

Diagnosis and Repair Booking Manual

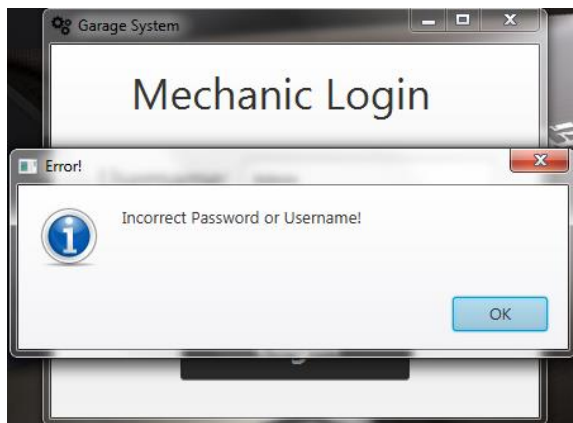
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Login Page

When the system starts, the login page will pop up and the mechanic have to type in their login details which is the username and password.

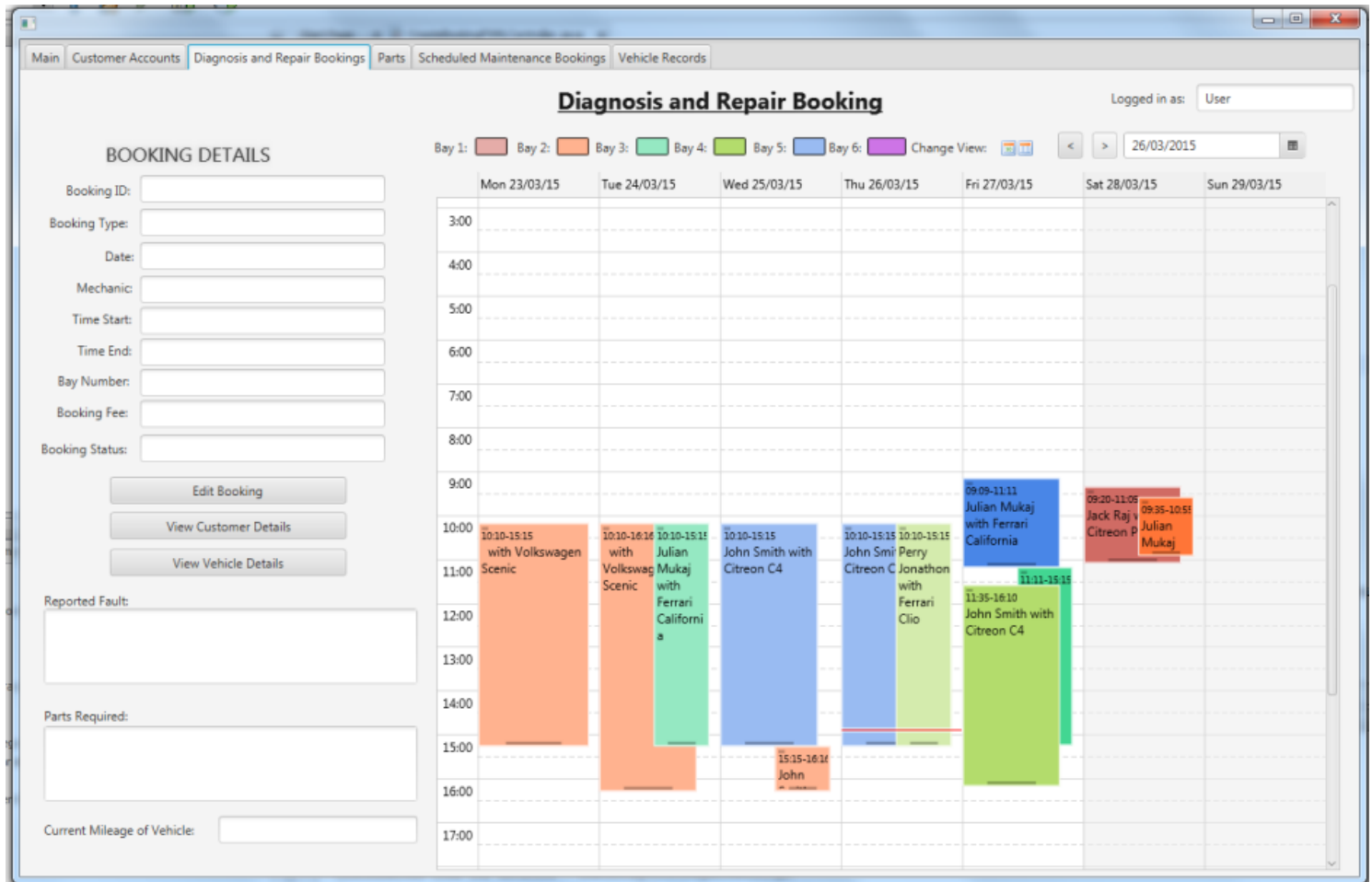


If the password or the username is invalid then dialog box would appear on the screen saying it's incorrect.



Once the mechanic has log on, then go to diagnosis and repair booking tab (shown on the screenshot below).

Main Page



This is the main page for the diagnosis and repair where all the bookings are displayed on the calendar as shown in the print screen below. Also, the main page shows all the details for the bookings under the booking details.

The main page has three main particular buttons: Edit Booking, View Customer Details, and View Vehicle Details. The mechanic view can view all the parts for the booking list under Parts required and also can see the mileage of vehicle.

Bay 1: Bay 2: Bay 3: Bay 4: Bay 5: Bay 6: Change View: < > 28/03/2015

There are legends which provide the information about bay allocation. There is a date picker to view all days in the month. The left and right arrow basically changes the dates by 1 day forward and backward. Also, there is a small icon which changes the view of the calendar, so by clicking on it, you can view it daily or weekly.

The user can select any from the date picker and the calendar/booking display will change to that date and date of the week depending on the view.

| | | | | | | | |
|-----------|-----|------------|-----|-----|-----|-----|-----|
| < | > | 28/03/2015 | | | | | |
| < March > | | < 2015 > | | | | | |
| | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 9 | 23 | 24 | 25 | 26 | 27 | 28 | 1 |
| 10 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 11 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 12 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 13 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 14 | 30 | 31 | 1 | 2 | 3 | 4 | 5 |

