ECS506U Software Engineering

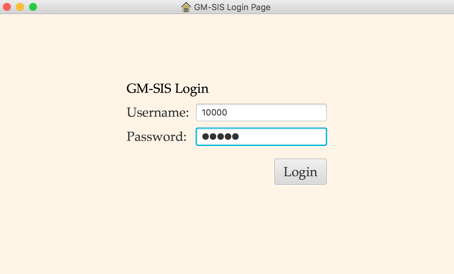
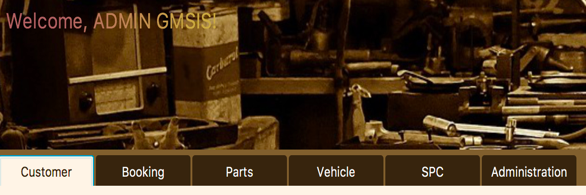
Group Project 2017

**Team 9**

**Test Cases**

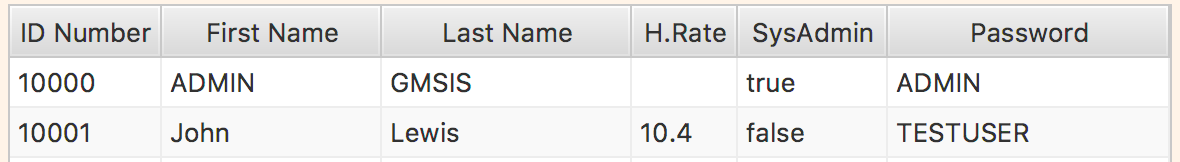
**Authentication**

Admin Details – Username: 10000, Password: ADMIN, First name: ADMIN, Last name: GMSIS

1.  Logon as existing system administrator – provide id and password. **RESULT: PASS**

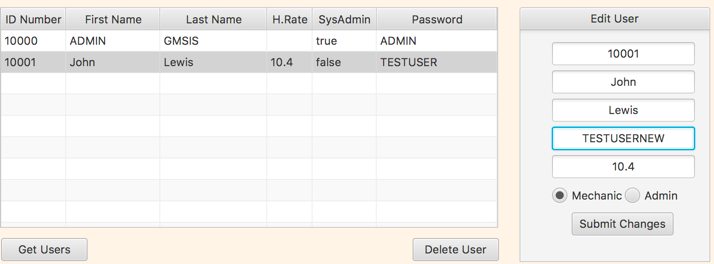
Enter the details (username and password) and press the ‘Login’ button. The system will authenticate and the application will launch. In the top left corner, there is a welcome message indicating the logged user. When an admin is logged in, the ‘Administration’ tab will appear in the main navigation bar.

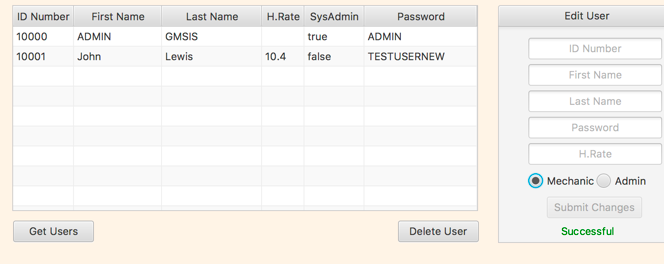
1. View list of existing users (all users of both types). **RESULT: PASS**



Logged in as admin navigate to the ‘Administration’ tab from the main navigation bar. A table with the list of all existing users will be displayed.

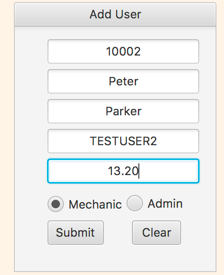
1. Change password of existing day-to-day user. **RESULT: PASS**



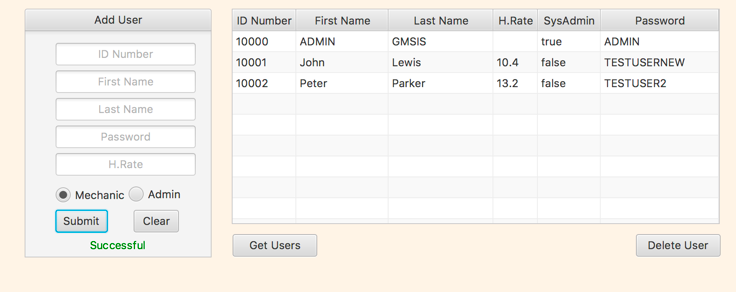


From the list of users double click the desired user. On the ‘Edit User’ pane change the password by typing on the designated text field and press the submit button. The status should display success and the list will be updated showing the new password.

