Parts Test Plan – Muhammad Shakib Hoque (EC15157)
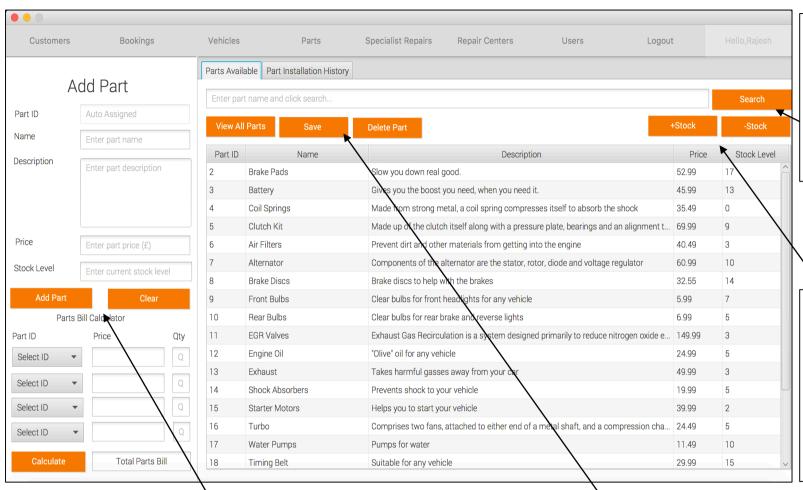
Test Case	Description	Input/Process	Expected Result	Actual Result	Pass /Fail
1	View list of parts used on selected vehicle under an existing "diagnosis and repair" booking.	The user would need to go on the Part Installation tab and select an installation from table.	When the installation is selected a column with the part details i.e. the ID and occurrence used should display	The part abstraction ID and occurrence ID is shown, there should've been a column showing the part name.	P
2	Select a part used and list details.	The user would need to go on the Part Installation tab to view details	When the user goes on the tab, the part used and installation should appear in the table.	The table shows the part used and also lists details such as installation date, warranty end date and registration number.	P
3	Search for a part to add to a vehicle by name.	Part name entered in search bar: battery	The parts table should display 'battery' for the user and show details.	The system successfully allows user to search by part name and displays it in table.	P
4	Add a part to a repair of the selected vehicle. Show that stock level reduced.	Fill all details, select an abstraction on the installation page and select a free occurrence and press 'add'	The part should get added to the installation table, and the stock level should minus by one in the parts table.	The stock gets reduced for the selected part and is updated in the parts table. Must press "View Bookings" button to display.	P
5	View current stock list.	When clicking on the 'parts' tab the table should list all current stock	The table should display data in the table and show the part name, description, price and stock level.	The stock list is shown in the parts available table and shows all of the correct information in the columns.	P
6	Add new stock item. Show stock of part increased.	Select an item from the stock table, make sure its highlighted and then press the '+Stock' button.	When the part is selected and the button is pressed, an info popup should be displayed notifying user of the action and the stock should increase by 1.	The '+Stock' button is working and the stock does increase. Also, 'under the hood' the code also creates an occurrence for when the stock is increased.	P

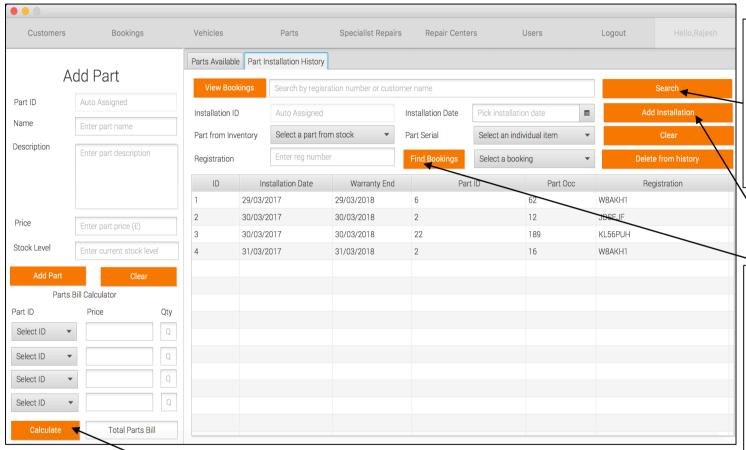|					
7	Edit the record for a stock item.	The user needs to double click on either the name, description or price to make the cell editable and input changes and press enter, then click on 'save' button.	When enter is pressed, the changes should commit and when the 'save' button is clicked, the changes should save to the database.	The table successfully allows a stock item to be edited and saves it to the database. The part price was edited and to confirm the changes I logged out and logged back in.	P
8	Delete a stock item.	The user needs to select a stock item from the table and press the 'delete' button.	When selecting a stock item, it should get highlighted in the table and when the button is pressed, a confirmation should be displayed and item should get removed from stock list.	The stock item successfully deleted and a warning message was shown, also the stock item was completely removed from the stock list.	P
9	Create a new part in the stock list and add items.	Enter details in fields on left hand side of screen: Part Name: ECU System Description: For any vehicle Price: 450.99 Stock Level: 5	When completing all the fields and pressing the 'Add Part' button, the details of the new part should display in the stock list table with the information in relevant columns.	The system successfully adds new parts using the graphical user interface and the information is shown in the appropriate columns.	P
10	Logout, close application and log back in. Show created record is persistently stored.	Press 'Logout' button which takes user to login screen and then press 'Exit' to close application. Restart application and log back in.	When logging back in, the added part should be displayed in the table at the bottom with the correct information.	The added part is shown in the table witch shows the created record is persistently stored.	P
11	Search installation by full/partial registration and customer first name	Enter a customer name/registration number in the installation search field	The table should show the customer installation if there is an existing installation.	When typing in the customer first and pressing 'search' the details of their installations are shown in the table.	P
12	Select parts in calculator to display total cost of parts	Select parts from drop down, price is displayed, enter quantity, press 'CALCULATE' button	When the calculate button is pressed, the total of the parts should display in the total text field	The total is displayed and the calculation is correct	P