Main Customer Accounts **Diagnosis and Repair Bookings** Parts Scheduled Maintenance Bookings Vehicle Records

Logged in as: User

Diagnosis and Repair Booking

Bay 1: Bay 2: Bay 3: Bay 4: Bay 5: Bay 6: Change View: < > 26/03/2015

BOOKING DETAILS

Booking ID: 28
 Booking Type: Repair
 Date: Mon Mar 23 10:10:00 GMT 2015
 Mechanic: Keith Hevans
 Time Start: 10:10
 Time End: 15:15
 Bay Number: 2
 Booking Fee: £100.00
 Booking Status: Completed

Edit Booking
 View Customer Details
 View Vehicle Details

Reported Fault:
 UPDATED TEST

Parts Required:

Current Mileage of Vehicle: 44444444

| | Mon 23/03/15 | Tue 24/03/15 | Wed 25/03/15 | Thu 26/03/15 | Fri 27/03/15 | Sat 28/03/15 | Sun 29/03/15 |
|-------|---------------------------------------|---|---|---|---|-----------------------------------|--------------|
| 3:00 | | | | | | | |
| 4:00 | | | | | | | |
| 5:00 | | | | | | | |
| 6:00 | | | | | | | |
| 7:00 | | | | | | | |
| 8:00 | | | | | | | |
| 9:00 | | | | | | | |
| 10:00 | 10:10-15:15 with Volkswagen Scenic | 10:10-16:16 with Volkswagen Scenic | 10:10-15:15 John Smith with Citroen C4 | 10:10-15:15 John Smi Perry Citroen C | 09:09-11:11 Julian Mukaj with Ferrari California | 09:20-11:06 Jack Raj Citroen B | |
| 11:00 | | 10:10-15:15 Julian Mukaj with Ferrari California | | 10:10-15:15 Jonathon with Ferrari Clio | 11:11-15:15 John Smith with Citroen C4 | 09:35-10:55 Julian Mukaj | |
| 12:00 | | | | | | | |
| 13:00 | | | | | | | |
| 14:00 | | | | | | | |
| 15:00 | | | | 15:15-16:16 John | | | |
| 16:00 | | | | | | | |
| 17:00 | | | | | | | |

So on the screen above, you can click on the booking and see all its booking detail on the left hand side of the calendar. If you click on the view another booking, the fields will update and you can see all parts required, Reported Fault and Current mileage of vehicle.