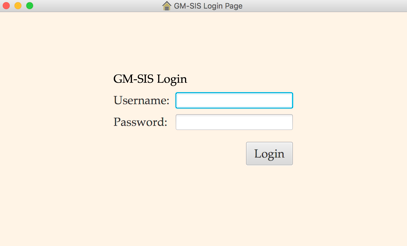
1. Create a new day-to-day user. **RESULT: PASS**



Add the day-to-day user details on the ‘Add User’ pane and press submit. The system will validate the input details and display the status success/failure. We can see that the user has been added to the system and it appears on the list of users table (3rd row).



1. Logout existing administrator. **RESULT: PASS**

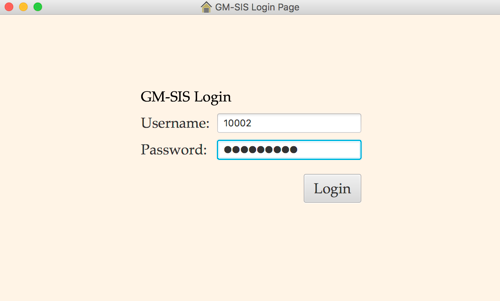


On the top right corner press the ‘Logout’ button. This will logout the current administrator, close the main interface and prompt the login-in page again.

User Details – Username: 10002, Password: TESTUSER2, First name: Peter, Last name: Parker

1. Login as the new day-to-day user. **RESULT: PASS**

Enter the day-to-day user details and press ‘Login’. If the authentication has been successful on the top left you will see the name of the logged user. Since it is not an administrator, the ‘Administration’ tab has been disabled from the main navigation bar.

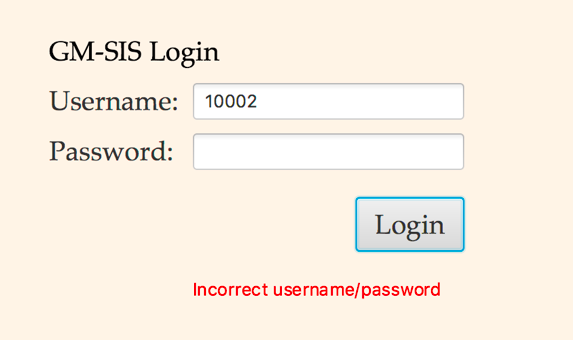


1. Logout as new day-today user. **RESULT: PASS**

On the top right corner of the interface, press the ‘Logout’ button. This will shut down the main interface and prompt the login-in page. (see screenshots of test case 5)

1. Attempt login as new day-to-day user with incorrect authentication. **RESULT: PASS**

Attempting to login as: ‘Peter Parker’, username: 10002, password: TESTUSER2, input password: ‘WRONG’

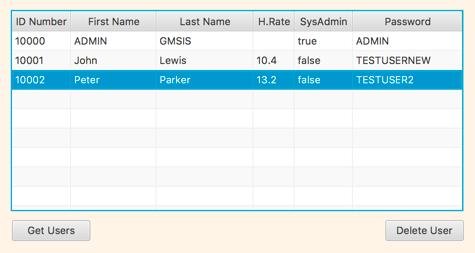
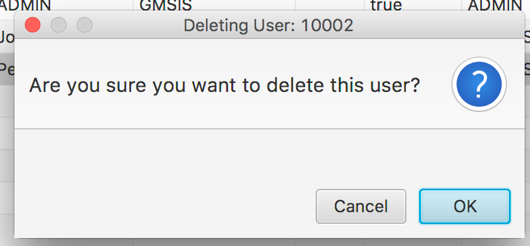
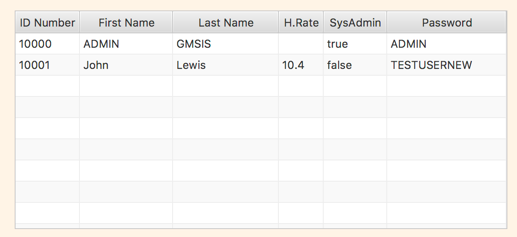


After attempting to login as new day-to-day user with the incorrect credentials, the system has detected that either the username and/or password has been incorrect. This will display the status seen at the screenshot and will prompt the user to re-enter the credentials and reattempt to login.

