

1 Test Plan + Results

1.1 Authentication

TEST CASE 1 – LOG IN AS ADMIN

To log in as an administrator, the user must enter the correct username + password (Login ID = ' 10000 ' , Password = ' password '). The system then logs in and shows the main dashboard WITH the ' Users ' button available for selection. --> **TEST PASSED**

TEST CASE 2 – VIEW A LIST OF EXISTING USERS

To view a list of existing users, you must be logged in as an admin. You must click on the ' Users ' button and there you see the list. --> **TEST PASSED**

TEST CASE 3 – CHANGE PASSWORD OF DAY TO DAY USER

To change any passwords, you must be logged in as an administrator. You must click on the ' Users ' button and select the user you want to edit and type in the new password and repeat it again then press the ' Save ' button. --> **TEST PASSED**

TEST CASE 4 – CREATE A NEW DAY-TO-DAY USER

To create any new users, you must be logged in as an administrator. You must click on the ' Users ' button + press the ' Add ' button (userID to be assigned if successfully added is shown) and fill in first and last names(' bob ' + ' ho '), the password (' bob123 ') and don't tick any check boxes as a day-to-day user isn't an admin or a mechanic. Once added, you will see the new user into the table --> **TEST PASSED**

TEST CASE 5 – LOGOUT AS ADMIN

To logout as admin, you must first be logged in as admin. Press the ' Logout ' button. Window should close and return to the login screen. --> **TEST PASSED**

TEST CASE 6 – LOG IN AS THE NEW DAY-TO-DAY USER

To log in as the new day-to-day user recently created, type in the user ID (' 10005 ') and the password (' bob123 ') + press the return key or click on ' Log In '. When logged in, the ' Users ' button should be disabled, unavailable for selection. --> **TEST PASSED**

TEST CASE 7 – LOGOUT AS DAY-TO-DAY

To logout as a day-to-day user, you must be logged in as a day-to-day user. Press the ' Logout ' button. Window should close and return to the login screen. --> **TEST PASSED**

TEST CASE 8 – LOGIN ATTEMPT AS DAY-TO-DAY WITH INCORRECT CREDENTIALS

To attempt to incorrectly log in with the new day-to-day user, type in ' 10005 ' in the Login ID text field and ' bob321 '. You should get an red error label saying ' Login or Password are incorrect – please try again ' + it clears the password box and sets the cursor there for you to try again. --> **TEST PASSED**

TEST CASE 9 - LOG IN AS ADMIN

To log in as an administrator, the user must enter the correct username + password (Login ID = ' 10000 ' , Password = ' password '). The system then logs in and shows the main dashboard WITH the ' Users ' button available for selection. --> **TEST PASSED**

TEST CASE 10 – DELETE NEWLY CREATED DAY-TO-DAY USER

To delete any users, you must be logged in as an administrator. You must click on the ' Users ' button and select the user you want to delete + confirm it. Once deleted, a pop-up message appears confirming the userID just deleted (' 10005 ') + when you progress, the record disappears from the table. --> **TEST PASSED**

TEST CASE 11 – LOGIN AS DAY-TO-DAY USER

To log in as a day-to-day user recently created, type in the user ID (' 10002 ') and the password (' SamEllie ') + press the return key or click on ' Log In '. When logged in, the ' Users ' button should be disabled, unavailable for selection. --> **TEST PASSED**

1.2 Diagnosis + Repair Booking

A precondition for ALL test cases is that you must have clicked on the 'Bookings' button first.

TEST CASE 1 – VIEW DIAGNOSIS + REPAIR BOOKINGS

It will view all existing bookings in the system. --> **TEST PASSED**

TEST CASE 2 – SEARCH BY PARTIAL VEHICLE REGISTRATION

To search for a booking by a partial vehicle registration number, the user must choose the ' Option ' dropdown and select ' Booking ' from the 4 options. Then, the user selects the ' Criteria ' dropdown and select ' Registration ' from the 4 options. The user must then type in their search key (' OGE ') + press the ' Search ' button. It will then show the search results (2 results) in the table on the left. --> **TEST PASSED**

TEST CASE 3 – SEARCH BY VEHICLE TEMPLATE

To search for a booking by a vehicle template, the user must choose the ' Option ' dropdown and select ' Booking ' from the 4 options. Then, the user selects the ' Criteria ' dropdown and select ' Template ' from the 4 options. Next, a ' Vehicle Template ' dropdown appears from which the user can select to search the system with a given vehicle template. It will then show the search results in the table on the left. --> **TEST PASSED**

TEST CASE 4 – SEARCH BY SURNAME

To search for a booking with a customer's surname, the user must choose the ' Option ' dropdown and select ' Booking ' from the 4 options. Then, the user selects the ' Criteria ' dropdown and select ' Name ' from the 4 options. The user must then type in their search key + press the ' Search ' button. It will then show the search results in the table on the left. --> **TEST PASSED**

TEST CASE 5 – VIEW A DIAGNOSIS + REPAIRS BOOKING DETAILS

To select a 'Diagnosis + Repair Booking', the user can select the wanted booking. Once a booking has been selected, the details of the booking concerned will fill into the components on the right of the table (Figure 1). --> **TEST PASSED**

