50 Character long)  address: 26 Gallowgate Phone: 964-698-2872 | The system should reject the input of a company name, as it would exceed the allowed field length. It will display an error message that explains to the user that the field length allowed has a limit. | As expected a record cannot be submitted with a longer than allowed company name. Error pops up to inform the user as can be seen in Image [16] | Image [15] & [16] |
|  | Exceptional: Add Insurance record with an ID Featuring Special characters. ID: “H$ND37!” Company name: Enable Insurance Scotland  address: 45 Gallowgate Phone: 964-698-2873 | The system should reject the input of the special characters, and which upon submission of the form will prompt the user to amend that field. | As expected the system can not accept an insurance id that features special characters [17], as seen in image [18] the System displays a dialog box that informs the user of the issue. | Image [17] & [18] |
| Search Record on the Prescription Table | Normal: Search a prescription record with the id=”1634654226” | The table search box should close and the table should retrieve the record with that ID. | As expected, the program finds the Prescription ID searched and display’s it in a Results Table. Image[20] | Image [19] & [20] |
|  | Extreme: Search a prescription record with a negative value typed into duration. Value: -1 | The program should display a message that says, no records found. | As expected the program returns no records found | Image[21] & Image[22] |
|  | Exceptional: Search a prescription record that doesn’t exist id=”984991153” | The program should display a message that says, no records found. | Unexpected, the program returns a non-existing record in the results table, featuring empty values | Not an actual match, but lack of “No records found message” Image[23] |

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| **Test case** | **Test data** | **Expected result** | **Actual result** | **Comments** |
| Edit Record in the Doctor Table | Normal: Find the record with the Doctor ID: “1724” and change the Hospital to “Aberdeen Royal Infirmary” | User either manually browses the table to find the record to right click, or uses the search option to find the listing, edit the necessary field, and submit to update the record. Table refreshes upon submission | As expected user was able to find the Doctor Boothe Pavlol and add Aberdeen Royal Infirmary to the hospital field. | Image[24] [25][26] |
|  | Extreme: Find the record with the DoctorID: “9947” and change the email to “” | Once the email has been edited to contain nothing, the form will not allow the user to submit. | As expected the system will not allow the user to submit a record without an email address. And returns an error message to inform the user. | Image[27] |
|  | Exceptional: Find the record with the DoctorID: “7763” and edit the Specialization field with Invalid characters = “$p3c!4L!zed” | System should display a message to inform the user that the Specialization field has invalid characters. User won’t be able to submit the form. | As expected the system will alert the user that the specialization field must only contain letters | Image[28] |
| Delete a Record in the Patient Table | Normal: Delete a patient record PatientID = “30087242” | System will delete the user record from Database | As expected the user located the record, right clicked, pressed delete, confirmed to delete the user | Image[29][30][31][32] It took a refresh of page to display the change to the database on gui end |
|  | Extreme: Delete a patient record which has relational integrity with records in another table  PatientID: “9018414” | The System will allow the record to be deleted due to no foreign keys being implemented in the database. | As expected the after finding and locating the record, deleting the record removed the record from the patient table due to no foreign key constraints in the data dictionary | Image [33][34][35] SQL queries to show the presence and deletion of the record from database. |
|  | Exceptional: Delete a record with no PatientID | Impossible to achieve, user needs to right click on the selected record to remove a record. | As expected there is no way to demonstrate this. | No commnet |

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| **Test case** | **Test data** | **Expected result** | **Actual result** | **Comments** |
| View Record in the Drug Table | Normal: Open the Drug table via toolbar, “View/Edit” & select “Drug” | The Drug table will open in the main frame and allow the user to manage the records | As expected the Drug table opens without issues | Image [36] & [37] |
|  | Extreme: View all details in drug table on screen, by making the page full screen. Resize columns if necessary. | The screen will resize from the standard size to allow the user to view the records easier. | As expected after making the window full screen, the benefits were easier to read, and sorting of name column was available, resizing columns as necessary was also available | Image[38] |
|  | Exceptional: Find the records in Drug table by using the search bar to see all drug name’s containing the string “Ib” | The system will return all drugs that contain the String “Ib” within the drug name | As expected the system displayed the records containing “Ib” in the Drug name, returning one record, Ibuprofen Kids. | Image[39][40][41] |

References

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