CUSTOMER DETAILS

Type: Private
 Company Name:
 First Name: Jack
 Surname: Raj
 Address Line 1: 10 Nice Street
 Address Line 2: Hello Valley
 County: Bristol
 Postcode: NW 7HT
 Phone Number: 0712224434

Close

When the user selects a booking click on View Customer, it will display all the customer details for that particular booking.

VEHICLE DETAILS

Make: Citroen
 Model: Polo
 Reg: LL7609E
 Mileage: 1232344324
 Engine Size: 1.9
 Colour: Blue
 Fuel Type: Petrol
 Last Booking: Sat Feb 28 00:00:00 GMT
 Warrenty: Audi

Close

When the user selects a booking click on View vehicle, it will display all the vehicle details for that particular booking.

Creating a booking

To create a booking, you have drag the arrow from the start time and to the end time and that will automatically pop up a dialog box. The time and day your booking will determine if you can book the booking. If you book the booking on a normal working day between the working hours then the screen below pop up.

The dialog box on the left is creating booking window where the user will enter and select the required details for the booking and then click on 'creating booking' button to creating the booking. The date, start time and end time will be automatically filled because when the user drags to create a booking, it would automatically

Find

Search using business name

search for business Search

Search using customers surname

j Search

Search using postcode

search for postcode Search

Reset Search

To select the customer for the booking, the user will have to click on 'Select Customer' and the small window will pop up (which is shown on the screenshot on the left) where the user can search the customer by enter any one of the fields and pressing the 'search' and would provide the user with a table of all the customers or customer.

[illegible]

The screenshot on the left shows a table of customers which have a letter J in it. The user can double click the customer to select and window would close and you would to close the search window (previous window).

After selecting the customer, the user should select the vehicle for the customer. If the customer is selected, only then can the user select the vehicle so after selecting the customer, will directly display all the vehicles for the customer. The screen shot below shows the selection of a vehicle for a booking.

Vehicle Records

| Registration | Customer ID | Car Type | Model | Make | Engine Size | Colour | Fuel Type | MOT Expire Date | Mileage | Last Service Date | Warranty ID |
|--------------|-------------|----------|-------|---------|-------------|--------|-----------|-----------------|---------|-------------------|-------------|
| HY234YT | 6 | Car | Clio | Ferrari | 1.8 | Silver | Diesel | 2015-02-29 | 1231232 | 2015-02-29 | 1 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

[Get Vehicle](#)

For the selected customer, all their vehicles will be displayed with all the details of the vehicle in a table.

Vehicle Records

| Registration | Customer ID | Car Type | Model | Make | Engine Size | Colour | Fuel Type | MOT Expire Date | Mileage | Last Service Date | Warranty ID |
|--------------|-------------|----------|-------|---------|-------------|--------|-----------|-----------------|---------|-------------------|-------------|
| HY234YT | 6 | Car | Clio | Ferrari | 1.8 | Silver | Diesel | 2015-02-29 | 1231232 | 2015-02-29 | 1 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

[Get Vehicle](#)

Select the vehicle by double clicking on the row and whole row should be highlighted and afterward click on the 'Get Vehicle' which will select the vehicle. Then close the window by clicking on the close(X) button to return to the creating booking window.

Create Booking

Customer/Business Name: Vehicle ID:

Customer/Business ID: Vehicle Registration:

[Select Customer](#)

Booking Details

Booking Type:

Booking Start:

Mechanic:

Start Time:

End Time:

Bay Number:

Current Mileages:

Repair Details

Faults Detected:

Parts Required:

[Select Parts](#)

[Create Booking](#) [Close Booking](#)

So now, the user has selected the now customer and vehicle for the customer. Then the user would have filled the entire field:

- Mechanic (Required)
- Bay Number (Required)
- Current Mileage (Required)
- Faults Detected (Not Required)
- Parts Required (Not editable)

After the filling all the details, the form should looking like the screenshot on the left.

