

Vroom Backend Test Management

All test scripts can be seen [here](#)

For the backend, the team uses PHPUnit to do unit testings. Each feature was tested every 2nd week of the sprint. The test scripts are made based on each feature's acceptance criteria that can be seen on every PBI card on [Trello](#).

Sprint 1

Test Case ID	PBI Covered	Test Objective	Preconditions	Steps	Test data	Expected result
1 Script	All PBI that uses user table	Making sure the user table works properly	<ul style="list-style-type: none">composer is installedxampp has been installedxampp has been rundatabase named carsharetesting for testing has been created	<ul style="list-style-type: none">open the terminalgo to the carShareBackend directoryrun command: vendor\bin\phpunit tests\Unit\UserTest.php	<ul style="list-style-type: none">given user data to be inserted to the tableCheck if the data is correctly created inside the table	OK (1 test, 2 assertions)
2 Script	All PBI that uses customer table	Making sure the customer table works properly	<ul style="list-style-type: none">composer is installedxampp has been installedxampp has been rundatabase named carsharetesting	<ul style="list-style-type: none">open the terminalgo to the carShareBackend directoryrun command: vendor\bin\phpunit tests\Unit\CustomerTest.php	<ul style="list-style-type: none">given customer data to be inserted to the tableCheck if the data is correctly created inside the table	OK (1 test, 2 assertions)

			for testing has been created			
2 Script	All PBI that uses customer table	Making sure the customer table works properly	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Unit\CustomerTest.php 	<ul style="list-style-type: none"> given customer data to be inserted to the table Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)
3 Script	All PBI that uses car table	Making sure the car table works properly	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Unit\CarTest.php 	<ul style="list-style-type: none"> given car data to be inserted to the table Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)
4 Script	All PBI that uses credit card table	Making sure the credit card table work properly	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Unit\CreditCardTest.php 	<ul style="list-style-type: none"> given credit card data to be inserted to the table Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)

			for testing has been created			
5 Script	1, 32	Making sure the customer functionalities work properly based on the acceptance criteria	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\CustomerTest.php 	<ul style="list-style-type: none"> given correct and incorrect data as the input for register assert the number to make sure it's deleted 	OK (1 test, 6 assertions)
6 Script	2,3,4	Making sure all users can login	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UserLoginTest.php 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UserLoginTest.php 	OK (1 test, 6 assertions)
7 Script	5	Making sure all users can logout	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UserLogoutTest.php 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UserLogoutTest.php 	OK (1 test, 2 assertions)

			for testing has been created			
8 Script	7	Making sure the customer can see a list of available cars	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\CarList Test.php 	<ul style="list-style-type: none"> Assert 'car not found' response Insert test data for User, Location and Car tables Log in and assert the logging Assert the request to see all cars that are available for renting 	OK (1 test, 3 assertions)
9 Script	6, 23	Making sure the super admin can create more admins.	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\Admin Test.php 	<ul style="list-style-type: none"> Given user data as super admin to be inserted to the table Check if the data is correctly created inside the table Login and assert status. Create one admin with correct detail and another admin with incorrect detail. Assert status as one is valid and another invalid. 	OK (1 test, 6 assertions)

					<ul style="list-style-type: none"> Assert count if the user table contains of 2 users as one super admin and one admin. 	
10 Script	8	Making sure the super admin and admins can update customer account status.	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\Update StatusTest.php 	<ul style="list-style-type: none"> Given user data as an admin and a customer to be inserted to the table Check if the data is correctly created inside the table Login and assert status Assert the request to set the customer status 	OK (1 test, 3 assertions)

Sprint 2

Test Case ID	PBI Covered	Test Objective	Preconditions	Steps	Test data	Expected result
1 Script	9, 8, 12,21, 35	Making sure all car functionalities work properly based on the	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\CarListTest.php 	<ul style="list-style-type: none"> given correct and incorrect data as the input for 	OK (1 test, 10 assertions)

		acceptance criteria	<ul style="list-style-type: none"> database named carsharetesting for testing has been created 		<ul style="list-style-type: none"> create and update car Delete a car and get the list of cars, assert the number to make sure it's deleted 	
2 Script	22	Making sure the admin can see a list of locations	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\LocationListTest.php 	<ul style="list-style-type: none"> Assert 'location not found' response Insert test data for Location table Assert the request to see a list of locations 	OK (1 test, 2 assertions)
3 Script	33	Making sure the admin can edit the parking location details	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UpdateLocationTest.php 	<ul style="list-style-type: none"> Insert test data for User and Location tables Log in as an admin and assert Update the location with correct input and assert Update the location with empty input and assert 	OK (1 test, 3 assertions)