1. Logon as existing system administrator. **RESULT: PASS**

Enter the admin details: Username: 10000 and Password: ADMIN and press the ‘Login’ button. Once the main interface is loaded on the top left the logged user is displayed, in this case (“Welcome, ADMIN GMSIS!”). (see screenshots of test case 1).

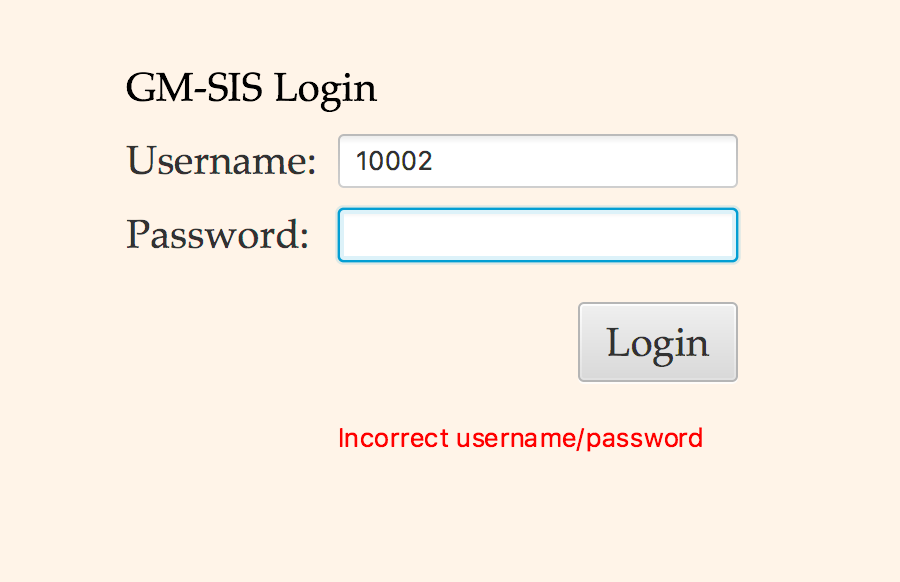
1. Delete newly created day-to-day user. **RESULT: PASS**



From the list of users **double-click** the desired user to delete. Press the ‘Delete User’ button right bottom of the table. Confirm the alert by pressing the ‘OK’ button. We can see that the list has been updated and the user is deleted.

1. Login as existing day-to-day user. **RESULT: PASS**

Log-out from the admin account (see test case 5). The system will prompt the log-in page. Attempting to login with the credentials of the deleted user will show the following error:



Try to login with a different user’s credentials:

Username: 10001, Password: TESTUSERNEW, First Name: John Last Name: Lewis:

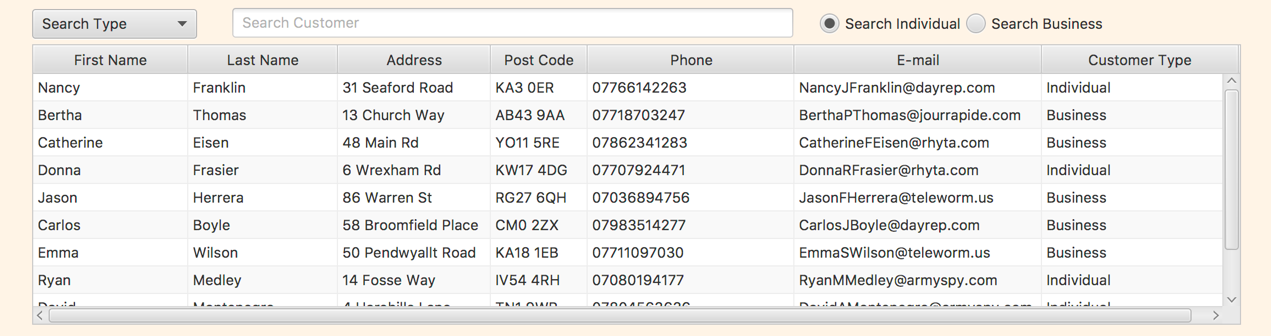
**RESULT:**



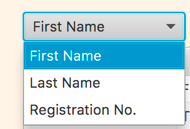
**Customer Account**

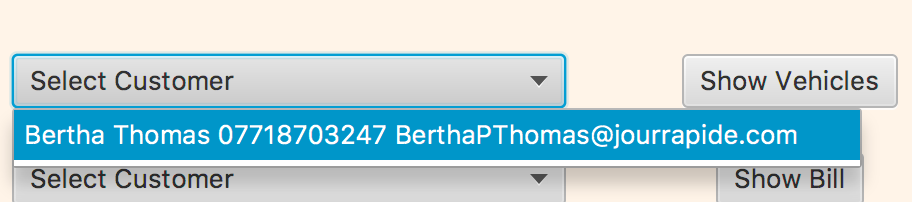
1. View existing business and private customers. **RESULT: PASS**

Once the user has logged in the system, the first tab that will be displayed is the ‘Customer’. Automatically, the table in the tab will be populated with all the existing customers (both individual and business).



1. Search for a business customer, using partial name, and show contact details and list of vehicles. **RESULT: PASS**

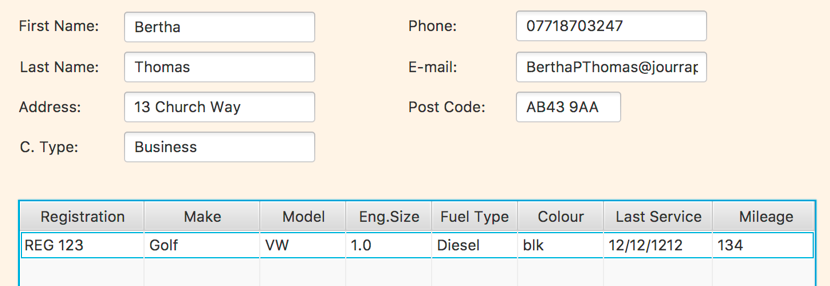


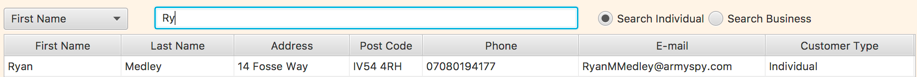
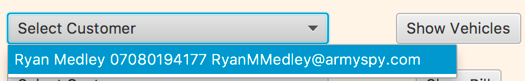
  
  
  
  
  
To display list of vehicles, select from the drop down the customer:

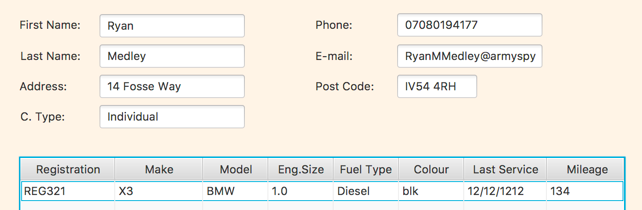
Select the desired search method from the drop-down menu. Then select the business radio-button to search for business customers. Type the partial name in the search bar and press enter.

After press, the ‘Show Vehicles’ button.

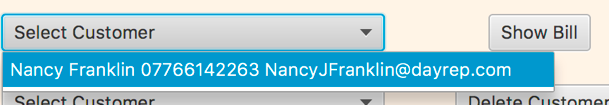
A pop up window will appear displaying all the vehicles that belong to the selected customer:

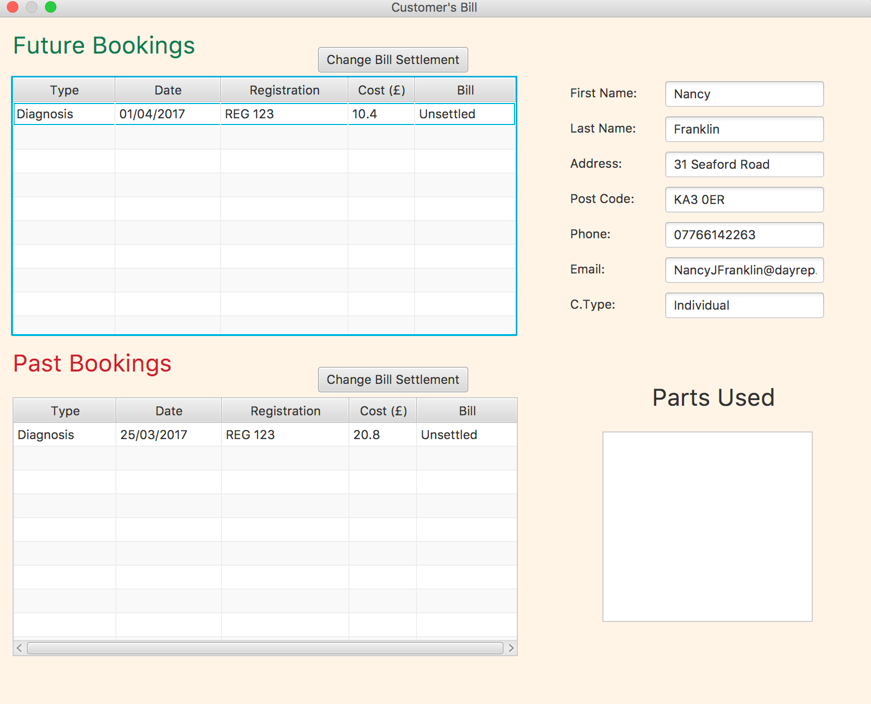
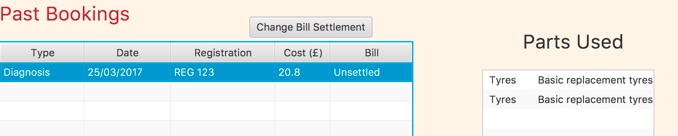


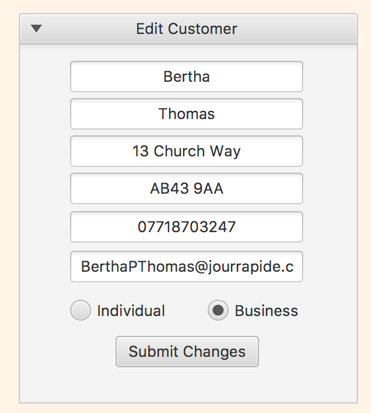
1. Search for a private customer, using partial name, and show contact details and list of vehicles. **RESULT: PASS**



Like in test case 2, select the ‘First Name’ from the drop-down as a search type and the ‘Individual’ from the radio-buttons. Type the partial name and press enter to search the private customer. To display customer’s vehicles from the drop-down list, select the customer and press ‘Show Vehicles’.

1. For an existing customer show bills for past completed bookings and show settlement status. **RESULT: PASS**



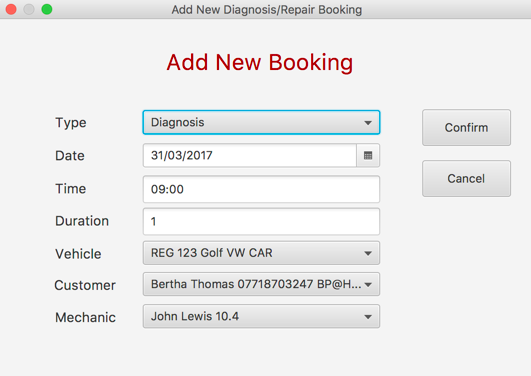
  
  
  
  
  
  
  
  
  
5. Edit a customer record. **RESULT: PASS**

From the drop-down list select the desired customer and click the ‘Show Bill’ button. A pop out window will show up with the ‘Future Bookings’ and ‘Past Bookings’ of the customer as well as his/her contact details. To view the parts that were used in a booking, **double-click** the row on the list. The settlement status of a booking can be seen on the last column of the table.

From the list of customers, **double-click** the desired customer to edit. The system will load all the details of the customer on the ‘Edit Customer’ pane. There you can change any information regarding the customer and update it by pressing ‘Submit Changes’.

