Vasilis Costa

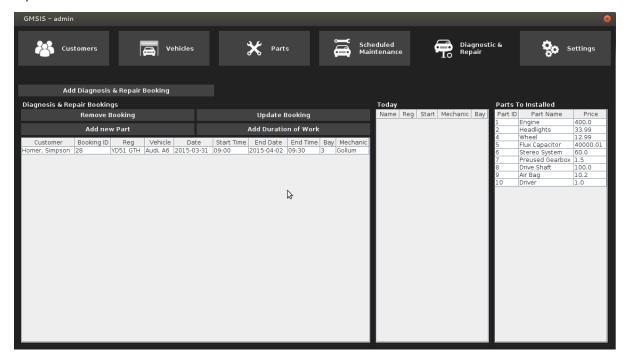# Diagnosis & Repair Manual

Contents

Diagnosis & Repair Main View

This is the repair and diagnosis section that can be accessed through the "Diagnosis & Repair" button on the top of the User Interface.

It consists of three tables, two of which show only Diagnosis and Repair booking information and the third shows part in stock information.
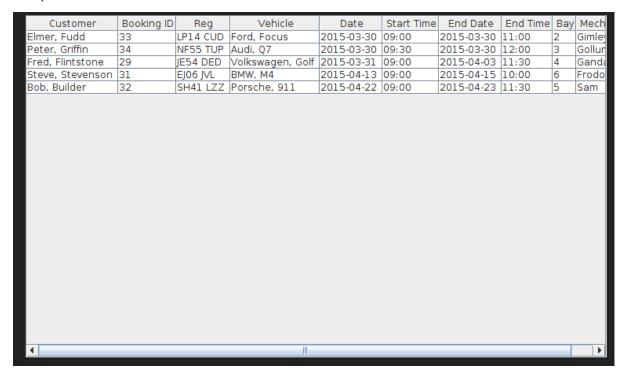
Buttons

There are several buttons that provide the user with different functionalities of the system, such as adding, removing and updating a new booking. There are also two other buttons that contribute to the cost of the repairs taken place. One is for recording an addition of a new part to the vehicle, and the other is for registering the hours spent on a vehicle repair by the mechanic.
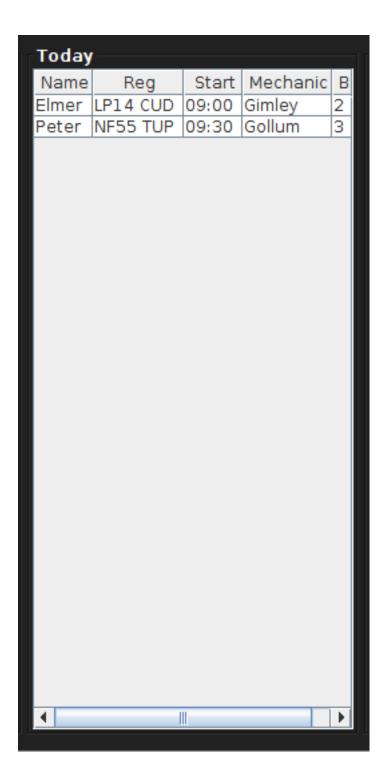
Main Table

The user can view all current and future appointments on the main table. It contains the following information: Customer name, Booking id, vehicle registration, vehicle model, date and time that the booking starts and ends, the bay that was assigned to and the mechanic that is assigned to the specific bay for that time period.

Customer	Booking ID	Reg	Vehicle	Date	Start Time	End Date	End Time	Bay	Mech
Elmer, Fudd	33	LP14 CUD	Ford, Focus	2015-03-30	09:00	2015-03-30	11:00	2	Gimley
Peter, Griffin	34	NF55 TUP	Audi, Q7	2015-03-30	09:30	2015-03-30	12:00	3	Gollur
Fred, Flintstone	29	JE54 DED	Volkswagen, Golf	2015-03-31	09:00	2015-04-03	11:30	4	Ganda
Steve, Stevenson	31	EJ06 JVL	BMW, M4	2015-04-13	09:00	2015-04-15	10:00	6	Frodo
Bob, Builder	32	SH41 LZZ	Porsche, 911	2015-04-22	09:00	2015-04-23	11:30	5	Sam

Today Table

The today table shows only bookings that start the current day. It contains the name of the customer, the registration of the car, the start time of the booking, the bay and mechanic assigned.
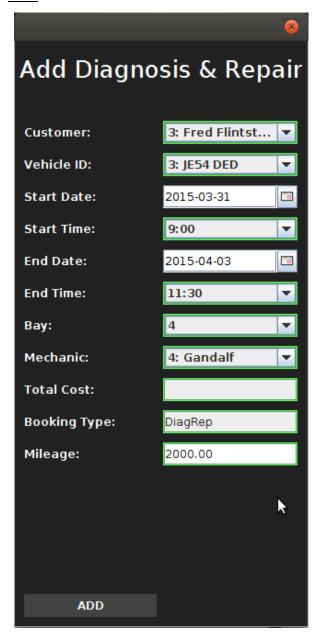
Name	Reg	Start	Mechanic	B
Elmer	LP14 CUD	09:00	Gimley	2
Peter	NF55 TUP	09:30	Gollum	3

Parts to Install Table

This table lists only the parts that are currently in stock. It provides the user with the ID, name and price of each part.