4 Script	34	Make sure the admin can see the details of a location	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\LocationDetailsTest.php 	<ul style="list-style-type: none"> Insert test data for User table Log in as an admin and assert Assert 'location not found' if there is no data in the Location table Insert test data to the Location table Display location details and assert 	OK (1 test, 3 assertions)
5 Script	13, 14	Making sure the super admin and admins can delete location	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\DeleteLocationTest.php 	<ul style="list-style-type: none"> Given user data as an admin and a customer to be inserted to the table Given a location data to be inserted to the table Check if all the data is correctly created inside the table Login and assert status Assert the request to 	OK (1 test, 3 assertions)

					delete the location.	
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Sprint 3

Test Case ID	PBI Covered	Test Objective	Preconditions	Steps	Test data	Expected result
1 Script	All PBI that uses bookings table	Making sure the booking table works properly	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Unit\BookingTest.php 	<ul style="list-style-type: none"> given booking data to be inserted to the table Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)
2 Script	15, 20	Making sure the booking can be created and updated	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\CreateUpdateBookingTest.php 	<ul style="list-style-type: none"> given correct and incorrect data as the input for create and update booking 	OK (1 test, 6 assertions)

			for testing has been created			
3 Script	25	Making sure booked dates are returned	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UnavailableDateTest.php 	<ul style="list-style-type: none"> Test data is inserted into Location, Car, User, Customer, Credit Card and Booking tables Log in as a customer and assert Display car's booked dates with correct joining 	OK (1 test, 3 assertions)
4 Script	36	Making sure the admin can see customers' booking	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ShowCustomerBookingsTest.php 	<ul style="list-style-type: none"> Test data is inserted into Location, Car, User, Customer, Credit Card and Booking tables Log in as an admin and assert Display customers' booking with correct joining 	OK (1 test, 3 assertions)

5 Script	38	Making sure the booking is set to ongoing when the customer activates or reaches the booked time	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ActivateBookingTest.php 	<ul style="list-style-type: none"> Test data is inserted into Location, Car, User, Customer, Credit Card and Booking tables Log in as a customer and assert Activate booking and assert 	OK (1 test, 3 assertions)
6 Script	39	Make sure the admin can see the details of a booking	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ShowBookingDetailsTest.php 	<ul style="list-style-type: none"> Test data is inserted into Location, Car, User, Customer, Credit Card and Booking tables Log in as a customer and assert Show details of the booking and assert 	OK (1 test, 3 assertions)

7 Script	16	Making sure the current user can see his/her ongoing bookings	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\showMyBookingTest.php 	<ul style="list-style-type: none"> Given location, car, admin, customer and booking to be inserted to the table Check if all the data is correctly created inside the table Login and assert status Assert the request to display ongoing bookings of the user 	OK (1 test, 3 assertions)
8 Script	37	Making sure customers can delete their bookings	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\DeleteBookingTest.php 	<ul style="list-style-type: none"> Given location, car, admin, customer and a booking to be inserted to the table Check if all the data is correctly created inside the table 	OK (1 test, 4 assertions)

					<ul style="list-style-type: none"> ⌘ Login and assert status ⌘ Assert the request to delete the booking and check if there is no booking left in the table. 	
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Sprint 4