Selecting Parts

The screenshot shows a window titled 'Selecting Parts' with a table of parts and two buttons at the bottom.

| ID | Name | Description | Left in Stock | Price | Basket |
|------|----------------------|--------------------|---------------|-------|--------------------------|
| 3 | Paint base | Beige colour | 34 | 24.99 | <input type="checkbox"/> |
| 4 | Brakes | Beige colour | 35 | 24.99 | <input type="checkbox"/> |
| 6 | Light | ppijn | 36 | 9.0 | <input type="checkbox"/> |
| 9 | Clutch Cables | asd | 35 | 23.0 | <input type="checkbox"/> |
| 1000 | BMW handle hull | beige carbon | 1 | 9.99 | <input type="checkbox"/> |
| 1001 | Lock hammer | Insertable | 5 | 7.99 | <input type="checkbox"/> |
| 1002 | Hose panel | removable | 6 | 35.0 | <input type="checkbox"/> |
| 1003 | BMW Grillers | type 1-6 available | 10 | 25.55 | <input type="checkbox"/> |
| 1004 | Door Condensers | AC Type | 10 | 55.68 | <input type="checkbox"/> |
| 1005 | Opel/Vauxhal Bumbers | Zafira | 5 | 450.0 | <input type="checkbox"/> |
| 1006 | Radiator Support | Aluminium | 4 | 39.99 | <input type="checkbox"/> |
| | | | | | |
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Buttons at the bottom:

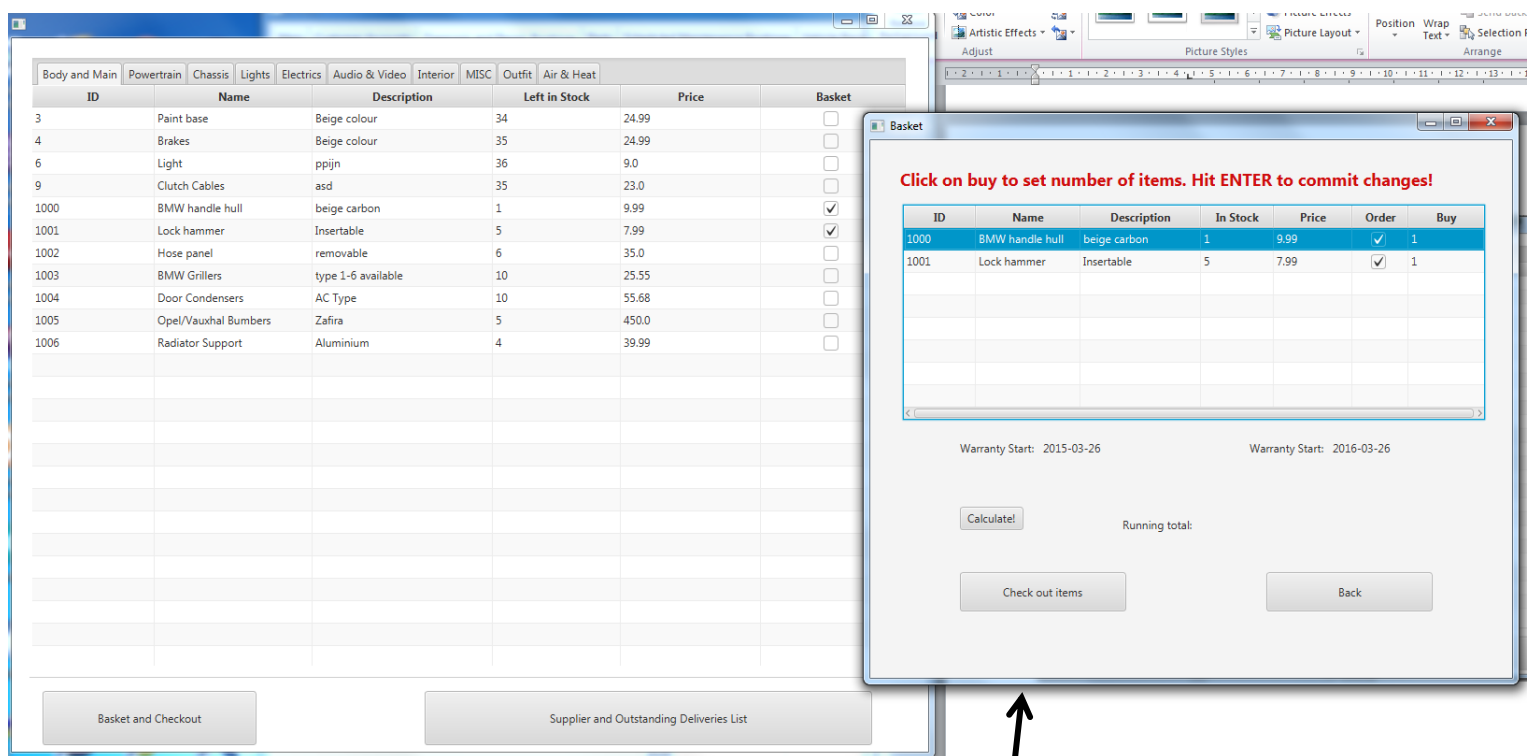
- Basket and Checkout
- Supplier and Outstanding Deliveries List

