

ECS506U Software Engineering
Group Project 2017

Group 3
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Parts Record

Test Plan and Results - Authentication

Test Case		Result	Input Data	Result
1	Logon as existing system administrator – provide id and password.	Pass	On the login screen Enter username: 10000 Password: password	Admin user gets logged in. The admin functionality under the 'Users' tab is available.
2	View list of existing users (all users of both types).	Pass	Once logged in as admin click on the 'Users' tab	The list of existing users will appear.
3	Change password of existing day-to-day user.	Pass	Once logged in as admin, click on the 'Users' tab. Select the user to edit their details.	As soon as the 'Save' button is clicked, the edits are saved.
4	Create a new day-to-day user.	Pass	- Once logged in as admin click on the 'Users' tab. - Click on the 'Add' button. - enter the new user details, tick 'Mechanic' and click on 'Save'	The new user will appear in the list.
5	Logout existing administrator.	Pass	Click on the 'Logout' button	System will log out and display the log in screen.
6	Login as the new day-to-day user.	Pass	On the login screen enter the username and password of the newly added user.	The user will get logged in to the system as a Mechanic (day to day user). The 'Users' tab will not be available to them.
7	Logout as new day-today user.	Pass	Once logged in as a day to day user, click on the 'Logout' button.	System will log out and display the log in screen.
8	Attempt login as new day-to-day user with incorrect authentication.	Pass	On the login screen enter the username and/or password that does not exist in database.	User will be notified that their credentials are incorrect.
9	Logon as existing system administrator.	Pass	On the login screen enter the username and password of a user saved as administrator.	The user will get logged in to the system as a Administrator. The 'Users' tab will be available to them.

10	Delete newly created day-to-day user.	Pass	<ul style="list-style-type: none"> - log out - log back in - select 'Parts' tab 	The table view of the stock will show any changes applied previously.
11	Login as existing day-to-day user	Pass	<ul style="list-style-type: none"> - Log in as Administrator - Click on the 'Users' tab - Select the user to delete - Click on 'Delete' 	The user list will reflect the recently deleted user.

Test Plan and Results - Parts

Test Case		Result	Input Data	Result
1	View list of parts used on selected vehicle under an existing "diagnosis and repair" booking.	Pass	<ul style="list-style-type: none"> - select 'Parts' from the first menu, - select 'Name' or 'Registration' from the second menu. - input name or registration in the search box - click on 'Search' 	The first table will display a list of customers with their linked car registration numbers. If one customer gets selected, the second table will display all parts used on this vehicle.
2	Select a part used and list details.	Pass	<ul style="list-style-type: none"> - Select a part in the second table 	The selected part details will be visible in the Part Details section of the screen.
3	Search for a part to add to a vehicle by name.	Pass	<ul style="list-style-type: none"> - Click on the 'Booking' Tab - Select a booking in the table - click on the 'Complete Booking' button - click on the 'Edit Parts Used for Booking' - click on the 'Add More Parts' button 	The first table will show all available parts by name. Once a part gets selected, the second table gets filled with parts of this name in stock
4	Add a part to a repair of the selected vehicle. Show that stock level reduced.	Pass	<ul style="list-style-type: none"> - select a part in the second table - click on the 'Add Selected' 	<p>The selected part will disappear from the 2nd table and appear in the 3rd table.</p> <p>The stock amount will decrease in the first table.</p>

5	View current stock list.	Pass	- select 'Parts' tab	The list of all available parts will appear in the first table. Once a part gets selected, the second table will list all parts of that name in stock.
6	Add new stock item. Show stock of part increased.	Pass	- select 'Parts' tab - select a part type from first table - select a part from second table - click on the 'Add New Stock' tab	The stock level of the selected type will increase. The new part will appear in the second table.
7	Edit the record for a stock item.	Pass	- select 'Parts' tab - select a part type in first table - select a part entry in the second table	The textboxes will display this part's details. The description, date in stock and cost fields are editable, once changes are made and the 'Save Changes' button gets clicked, it will be saved in database.
8	Delete a stock item.	Pass	- select 'Parts' tab - select a part type in first table - select a part entry in the second table - click on 'Delete' button	The selected part will be deleted from the database and disappear from the table view.
9	Create a new part in the stock list and add items.	Pass	- select 'Parts' tab - click on the 'Add New Stock' tab	User will be redirected to another screen to input new part details. Once the 'Save' button gets clicked, the new part is saved in the database.
10	Logout, close application and log back in. Show created record is persistently stored.	Pass	- log out - log back in - select 'Parts' tab	The table view of the stock will show any changes applied previously.

