

Test Plan and Results

Authentication

Note: Login and open Users Page for test cases apart from login test cases.

1. **Logon as existing system administrator:** The first step is to type the login details on

UserID	Password	First Name	Surname	Access Privileges:
00000	password	Rajesh	Smith	ADMINISTRATOR

the left into the login screen as you also see on the left. Then you press login it will come up with the menu and to show Rajesh has logged in, it will be displayed in the top right as you can see below. - **Passed**

Garage Management System

Username

Password

gout

Hello,Rajesh

2. **List of existing users:** The steps to view a list of active users

are achieved by logging into the system and clicking the Users tab at the top, this can only be performed by an administrator, if you log in as a normal user, the

Users

disabled. As screen shot shows the administrator right when a its greyed out. – **Passed**

UserID	Password	First Name	Surname	Access Privileges:
00000	password	Rajesh	Smith	ADMINISTRATOR
10000	software17	Walter	White	NORMAL
00001	hello1	Rick	Grimes	ADMINISTRATOR
10001	qwerty	Michael	Scofield	NORMAL

user tab will be you can see in the above, the left menu when an logs in and on the normal user logs in

Users

Search First Name Search Surname Search UserID

UserID	Password	First Name	Surname	Access Privileges:
00000	password	Rajesh	Smith	ADMINISTRATOR
10000	software17	Walter	White	NORMAL

Edit User

UserID

password

First name:

Surname:

as a day-to-day user cannot make changes to passwords. Click the Users tab as you can see in the screen above on the left. Then chose a User in the table and click edit as you can see on the screen shot on the right, the information will now be displayed on the left pane. In the password change the password

from software17 to software 18. To save the change press the button at the bottom right of the screen and confirm the

T)	10000	software18	Walter	White	NORMAL
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3. Change password of existing day-to-day user: First login as an ADMINISTRATOR

change by pressing okay on the conformation pop up. Then the table will now display the edited User as you can see on the left. - **Passed**

4. **Create a new day-to-day user:** In order to create a new user, you must login as a administrator. After clicking on the users tab which can been seen on the test case 2, then you will be presented with this on the left of the screen. To make sure you create a day-to-day user we have called them normal users so make sure normal is selected on the type combo box and enter

Add User

UserID

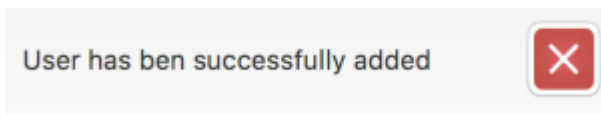
password

First name:

Surname:

Type:

the rest of the details as you wish. Then press **Add** and a pop up box will confirm we can be confirmed by press ok then another popup will display if the addition was successful. - **Passed**



window.

5. **Logout existing administrator:**

You need to press the logout Button in the top right and a popup with display a confirmation box to logout which can be confirmed by pressing okay and will return to the login page. Cancel will close the conformation dialog

—

Passed

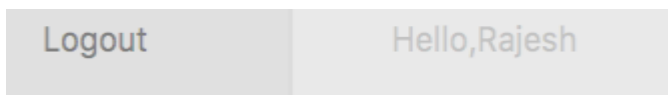
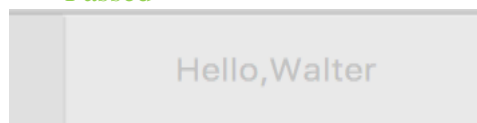
6. **Login as the new day-to-day user:** using the details in the screenshot in test case, I will enter these into the login window and I have been presented with the User login name in the top right of the window as I have cropped this into a screenshot below.

- **Passed**

Garage Management System

Username

Password



7. **Logout as a new day-to-day user:** I logged in as the user in the test case above and will now logout out of user 10000 using the logout button in the top right and confirm logout by pressing okay, after

logging out you have presented back with the login screen. — **Passed**



8. Attempt login as new day-to-day user with incorrect authentication, as you can see on the screenshot on the left I have typed incorrect username “100001” instead of “10000”, giving me an error message. - **Passed**

9. Test case 1 covers this test case.


10. **Delete newly created day-to-day user:** There are 2 ways of deleting users. The first