The result below shows the e-mail address being changed from: [BerthPThomas@hourrapide.com](mailto:BerthPThomas@hourrapide.com) to [BP@HOTMAIL.COM](mailto:BP@HOTMAIL.COM)

6. For an existing customer initiate a new booking (don’t make the booking just initiate the process). **RESULT: PASS**

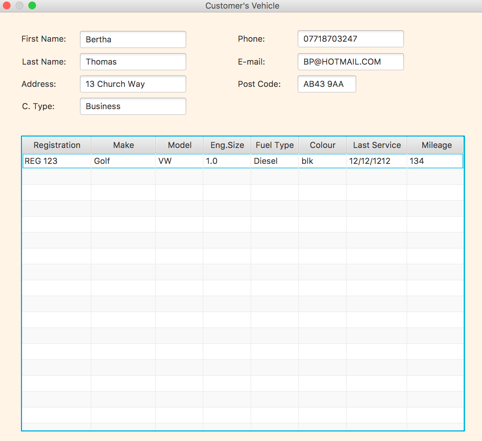
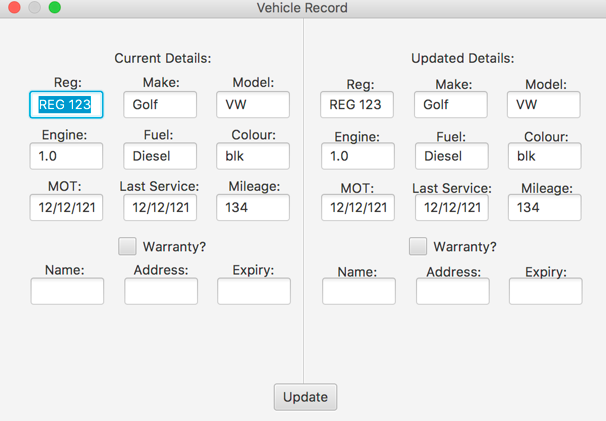




From the drop-down select the desired customer. Press the ‘Initiate Booking’ button and a pop up window will appear. This window has been taken from the Diagnosis and Repair bookings module that adds a new booking record. In this case, it just initiates the window filled in with all the client details and vehicles. The user has the capability to add a booking then and there.

7. For an existing customer initiate access to a vehicle record. **RESULT: PASS**

From the drop-down menu select the desired customer and click the ‘Show Vehicles’ button (see test cases 2,3). The window seen in Figure 1 will pop up with the list of the client’s vehicles. **Double-click** a row to initiate a vehicle record. This will pop up the window seen in Figure 2, which allows the user to edit the selected vehicle record. The pop window is retrieved from the Vehicles module.

  
Figure 1. Figure 2.

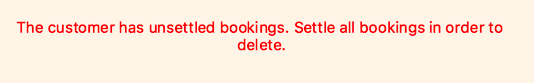
8. Delete a customer record. **RESULT: PASS**

Figure 1

Figure 3

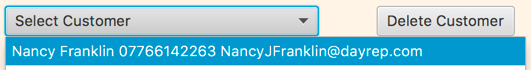
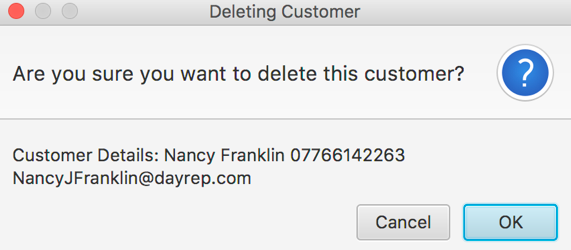
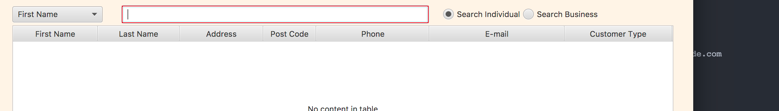
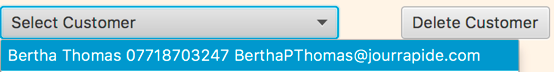
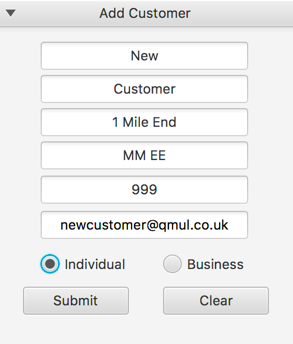