1. View list of parts used on selected vehicle under an existing “diagnosis and repair” booking.

GM SIS

Customer Vehicle Bookings Parts Users Log Out

To Search, select an Option, a Criteria and enter a Search Value

Parts Name a SEARCH

Please select a customer for parts details :

Name	Registration
Van Guy	V1 V4N1
Van Guy	V1 V4N2

PART DETAILS:

ID:	ID
Name:	Name
Description:	Description
Cost:	Cost
Date In Stock:	Date In Stock
Date Installed:	Date Installed
Warranty:	Warranty

VEHICLE DETAILS:

Classification	Van
Registration	V1 V4N1
Make	Ford

CUSTOMER DETAILS:

Name:	Van Guy
Address:	8 Van Ave
Post Code:	V1 0V0

Please select part for more details :

Name	Date Installed
Spark Plug	
Battery	2017-03-18
Steering Wheel	

2. Select a part used and list details.

GM SIS

Customer Vehicle Bookings Parts Users Log Out

To Search, select an Option, a Criteria and enter a Search Value

Parts Name a SEARCH

Please select a customer for parts details :

Name	Registration
Van Guy	V1 V4N1
Van Guy	V1 V4N2

PART DETAILS:

ID:	4
Name:	Battery
Description:	Yuasa YBX3000 Ra
Cost:	90.0
Date In Stock:	15/03/2016
Date Installed:	18/03/2017
Warranty:	Under Warranty

VEHICLE DETAILS:

Classification	Van
Registration	V1 V4N1
Make	Ford

CUSTOMER DETAILS:

Name:	Van Guy
Address:	8 Van Ave
Post Code:	V1 0V0

Please select part for more details :

Name	Date Installed
Spark Plug	
Battery	2017-03-18
Steering Wheel	

3. Search for a part to add to a vehicle by name.

Screenshot 1: Booking search interface. A booking for 'Hakowitz Tan' is selected. Buttons include 'Add Booking', 'Complete Booking', 'Save Changes', and 'Delete'.

Screenshot 2: Complete Booking interface. Details like customer, vehicle, booking date, and parts used are shown. Buttons include 'Edit Parts Used For Booking', 'Save', and 'Complete'.

Screenshot 3: Booking details page for booking ID 1. It shows booking info, part costs, and a 'Save To Booking' button.

Screenshot 4: Your Selected Parts and All Parts Stock interfaces. The 'Headlight' part is selected in the stock list, highlighted with a red box. Buttons include 'Save To Booking' and 'Add Selected'.

4. Add a part to a repair of the selected vehicle. Show that stock level reduced.

Screenshot 1: Booking details page for booking ID 1. The 'Headlight' part is selected in the stock list, highlighted with a red box. Buttons include 'Save To Booking' and 'Add Selected'.

Screenshot 2: Booking details page after adding the part. The 'Headlight' part is now listed in the 'Your Selected Parts' table. The 'Headlight' row in the 'All Parts Stock' table has its stock level reduced from 2 to 1, highlighted with a red box. Buttons include 'Save To Booking' and 'Add Selected'.

5. View current stock list.

Part Name	Stock Level
Spark Plug	1
Alternator	3
Clutch	3
Headlight	3
Windshield Wiper Blades	2

Part ID	Part Name	Description	Date In Stock	Cost
33	Headlight	Replacemen...	2017-03-24	86.0
42	Headlight	Replacemen...	2017-03-24	86.0
43	Headlight	Replacemen...	2017-03-24	86.0

EDIT SELECTED PART
Name: Headlight
Description: Replacement HeadLamp 2017
Cost: 86.0
Date In Stock: 24/03/2017
Delete Clear

Add New Stock Save Changes Delete Clear

6. Add new stock item. Show stock of part increased.

Part Name	Stock Level
Spark Plug	1
Alternator	3
Clutch	3
Headlight	3
Windshield Wiper Blades	2

Part ID	Part Name	Description	Date In Stock	Cost
33	Headlight	Replacemen...	2017-03-24	86.0
42	Headlight	Replacemen...	2017-03-24	86.0
43	Headlight	Replacemen...	2017-03-24	86.0

EDIT SELECTED PART
Name: Headlight
Description: Replacement HeadLamp 2017
Cost: 86.0
Date In Stock: 24/03/2017
Delete Clear

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

Part ID	Part Name	Description	Date In Stock	Cost
29	Alternator	Lucas Altern...	2017-03-23	115.0
44	Alternator	Lucas Altern...	2017-03-23	115.0
47	Alternator	Lucas Altern...	2017-03-23	115.0
50	Alternator	Lucas Altern...	2017-03-23	115.0

EDIT SELECTED PART
Name: Alternator
Description: Lucas Alternator 2346
Cost: 115.0
Date In Stock: 23/03/2017
Delete Clear

