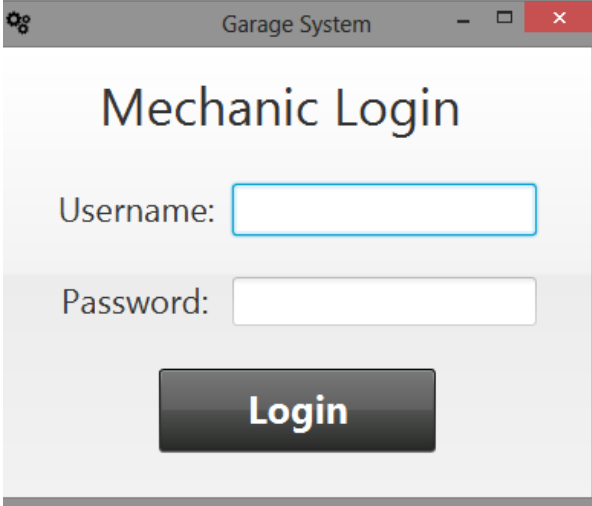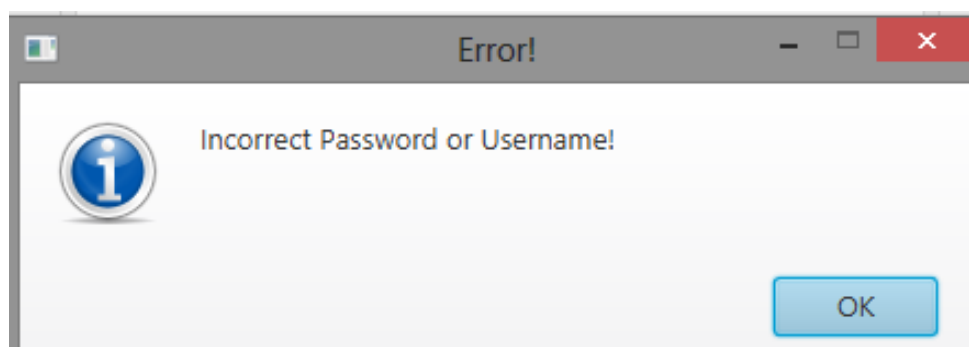# Vehicle Records Guide

Login Page

To access the vehicle record part of the system the user is required to first start the application by running the executable jar file.
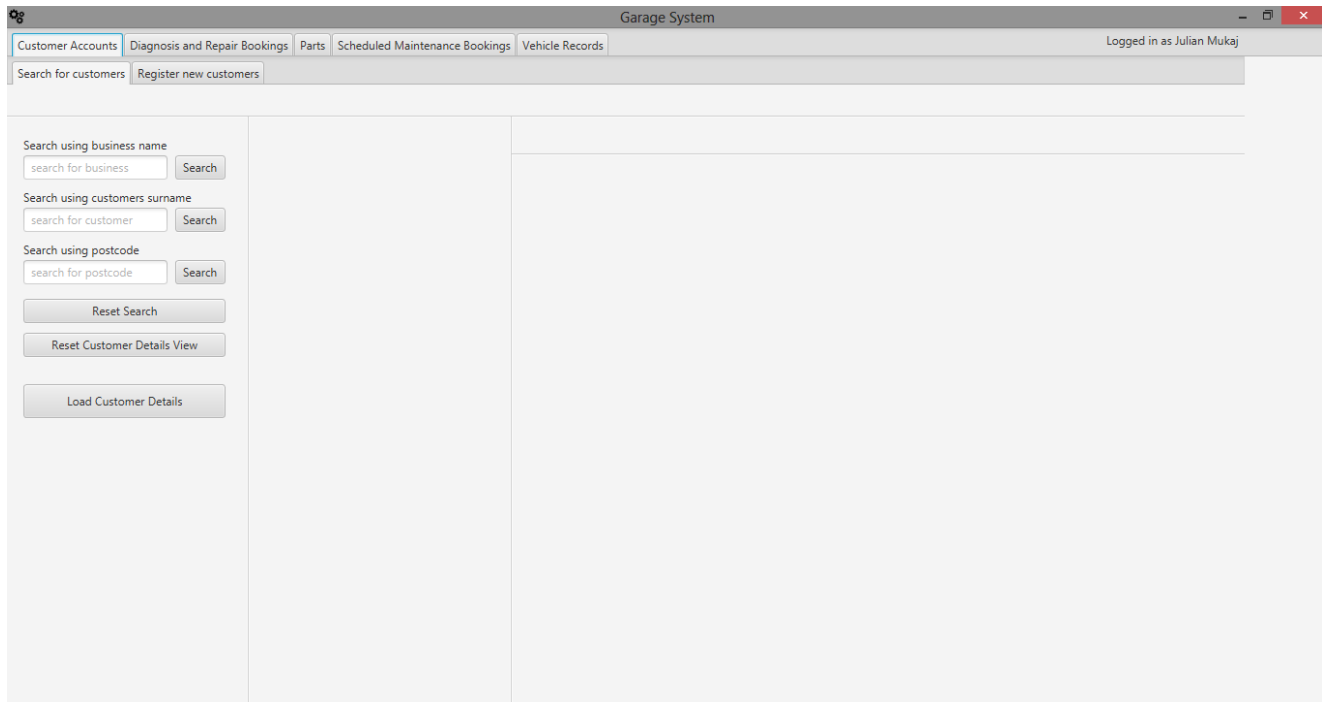
This will take the user to the login screen as displayed below. It will prompt the user for a username and a login, to proceed a correct user login in details must be inputted.