Customers   Bookings   Vehicles   Parts   Specialist Repairs   Repair Centers   Users   Logout   Hello,Rajesh

Add Part

Part ID — Auto Assigned

Name — Enter part name

Description — Enter part description

Price — Enter part price (£)

Stock Level — Enter current stock level

Add Part   Clear

Parts Bill Calculator

Part ID	Price	Qty
Select ID		Q
Select ID		Q
Select ID		Q
Select ID		Q

Calculate   Total Parts Bill

Parts Available   Part Installation History

Enter part name and click search...   Search

View All Parts   Save   Delete Part   +Stock   -Stock

Part ID	Name	Description	Price	Stock Level
2	Brake Pads	Slow you down real good.	52.99	17
3	Battery	Gives you the boost you need, when you need it.	45.99	13
4	Coil Springs	Made from strong metal, a coil spring compresses itself to absorb the shock	35.49	0
5	Clutch Kit	Made up of the clutch itself along with a pressure plate, bearings and an alignment t...	69.99	9
6	Air Filters	Prevent dirt and other materials from getting into the engine	40.49	3
7	Alternator	Components of the alternator are the stator, rotor, diode and voltage regulator	60.99	10
8	Brake Discs	Brake discs to help with the brakes	32.55	14
9	Front Bulbs	Clear bulbs for front headlights for any vehicle	5.99	7
10	Rear Bulbs	Clear bulbs for rear brake and reverse lights	6.99	5
11	EGR Valves	Exhaust Gas Recirculation is a system designed primarily to reduce nitrogen oxide e...	149.99	3
12	Engine Oil	"Olive" oil for any vehicle	24.99	5
13	Exhaust	Takes harmful gasses away from your car	49.99	3
14	Shock Absorbers	Prevents shock to your vehicle	19.99	5
15	Starter Motors	Helps you to start your vehicle	39.99	2
16	Turbo	Comprises two fans, attached to either end of a metal shaft, and a compression cha...	24.49	5
17	Water Pumps	Pumps for water	11.49	10
18	Timing Belt	Suitable for any vehicle	29.99	15

Customers | Bookings | Vehicles | Parts | Specialist Repairs | Repair Centers | Users | Logout | Hello,Rajesh

Add Part

Part ID — Auto Assigned

Name — Enter part name

Description — Enter part description

Price — Enter part price (£)

Stock Level — Enter current stock level

Add Part | Clear

Parts Bill Calculator

Part ID	Price	Qty
Select ID		Q
Select ID		Q
Select ID		Q
Select ID		Q

Calculate | Total Parts Bill

Parts Available | Part Installation History

View Bookings | Search by regisration number or customer name | Search

Installation ID — Auto Assigned | Installation Date — Pick installation date | Add Installation

Part from Inventory — Select a part from stock | Part Serial — Select an individual item | Clear

Registration — Enter reg number | Find Bookings | Select a booking | Delete from history

ID	Installation Date	Warranty End	Part ID	Part Occ	Registration
1	29/03/2017	29/03/2018	6	62	W8AKH1
2	30/03/2017	30/03/2018	2	12	JDSEJF
3	30/03/2017	30/03/2018	22	189	KL56PUH
4	31/03/2017	31/03/2018	2	16	W8AKH1

User is able to search installations by registration number, customer first name or surname by entering details in the search field and then pressing 'SEARCH' button

To add an installation, the user needs to fill out the fields and enter valid registration number then click "FIND BOOKINGS" and select the booking, then press "ADD INSTALLATION" button.

User can also delete by selecting from table, highlight an installation and pressing "DELETE FROM HISTORY" button.

User can select parts from the combo-boxes which will display a unit's price and enter quantity, then press 'CALCULATE" to see total parts cost which can be used to add to a bill for bookings