The screenshot shows a form titled 'Parts Required:' with a large empty text area and a 'Select Parts' button.

When the user clicks the select parts (screenshot on the left from creating booking) a window will pop up with all 10 part type categories which are showed on the screen above. This is a part which is integrated with Parts section to select the parts or order the part for the repair.

IMPORTANT NOTE!!

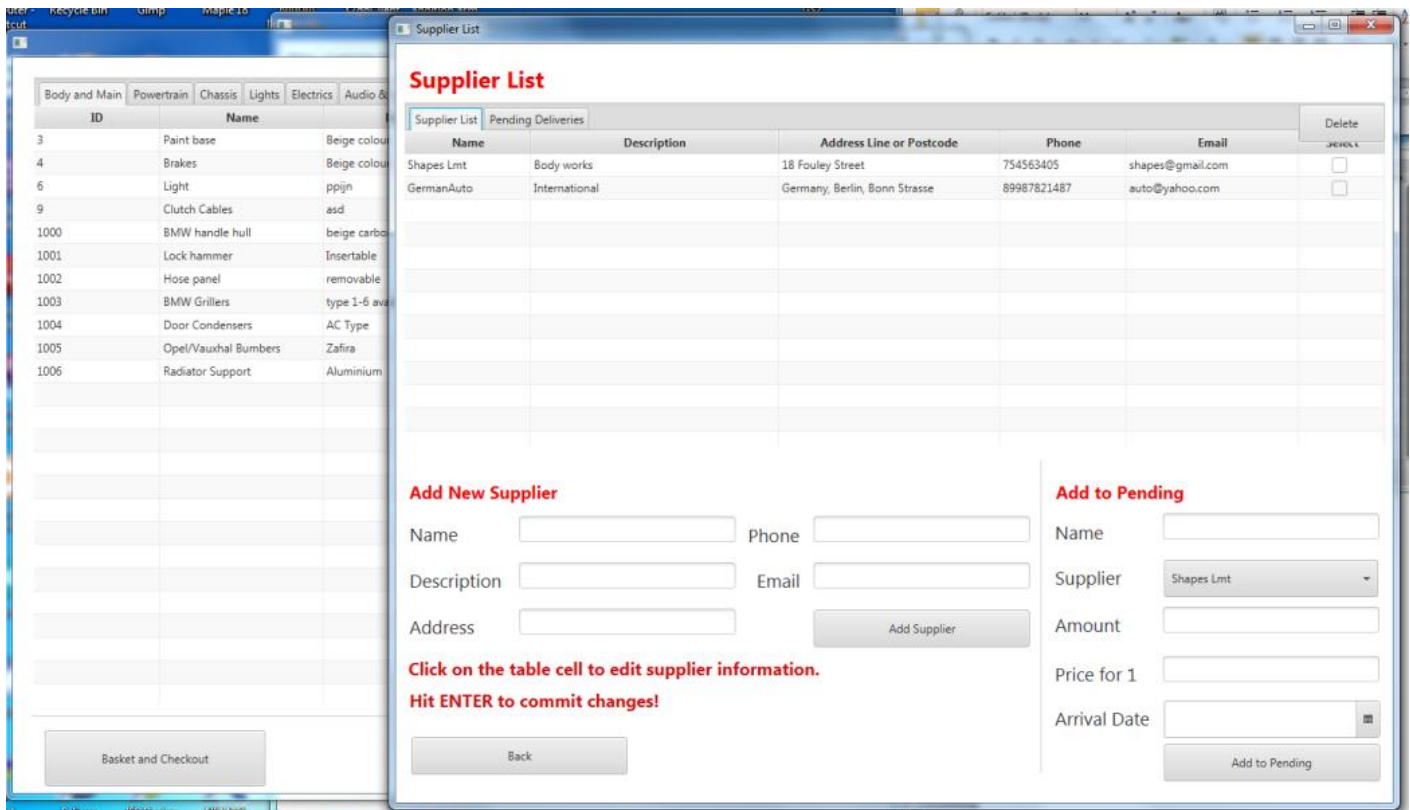
If the user selects the parts and then edit the parts they have selected, they have to select all the parts again that they are selected before and add new parts and this will affect the cost of the booking.