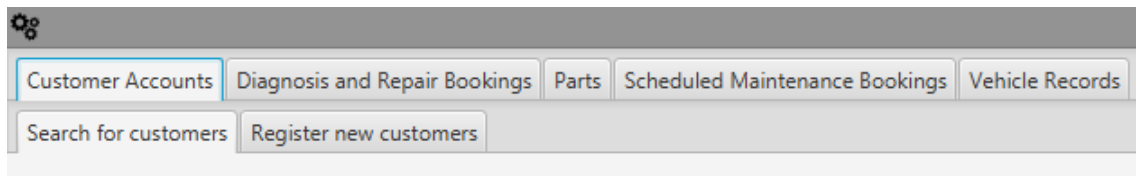If the user has entered incorrect details an error message will appear and the user will be prompted to attempt again to log in.

Once the user has successfully logged in to the system the page below will be the one they are directed too (Customer Accounts).

To view/use the vehicle records part of the system the vehicle record tab must be selected at the top of the screen.

Main Page

The diagram below shows what will be displayed to the user of the system when they are on the vehicle record tab of the system. The main page will display all the details of vehicles stored in the system in a table and all the information regarding it.

The Vehicle Records page has several functions all which are described below.

Vehicles Mot Expire Date and Last Service Date are updated after every Diagnostic and Repair Bookings ore Scheduled Maintenance Booking.

Add vehicle

To add a new vehicle to the system the system the user can select the add vehicle button, this will provide the use user with a new pop up entry form as shown below. The add vehicle form has many fields and are defined as:

Registration: Here the registration number plate of the car can is entered. Can only contain numeric or aspherical characters, no special characters will be accepted. Length needs to be exactly seven characters matching the current UK number plate format which is (XXOOXXX), where the X's represent alphabetical characters and the O's represent numerical numbers.

Customer ID: A drop down list of all customers in the system, allows the vehicle being entered to be assigned to a certain customer. Customer ID can be searched for through the customer accounts tab see customer manual.

Car Type: A drop down list of the three car types in the system, after selecting this the user can then pick a car make which is associated with the car type.

Make: A drop down list of the different car makes in the system, once this has been chosen the list of vehicles associated with the car make will be made available.

Model: A drop down list of all the models accosted with the make that has been selected by the user. If there are no models available for the car type and make an error message will displayed on screen.

Engine Size: A drop down list of all the engine sizes that can be selected

Fuel Type: A drop down list of all the Fuel types that can be selected

Colour: A drop down list of all Fuel types that can be selected.

Mileage: Cars mileage to be entered, only numeric values can be inserted.