Please select a booking for more details :

Date	Start Time	End Time	Customer	Registration Number	Mechanic
2017-03-31	09:00	10:00	Hakowitz Tan	KG02 VPM	Ian Darlington - 1000
2017-04-07	14:00	16:00	Atiya Fazalbhahi	ED12 EAF	Buk Lau - 10004
2017-04-01	11:30	12:00	Ahmed Ali	DG03 VNV	Buk Lau - 10004
2017-03-29	15:00	15:45	Harupa Miah	WU56 OGE	Philip Sifolongwane -
2017-03-29	11:00	11:45	Harupa Miah	WU56 OGE	Ian Darlington - 1000
2017-03-25	09:15	10:30	Nikki Mann	LM16 UDS	Philip Sifolongwane -
2017-04-19	13:00	15:15	Anna Wales	AA04 STU	Buk Lau - 10004
2017-04-19	09:00	12:00	Anna Wales	BJ10 FPF	Ian Darlington - 1000
2017-03-28	15:30	16:15	Liam Henniker	AX16 CGG	Philip Sifolongwane -
2017-04-22	11:15	12:00	Charlie Wilkinson	YE65 CDZ	Buk Lau - 10004
2017-04-18	13:45	14:45	Ahmed Ali	NX53 HSO	Ian Darlington - 1000
2017-04-13	11:00	13:15	Anna Wales	YY54 OWF	Philip Sifolongwane -
2017-04-10	16:30	17:00	Nikki Mann	LM60 LWP	Buk Lau - 10004
2017-04-23	13:00	14:15	Hakowitz Tan	GU63 BZL	Philip Sifolongwane -
2017-03-27	14:30	15:15	Andrew Hyslop	T261 WQD	Ian Darlington - 1000

Figure 1

Customer :

Vehicle Registration :

Date :

Mechanic :

Start Time : :

End Time : :

TEST CASE 6 – VIEW LIST OF FUTURE DIAGNOSIS + REPAIR BOOKINGS

To view a list of future bookings, the , must click on the button labelled ' Show Next Bookings Per Vehicle '. Once the button has been pressed, the table now only shows the next future bookings. --> **TEST PASSED**

TEST CASE 7 – VIEW FUTURE DIAGNOSIS + REPAIR BOOKING DETAILS

To select a future 'Diagnosis + Repair Booking', the user must click on the button labelled ' Show Next Bookings Per Vehicle '. Then, the user can select the wanted future booking. Once a booking has been selected, the details of the booking concerned will fill into the components on the right of the table (like in TEST CASE 5). --> **TEST PASSED**

TEST CASE 8 – ATTEMPT OF MAKING BOOKING OUTSIDE WORKING HOURS

Click on the date picker interface to try + select a Sunday, it should be blocked out (Figure 2). If you click on an a weekday (Wednesday) + select an end hr of 16:00, the end min options should show ' 00 ', ' 15 ', ' 30 ', ' 45 ' (Figure 3). But if you choose an end hr of 17:00, the end min options should only show ' 00 ', ' 15 ', ' 30 ' (Figure 4). --> **TEST PASSED**

Date :

Mechanic :

Time :

Time :

End Time : :

End Time : :

Figure 2

Figure 3

Figure 4

TEST CASE 9 – EDIT MILEAGE OF VEHICLE ASSOCIATED WITH PAST BOOKING

To edit the mileage of a vehicle associated with a past booking, the user must click on the button labelled ' Show Next Bookings Per Vehicle '. Then, the user then selects a future booking. Next, they press the ' Complete Booking ' button which then they can proceed to type in the updated vehicle mileage then the user should press the ' Complete ' button to update that booking. This should update the vehicle mileage for a given vehicle which can be seen when you search for the vehicle in question. --> **TEST PASSED**

TEST CASE 10 – CREATE A NEW DIAGNOSIS + REPAIR BOOKING

To create a new booking, the user must press the ' Add Booking ' button and then type in a valid vehicle currently in the system (' ED12 EAF ') + press the ' Search ' button. If a valid vehicle registration is entered, a confirmation message in green will appear, else a red error message will appear. The user must then choose a booking dates, start and end times then press the ' Add Booking ' button. Once a booking has been added successfully, you should see the booking added into the table on the right. --> **TEST PASSED**

TEST CASE 11 – LOGOUT + LOG IN

To logout, the user has to click on the button labelled ' Logout ' + to log in, the user must then type in the correct Login ID + password then press the return key OR click the ' Log In ' button and if the correct credentials are entered; it brings you to the dashboard. The user can click on the ' Bookings ' button and they will be able to see the recently created booking in the table. --> **TEST PASSED**

TEST CASE 12 – ATTEMPT TO ADD A BOOKING ON BANK HOLIDAY

To add a booking, the user would click on the ' Add Booking ' button and click the date picker interface and if they navigate to a bank holiday + try to select it (Good Friday, 14/04/2017), it doesn't allow them to (Figure 5).

Figure 5