The user can select all the parts they need by clicking on check box and then clicking on the 'Basket and Checkout' to buy the parts for the booking.

When the parts are selected and are placed in the basket, the basket window will pop up with the selected parts and the user can select which parts you want to checkout and set the amount of parts for checkout. Click the Buy cell and enter the amount. The user can calculate the cost of the whole transaction by clicking on 'calculate'. DO NOT FORGET TO HIT ENTER to commit your changes and avoid errors. Click Check out Items buttons to withdraw or Back to cancel operation.

Click Suppliers and Outstanding Deliveries List button. The user will see the following window



- Here you can add, remove and edit suppliers, as well, as creating orders for the required parts.
- To edit a supplier, click on any cell in the table above and edit the information. **DO NOT FORGET TO HIT ENTER** to submit your changes!
- To remove supplier - tick the ones that you want to delete in Select column and click delete. User will see a message to confirm your action. After that, the supplier will be deleted.
- User can add the supplier using the appropriate interface provided, similar to one you used in parts.
- Similar mechanism of confirmation will be provided. Note that when you choose the supplier of the part, you can choose the suppliers from the drop box. It is dynamically updated, when you delete or add a new supplier.

Supplier List

Supplier List Pending Deliveries Delete

| ID | Name | Supplier | Amount | Price for 1 | Estimated Arrival Date |
|----|-------|------------|--------|-------------|------------------------|
| 1 | lkjb | kj | 9 | 9.0 | 2015-03-27 |
| 5 | asdg | asduyg | 23 | 44.0 | 2015-03-27 |
| 11 | jihq | Steel Join | 3 | 34.0 | 2015-03-27 |
| 14 | Brake | GermanAuto | 30 | 12.0 | 2015-04-02 |
| 15 | Wires | Shapes Lmt | 30 | 15.0 | 2015-04-09 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Add New Supplier

Name Phone

Description Email

Address Add Supplier

Click on the table cell to edit supplier information.
Hit ENTER to commit changes!

Back

Add to Pending

Name

Supplier

Amount

Price for 1

Arrival Date

Add to Pending

Here you will see the interface that allows you to view and track the outstanding deliveries. This interface has methods and ability to send data to PARTS module. For more information on how to add parts from stock to the booking, please refer to PARTS MANUAL.

Create Booking

Customer/Business Name: Vehicle ID:

Customer/Business ID: Vehicle Registration:

Select Customer

Booking Details

Booking Type:

Booking Start:

Mechanic:

Start Time:

End Time:

Bay Number:

Current Mileages:

Repair Details


Faults Detected:

Parts Required: Select Parts

Lock hammer, Quantity: 1
Hose panel, Quantity: 1

Create Booking Close Booking

Booking Fee

 Booking Cost for this Repair Booking is:
82.99000000000001

YES NO

When all the details are filled in, the user can click on the button 'Creating Booking' which will have a window popping up confirmation the cost of the booking the user is creating. If the user clicks 'YES' then it will create the booking and 'NO' stay on the creating booking for changes the user wants to make before creating the booking or they can also close booking.