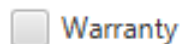Adding a vehicle into a system can happen in two ways with or without a warranty.

MOT Expire Date: Vehicles mot expire date any date can be inserted.

Last Service Date: Vehicles last service date cannot be in the future, incorrect date will result in error message.

Company Name: Enter warranty company's name cannot have special characters.

Address: Address of Warranty Company cannot have any special characters.

Warranty Expire date: Cannot be in the past otherwise error message will be produced.

 To add a vehicle with warranty the check box warranty must be ticked if not the checkbox can be left unticked and the fields relating to the warranty can be left empty however if a warranty is to be added these fields must be filled.

However all the other fields must be filled whenever when adding a new vehicle otherwise an error message will displayed as shown below after clicking the add button.

If the vehicle has successfully been added to the system a message on screen will be displayed.

The external window will then closed down.

To see the entered vehicle in the system and in the table containing all vehicle records. To search for this vehicle refer to the part of the manual which refreshes the table and the search functionalities of vehicle records.
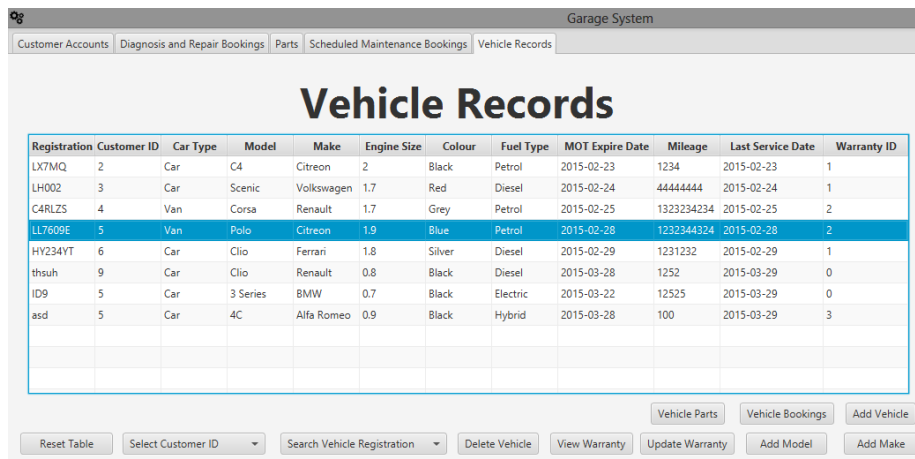
Vehicle Bookings

To view all bookings for a chosen vehicle weather this be past future or present the user needs to select a vehicle from the table.
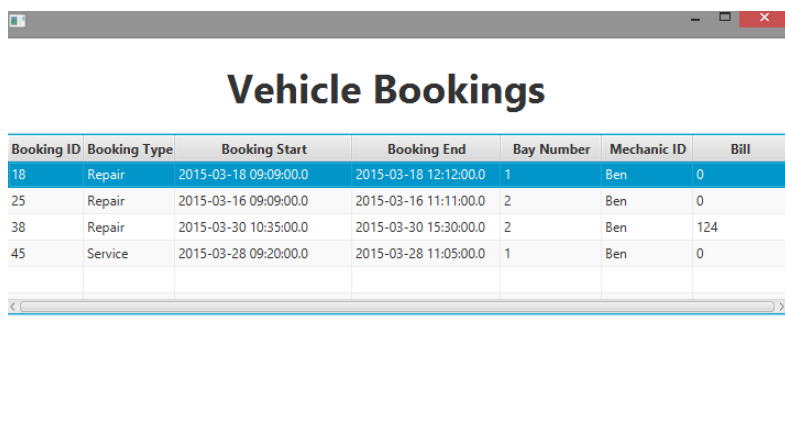
Once a vehicle has been selected the user can click the bookings button.

If the user had not selected a vehicle from the table the following message will appear on screen.