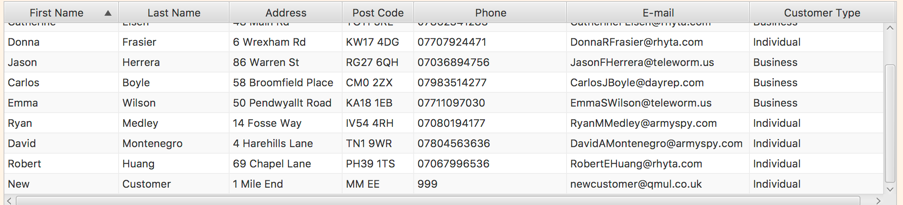
Figure 2

From the drop-down menu select the desired customer to delete. The system will pop up an alert box which will require the user’s confirmation to delete the customer records. When pressing ‘OK’, the system will check the client’s booking records for any unsettled bills. On the above example, we see the scenario of a user that has unsettled bills in the system which will lead to failure of deletion (Figure 3.).

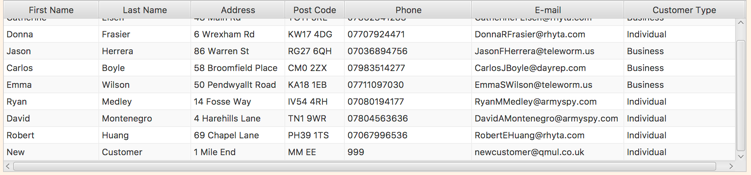
Below we can see a successful deletion of a customer. We observe that the customer record has been taken off from the customer’s list table.



9. Create a new customer account. **RESULT: PASS**

10. Logout, close application and log back in. Show created record is persistently stored. **RESULT: PASS**

On the ‘Add Customer’ pane input all the client details and press ‘Submit’. The system will validate the inserted data and display the outcome of the process (success/failure). On the right, we can see the client has been added to the system and the list has been updated.



To logout press the ‘Logout’ button top left. Logging in as a day-to-day user we can see on the customer tab that all the records are persistently stored and are present on the list of customer’s tables.

**Vehicle**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test No.** | **Purpose of Test** | **Test Data** | **Expected outcome** | **Actual outcome** | **Pass/Fail** |
| 1. | Search for vehicles by type car | No data input | Tableview of all vehicles will only show vehicles which are of type car | Tableview filtered list of vehicles to only show cars | Pass |
| 2. | Search for vehicles by type van | No data input | Tableview of all vehicles will only show vehicles which are of type van | Tableview filtered list of vehicles to only show vans | Pass |
| 3. | Search for vehicles by type truck | No data input | Tableview of all vehicles will only show vehicles which are of type truck | Tableview filtered list of vehicles to only show trucks | Pass |
| 4. | Select vehicle show parts used, past and future booking dates and the total cost per booking | Double click a vehicle record in the table and click vehicle details | Should open new FXML containing past and future booking dates for that vehicle and when you double click on booking parts used should appear | FXML opened as expected and correctly displayed all bookings in the system, when double clicking on a booking the correct parts used appear | Pass |
| 5. | Search for vehicles by manufacturer | “BMW” | Tableview will display only Vehicles were the manufacturer is BMW | Tableview of vehicles correctly displayed only BMW’s | Pass |
| 6. | Select vehicle and show Details | No data input | On double click of a vehicle record in the table, details should be displayed above the table in text fields. | Vehicle details successfully displayed above table | Pass |
| 7. | Edit an existing vehicle record | Changed colour to “red”,  Mileage to “100,000” | Upon updating vehicle record pop up window will display and prompt user to refresh the table after closing pop up, record should be updated | Vehicle record successfully updated | Pass |
| 8. | Edit the warranty details of a vehicle under warranty | Changed warranty name to “testcompany”,  Address to “testaddress”  And expiry to  “01/01/2019” | Upon clicking update button, pop up should appear prompting user to close update window and refresh the table, vehicle warranty info should be updated | Warranty information updated successfully | Pass |
| 9. | Delete a vehicle record | Delete vehicle record in the table of vehicles | Upon clicking delete a pop up should appear asking the user to confirm they want to delete this record before deleting it | Pop up appeared and vehicle record deleted | Pass |
| 10. | Create a new vehicle record | Create a new car record with registration “Testcar” | Upon clicking add car record should instantly appear in the table of vehicles | Car successfully added to the system and displaying in table | Pass |
| 11. | Logout, close application and log back in. New record should still be there | No test data | Newly added record should still be there | Car record with registration “Testcar” still there | Pass |