BOOKING DETAILS

Booking ID: 46

Booking Type: Repair

Date: Thu Apr 02 13:45:00 BST 2015

Mechanic: Keith Hevans

Time Start: 13:45

Time End: 15:25

Bay Number: 2

Booking Fee: £82.99

Booking Status: Not Completed

Edit Booking

View Customer Details

View Vehicle Details

Reported Fault:

Parts Required:

Lock hammer, Quantity: 1

Hose panel, Quantity: 1

Current Mileage of Vehicle: 95000

Bay 1: Bay 2: Bay 3: Bay 4: Bay 5: Bay 6: Change View:

| | Mon 30/03/15 | Tue 31/03/15 | Wed 01/04/15 | Thu 02/04/15 | Fri 03/04/15 |
|-------|--|--|--|--|--|
| 3:00 | | | | | |
| 4:00 | | | | | |
| 5:00 | | | | | |
| 6:00 | | | | | |
| 7:00 | | | | | |
| 8:00 | | | | | |
| 9:00 | | | | | |
| 10:00 | | | | | |
| 11:00 | 10:35-15:30 Jack Raj with Citreon Polo | 10:55-14:50 Julian Mukaj with Ferrari California | 11:00-14:30 Perry Jonathon with Ferrari Clio | 10:50-13:10 Jack Raj with Citreon P | 11:15-14:50 Julian Mukaj with Ferrari Californi |
| 12:00 | | | | | |
| 13:00 | | | | | |
| 14:00 | | | | | |
| 15:00 | | | | 13:45-15:25 Perry Jonathon with Ferrari Clio | |
| 16:00 | | | | | |
| 17:00 | | | | | |

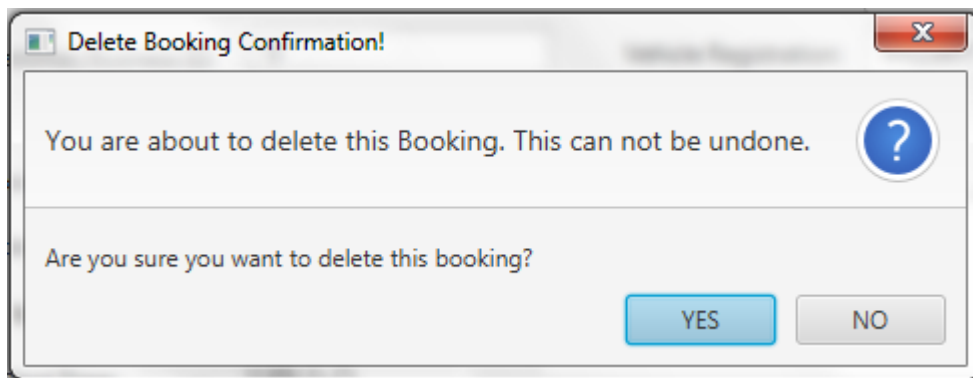
Once the booking is creating, it will directly show up on the main page of Diagnosis and Repair Booking with all the details for booking on the left hand side in the relevant fields.

Editing a Booking

So to editing booking, the user would have to select the booking for the calendar and then click on Edit Booking button on the left under the booking details.

The screenshot on the left shows the window for editing bookings. So the fields will be filled in since the user is not creating a new booking therefore the field will be filled from the previous edit or when first created the booking. The view Parts button has same functionality as when creating new booking (See Section Selecting Parts). So basically the user can edit any field and click on the button 'Save Changes' to edit and save the details. The user can delete booking by click 'Delete booking' and a confirmation dialog will pop up asking the user again if they are sure to delete a booking. The user can complete the booking and a confirmation dialog will pop up asking the user again if they are sure to complete a booking. But the booking can be only completed if it has past booking date. The user can close the window by click close booking.

Delete Booking Confirmation Dialog box



Complete Booking Confirmation Dialog box