Add New Stock Save Changes Delete Clear

7. Edit the record for a stock item.

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

Part ID	Part Name	Description	Date In Stock	Cost
33	Headlight	Replacemen...	2017-03-23	115.0
44	Alternator	Lucas Altern...	2017-03-23	115.0
47	Alternator	Lucas Altern...	2017-03-23	115.0
50	Alternator	Lucas Altern...	2017-03-23	115.0

EDIT SELECTED PART
Name: Alternator
Description: Lucas Alternator 3
Cost: 115.0
Date In Stock: 23/03/2017
Delete Clear

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

Part ID	Part Name	Description	Date In Stock	Cost
29	Alternator	Lucas Altern...	2017-03-23	115.0
44	Alternator	Lucas Altern...	2017-03-23	115.0
47	Alternator	Lucas Altern...	2017-03-23	115.0
50	Alternator	Lucas Altern...	2017-03-23	115.0

EDIT SELECTED PART
Name: Alternator
Description: Lucas Alternator 2346
Cost: 45.0
Date In Stock: 23/03/2017
Delete Clear

Add New Stock Save Changes Delete Clear

8. Delete a stock item.

PARTS STOCK BY NAME

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

PART TYPE

Part ID	Part Name	Description	Date In Stock	Cost
29	Alternator	Lucas Altern...	2017-03-23	115.0
44	Alternator	Lucas Altern...	2017-03-23	45.0
47	Alternator	Lucas Altern...	2017-03-23	115.0
50	Alternator	Lucas Altern...	2017-03-23	115.0

EDIT SELECTED PART

Name: Alternator
Description: Lucas Alternator 2346
Cost: 45.0
Date In Stock: 22/03/2017

Add New Stock Save Changes Cost: Cost Date In Stock: Date In Stock
Delete Clear

PARTS STOCK BY NAME

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

PART TYPE

Part ID	Part Name	Description	Date In Stock	Cost
49	Alternator	Lucas Altern...	2017-03-23	115.0
47	Alternator	Lucas Altern...	2017-03-23	115.0
60	Alternator	Lucas Altern...	2017-03-23	115.0

EDIT SELECTED PART

Name: Description:
Cost: Cost
Date In Stock: Date In Stock

Add New Stock Save Changes Cost: Cost Date In Stock: Date In Stock
Delete Clear

9. Create a new part in the stock list and add items.

PARTS STOCK BY NAME

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	3
Headlight	4
Windshield Wiper Blades	2

PART TYPE

Part ID	Part Name	Description	Date In Stock	Cost
31	Clutch	Eco-Tech Cl...	2017-03-23	140.0
45	Clutch	Eco-Tech Cl...	2017-03-23	140.0
48	Clutch	Eco-Tech Cl...	2017-03-23	140.0
51	Clutch	Transmec 3...	2017-03-22	72.0

EDIT SELECTED PART

Name: Clutch
Description: Transmec 3Pc Clutch
Cost: 72.0
Date In Stock: 22/03/2017

Go Back Save

PARTS STOCK BY NAME

Part Name	Stock Level
Spark Plug	1
Alternator	4
Clutch	4
Headlight	4
Windshield Wiper Blades	2

PART TYPE

Part ID	Part Name	Description	Date In Stock	Cost
31	Clutch	Eco-Tech Cl...	2017-03-23	140.0
45	Clutch	Eco-Tech Cl...	2017-03-23	140.0
48	Clutch	Eco-Tech Cl...	2017-03-23	140.0
51	Clutch	Transmec 3...	2017-03-22	72.0

EDIT SELECTED PART

Name: Clutch
Description: Transmec 3Pc Clutch
Cost: 72.0
Date In Stock: 22/03/2017

Add New Stock Save Changes Cost: Cost Date In Stock: Date In Stock
Delete Clear

10. Logout, close application and log back in. Show created record is persistently stored.

PARTS STOCK BY NAME

Part Name	Stock Level
Spark Plug	1
Alternator	3
Clutch	4
Headlight	4
Windshield Wiper Blades	2

PART TYPE

Part ID	Part Name	Description	Date In Stock	Cost
31	Clutch	Eco-Tech Cl...	2017-03-23	140.0
45	Clutch	Eco-Tech Cl...	2017-03-23	140.0
48	Clutch	Eco-Tech Cl...	2017-03-23	140.0
51	Clutch	Transmec 3...	2017-03-22	72.0

EDIT SELECTED PART

Name: Description:
Cost: Cost
Date In Stock: Date In Stock

Add New Stock Save Changes Cost: Cost Date In Stock: Date In Stock
Delete Clear