Parts To Installed

Part ID	Part Name	Price
1	Engine	400.0
2	Headlights	33.99
4	Wheel	12.99
5	Flux Capacitor	40000.01
6	Stereo System	60.0
7	Preused Gearbox	1.5
8	Drive Shaft	100.0
9	Air Bag	10.2
10	Driver	1.0

Add Diagnosis & Repair Booking

This button opens a new window that contains a form which lists all the necessary information to create a booking. These include, customer, vehicle, start date and time, end date and time, bay, mechanic and mileage. To proceed and add a booking, all these information must be filled in correctly with the specified order and the add button will be enabled.
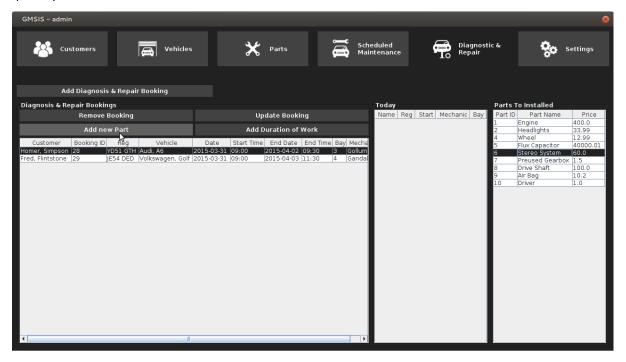
Update Booking

This button opens the same window that the "Add Diagnosis & Repair Booking" button opens, but with a few differences. The customer and vehicle cannot be changed and the total costs can be viewed here as when the new booking was entered there was nothing to charge for.
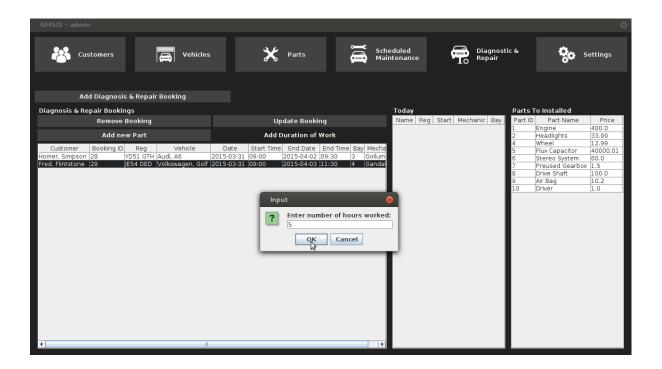
Add new Part

This button can be used when the user selects a booking from the main table and a part form the "Parts to Install" table. As a result an expense, equal to the selected part's price, is added to the total cost and the quantity of the stock available is decremented.
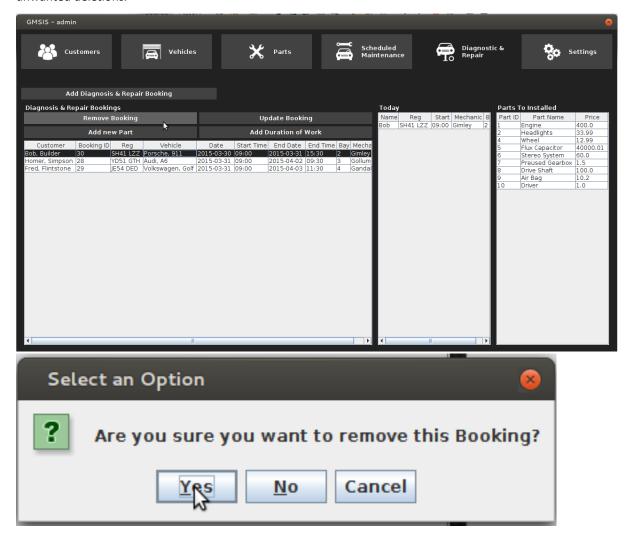
Add Duration of Work

This button opens a dialog to enter the number of hours the assigned mechanic spent repairing the vehicle. As a result the added time is multiplied by the hourly rate of the specific mechanic and added to the total cost.
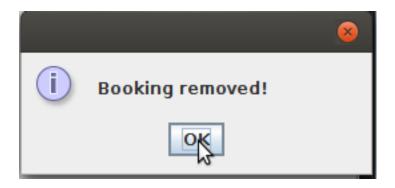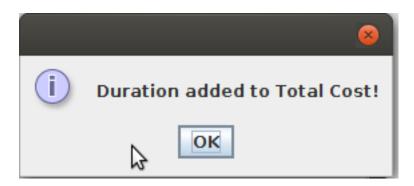
Remove Booking

This button removes a selected booking from the main table. A confirmation dialog will occur to minimize unwanted deletions.
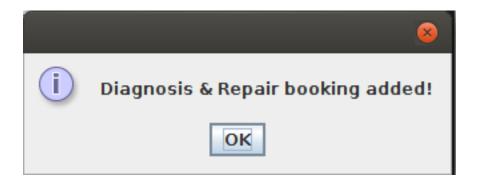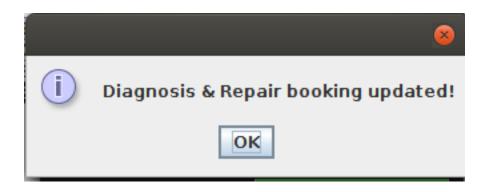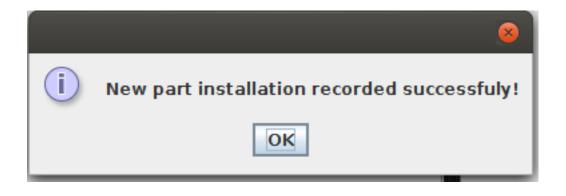
Messages

On all functionalities of the Diagnosis and Repair section a message will be prompt when something is changed. For example when a booking is added, updated or removed. Also when you add a part or register working hours of a mechanic.

New part installation recorded successfuly!

OK

Error Messages

The error messages will provide some information of what went wrong in the users attempt to do something with the system.