Selecting this button will open a new window displaying all the booking information relating to an individual booking. This includes the booking id, start date, end date as well as the mechanics name who worked on the booking and cost of the booking.
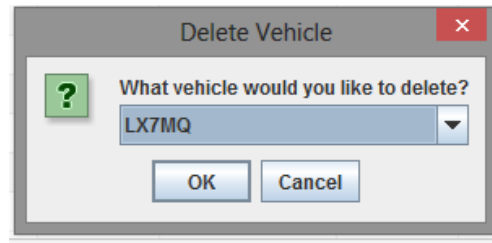

Delete Vehicle

To delete a vehicle from the system, the delete button can be selected, this will display a small pop up window with a drop down list of all the different vehicle registrations in the system.

The window that is opened after the delete button is selected is shown below.

The user can select the vehicle of their choice and then click ok, this will delete all information regarding this vehicle in the system.

A confirmation message will be shown as once a vehicle is deleted.

The table and drop down list are refreshed and highlight the deletion of the vehicle from the databases system.

Vehicle Parts

To view all parts that have been added to a vehicle weather user needs to select a vehicle from the table.

Once a vehicle has been selected the user can click the parts button.

Selecting this button will open a new window displaying all the information relating to new parts that have been added to a vehicle at each booking. These include the Vehicles ID and the booking ID of when the part was installed as well as the parts name and the date the part was installed

Search Vehicle by Registration

To search for a vehicle by its registration plate the user is provided with a drop list of vehicle registration in the system.
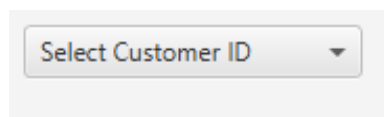
The user can select one of these registrations and the table on the main page vehicle records page will update to show only the selected vehicles information.

Search Vehicle by Customer ID

To search for vehicles belonging to a certain customer the user is provided with a drop list of all customer IDs in the system.

The user can select one of these IDS and the table on the main page vehicle records page will update to show all the vehicles belonging to the selected customer.

To search for a customer's ID, the user can use the customer accounts tab, see customers accounts manual to see how this is done.

Reset Table

To reset the table to display all vehicles in the system after conducting a search or after adding a new vehicle into the system, the reset button can be clicked.

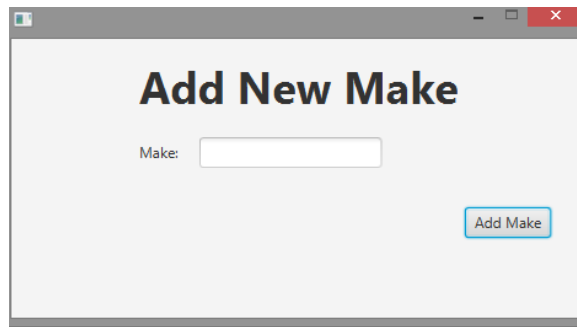The reset button refreshes the table and again will display all information of all vehicles in the system.

Add Make

To add a new make into the system you must first add new make.

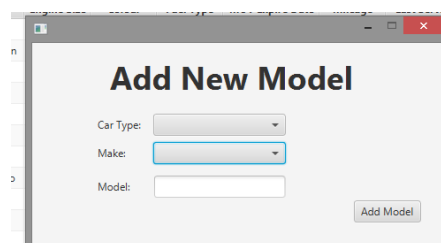The user can then add a new make by filling in the form provided.

If the make already exists the user will be unable to add it and an error message will appear on screen.

Add Model

To add a new model into the system you must first add new make.

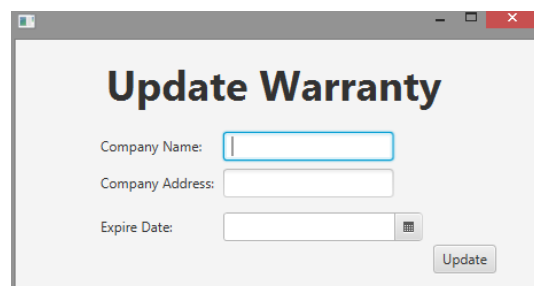The user can then add a new make by filling in the form provided.

If the model already exists the user will be unable to add it and an error message will appear on screen.

Update Warranty

To update a vehicles warranty the user can select a vehicle from the table.

Once a vehicle has been selected the user can click the update button.

To update the warranty details for the vehicle the form must be fully filled. Expire Date can also not be in the past, if so either of these will result in an error message.