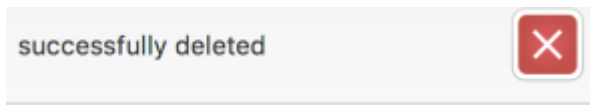
Search First Name	Search Surname	Search UserID	View All	Delete	Edit
UserID	Password	First Name	Surname	Access Privileges:	
00000	password	Rajesh	Smith	ADMINISTRATOR	
10000	software17	Walter	White	NORMAL	

step in both cases is to click on a user in the table. To

complete the first way the next step is then to click delete button above the table or the next



step in the second way is to press edit. Now pressing , either the delete button above the table or on the left panel at the bottom of edit user will display and delete conformation box and after you confirm and popup will display if the user has been deleted. Also the table will be refreshed as the user will be removed. – **Passed**



11. **Login as existing day—to-day user:** I will be logging into the system with the login

10001	qwerty	Michael	Scofield	NORMAL
Logout		Hello, Michael		

details below, after I have entered the details and logged in, I have been greeted with Hello, Michael showing I have logged in as Michael. – **Passed**

Vehicle Records

Note: Please Login and open the Vehicle tab.

Search Bar	enter vehicle reg	enter manufacturer	Truck					
Reg	CID	VT	Mod	Manu	MOT	DLS	W?	Nam
SS5 E6S	4	Truck	Truc...	Ford	28/03/2018	20/0...	false	
DF09G...	9	Truck	Roa...	Nissan	14/03/2019	07/0...	true	Insurance M...
QM32F...	3	Truck	Truc...	Ford	10/05/2017	18/0...	true	InSureAnce...

me Trucks. – **Passed**

1. **Search for vehicles by type (car, truck, van):** To do this simply chose a type in the combo box above the vehicle table and it will refresh only showing the selected type, for my example I have chosen Trucks, I have selected Truck from the combo box and so the table only shows

2. **Select vehicle and show parts used, past and future booking dates, and the total cost per booking (warranty and non-warranty):**

Reg	CID	VT	Mod▼	Manu
W522 SS	5	Car	Enzo	Ferrari
W8AKH1	2	Car	Enzo	Ferrari

to perform this action, simply select a vehicle in the table as I have selected Vehicle Registration “W522 SS”, and below in the bookings table it shows the bookings for this vehicle. It displays the Booking dates/time and total cost. Simply clicking on any vehicle will refresh the booking table with the bookings for that vehicle. On the right of the vehicle page a part list will be displayed. – Passed

Parts List
Vehicle Reg: W522 SS
Radiator Fan

3. **Search for**


Bookings Table
Diag Start
01/04/2017 09:00


vehicles by manufacturer: I can search by simply entering my query into the search bar manufacturer text field, for this example I am using “BMW”. It works as onkeypressed so the table will refresh after each key press. – Passed

Search Bar		enter vehicle reg		BMW	
Reg	CID	VT	Mod▼	Manu	MOT
TW3 EHD	1	Car	3 Se..	BMW	09/03/2018
MU3 RSD	3	Car	3 Se..	BMW	06/03/2018
EL9 W87	1	Car	3 Se..	BMW	21/09/2017

Vehicle Reg	W8AKH1
CustomerID	2
Vehicle Type	Car
Manufacturer	Ferrari
Model	Enzo
Engine Size (L)	4.4
Fuel Type	Petrol
Colour	#e64d4d
Mileage	25
MOT renewal Date	31/03/2018
Date Last Serviced	14/03/2017
Warranty?	False

4. **Select vehicle and show details:** to view all vehicle details simply select

a vehicle as preformed in test case 2 and click . This will display all the vehicle details in the panel of the left. As the table only displays some details as there were too many to fit on a single table, this enables you to see all the vehicle details and edit them if needed. These are the same steps for editing details so this

test case will also cover test case 5. Press  below the form on the left to complete a vehicle edit and press ok to confirm. This test also covers test case 6 to edit vehicle warranty as you can see at the bottom of the screenshot on the left. - Passed

5. **Delete a vehicle record:** There are two ways to delete a video record, after selecting a

JDSEJF	1	Truck	Roa...	Nissan	29/03/2017	09/0...	false
SM9D9	1	Car	3 Se...	BMW	30/03/2017	22/0...	false
<							
CV059DI	2	Car	Enzo	Ferrari	30/03/2017	15/0...	tru
JDSEJF	1	Truck	Roa...	Nissan	29/03/2017	09/0...	fai
<							

vehicle, the first way is click the **Delete** above the table and confirm by pressing ok. The second way is to edit a vehicle as described in the test case above but instead of clicking edit at the panel on the bottom at the left, click delete

Delete

. The vehicle will be removed from the table. In the screenshot on the left, I deleted vehicle registration SM9D9 as you can see in the table it has been removed. - **Passed**

6. **Create a new vehicle** the left panel and click add have included a screen shot button a pop up will come garage by pressing ok. Any format will bring up errors.