Test Case ID	PBI Covered	Test Objective	Preconditions	Steps	Test data	Expected result
1 Script	All PBI that uses histories table	Making sure the history table works properly	<ul style="list-style-type: none"> ⌘ composer is installed ⌘ xampp has been installed ⌘ xampp has been run ⌘ database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> ⌘ open the terminal ⌘ go to the carShareBackend directory ⌘ run command: vendor\bin\phpunit tests\Unit\HistoryTest.php 	<ul style="list-style-type: none"> ⌘ given history data to be inserted to the table ⌘ Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)
2 Script	31	Making sure the booking can be finished and it moves to	<ul style="list-style-type: none"> ⌘ composer is installed ⌘ xampp has been installed 	<ul style="list-style-type: none"> ⌘ open the terminal ⌘ go to the carShareBackend directory ⌘ run command: vendor\bin\phpunit tests\Feature\CreateHistoryTest.php 	<ul style="list-style-type: none"> ⌘ given correct and incorrect data as the 	OK (1 test, 3 assertions)

		the history table	<ul style="list-style-type: none"> ⊄ xampp has been run ⊄ database named carsharetesting for testing has been created 		input for create history	
3 Script	41	Make sure customer can make payment	<ul style="list-style-type: none"> ⊄ composer is installed ⊄ xampp has been installed ⊄ xampp has been run ⊄ database named carsharetesting for testing has been created 	<ul style="list-style-type: none"> ⊄ open the terminal ⊄ go to the carShareBackend directory ⊄ run command: vendor\bin\phpunit tests\Feature\PaypalTest.php 	<ul style="list-style-type: none"> • Given information related to payment • Make sure the response is 302 	OK (1 test, 2 assertions)
4 Script	24	Make sure an existing user can be deleted	<ul style="list-style-type: none"> ⊄ composer is installed ⊄ xampp has been installed ⊄ xampp has been run ⊄ database named carsharetest for testing has been created 	<ul style="list-style-type: none"> ⊄ open the terminal ⊄ go to the carShareBackend directory ⊄ run command: vendor\bin\phpunit tests\Feature\DeleteUserTest.php 	<ul style="list-style-type: none"> ⊄ Given super-admin and admin data to be inserted to the User table ⊄ Super-admin is logged in and asserted ⊄ Admin is deleted from database and asserted 	OK (1 test, 2 assertions)

5 Script	28	Make sure customer details can be updated	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetest for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\CustomerUpdateTest.php 	<ul style="list-style-type: none"> Given customer data to be inserted to the User and Customer tables Customer is logged in and asserted Address and phone number details of the customer is updated and asserted 	OK (1 test, 2 assertions)
6 Script	40	Make sure histories data can be joined with all the foreign keys and displayed	<ul style="list-style-type: none"> composer is installed xampp has been installed xampp has been run database named carsharetest for testing has been created 	<ul style="list-style-type: none"> open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\HistoriesListTest.php 	<ul style="list-style-type: none"> Given booking history data to be inserted to the User, Customer, Credit Cards, Location, Car and History tables Customer is logged in and asserted Booking history is displayed with correct joining and asserted 	OK (1 test, 2 assertions)

7 Script	17	Make sure customers can see their booking histories.	<ul style="list-style-type: none"> ⊄ composer is installed ⊄ xampp has been installed ⊄ xampp has been run ⊄ database named carsharetest for testing has been created 	<ul style="list-style-type: none"> ⊄ open the terminal ⊄ go to the carShareBackend directory ⊄ run command: vendor\bin\phpunit tests\Feature\ShowHistoriesTest.php 	<ul style="list-style-type: none"> ⊄ Given location, car, admin, customer and a booking to be inserted to the table ⊄ Check if all the data is correctly created inside the table ⊄ Login and assert status ⊄ Assert the request to displays the history. 	OK (1 test, 3 assertions)
8 Script	26	Make sure customers can reset their password	<ul style="list-style-type: none"> ⊄ composer is installed ⊄ xampp has been installed ⊄ xampp has been run ⊄ database named carsharetest for testing has been created 	<ul style="list-style-type: none"> ⊄ open the terminal ⊄ go to the carShareBackend directory ⊄ run command: vendor\bin\phpunit tests\Feature\ResetPasswordTest.php 	<ul style="list-style-type: none"> ⊄ Given location, car, admin, customer and a booking to be inserted to the table ⊄ Check if all the data is correctly created inside the table 	OK (1 test, 3 assertions)

					<div>⌘ Assert the request to create reset password request.</div> <div>⌘ Assert the request to find the token of the user.</div> <div>⌘ Assert the request to Change the password.</div>	
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