Add Vehicle	Pick A Vehicle
Vehicle Reg	Enter Vehicle Reg
CustomerID	Chose Customer
Vehicle Type	pick Vehicle
Manufacturer	Enter Manufacturer
Model	Enter model
Engine Size (L)	Enter Engine Size
Fuel Type	pick Fuel
Colour	
Mileage	Enter Mileage
MOT renewal Date	Select MOT date
Date Last Serviced	Select service Date
Warranty?	Pick True/False
Name	Enter Name
Company Address	Enter Address
Expiration Date	Select Expiry Date
Add	Cancel

record: Enter Vehicle details on after all the fields are not null. I on the left. On clicking the add up and confirm the addition to the empty fields or fields in the wrong – **Passed**

7. **Logout, close application and log back in:** Show created record is persistently stored: Any new Vehicles will be saved in the database so will be saved when closed and reopening the system. This can be tested by using other test cases to add new vehicles then closing the window then reopening log out then exit After rerunning the .jar file, the records previous

Exit

Logout

Hello, Rajesh

8. **Check the warranty details are entered if a vehicle has warranty:** When you enter warranty details all the details below (warranty name, address and date) must be complete in order to add a vehicle or you will get an error message. This error message will come up if any of the fields are left blank. **Name** **Enter Name** Any fields in the wrong format or empty that need to be filled in will come up pink as you can see above. This stop adding null fields into database. – **Passed**

Customer Details
Address : 321 Doe Street
Postcode : EB1 6BE
Type : Private

9. **Display customer details:** Simply click on a vehicle and the customer details will be shown below the vehicle table. On the left shows a screenshot for a vehicle customer details. – **Passed**

Search Bar SS5

Reg	CID	VT
SS5 E6S	4	Truck

10. **Search by Vehicle Registration:** Enter a vehicle registration and it works it onkeypressed, so it will auto refresh the table with vehicles matching the search result. I have included a screen shot below showing that it works. – **Passed**

11. **Display next booking date for a vehicle:** To do this simply click on a vehicle in the table and just below the vehicle table, the next booking date will be shown IF the vehicle has a next booking date otherwise it will display N/A. – **Passed**

Next Booking Date	Diagnosis Repair:	31/03/2017 10:30
	Repair Start:	31/03/2017 04:30

12. **Check Mileage doesn't contain any letters and just numbers:** If you enter letters or any other characters into the Mileage it will give errors and not allow adding to database.

Mileage ssss As for test case 8 the field will turn pink and display an error message at the bottom with the text "Check mileage inputs are above or equalTo to 0". – **Passed**

Sure you want to delete this Vehicle?

Cancel OK

13. **Have a delete confirmation:** When deleting a vehicle, a popup will be displayed asking the user to confirm and it can be confirmed by pressing OK button to delete or cancel button to cancel the delete. – **Passed**

14. **20 Vehicle templates:** You can select a vehicle template when adding a vehicle, this will fill in the vehicle type, fuel type, engine size, model and manufacturer fields. The list has many choices from cars, vans, trucks and lower end cars to higher end cars. – **Passed**

Pick A Vehicle ▼

15. **Can't add a vehicle that's already been added:** When you are trying to add a Vehicle that registration already exists, an error message comes up displaying that it cannot be added. As two vehicles can't have the same registration plate. – **Passed**

Cant add this vehicle as Registrations exists

March 2017

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

16. **Cannot select Date last service in the future:** Cannot select dates in the future as date last service has to be in the past. The future dates cannot be select and are in a red background to show they cannot be selected.

17. **Cannot select Expiration date in the past:** I have used a date picker which doesn't allow dates to be chosen in the past and the days are in the red. This stops users from selecting past dates so you can't select dates in the past. As because if a warranty expiration date has passed, this means that the vehicle has no warranty. - **Passed**

March 2017

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