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 2_{nd} 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 <u>Trello</u>.

Test Case	PBI Covere	Test Objective	Preconditions	Steps	Test data	Expected result
ID	d					resurt
1 Script	All PBI that uses user table	Making sure the user table works properly	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Unit\UserTest.p hp 	 ∉ given user data to be inserted to the table ∉ Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)
2 <u>Script</u>	All PBI that uses customer table	Making sure the customer table works properly	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Unit\Customer Test.php 	 ∉ given customer data to be inserted to the table ∉ Check if the data is correctly created inside the table 	OK (1 test, 2 assertions)

2 <u>Script</u>	All PBI that uses customer table	Making sure the customer table works properly	for testing has been created	 ø open the terminal ø go to the carShareBackend directory ø run command: vendor\bin\phpunit tests\Unit\Customer Test.php 	 given customer data to be inserted to the table 	OK (1 test, 2 assertions)
3 Script	All PBI that uses car table	Making sure the car table works properly	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Unit\CarTest.ph p 	 ∉ 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 <u>Script</u>	All PBI that uses credit card table	Making sure the credit card table work properly	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting 	 ø open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Unit\CreditCard Test.php 	 ∉ 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)

5 <u>Script</u>	1, 32	Making sure the customer functionalities work properly based on the acceptance criteria	for testing has been created	 ø open the terminal ø go to the carShareBackend directory ø run command: vendor\bin\phpunit tests\Feature\Custo merTest.php 	 given correct and incorrect data as the input for register 	OK (1 test, 6 assertions)
6 <u>Script</u>	2,3,4	Making sure all users can login	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\UserLo ginTest.php 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpuni t tests\Feature\User LoginTest.php 	OK (1 test, 6 assertions)
7 <u>Script</u>	5	Making sure all users can logout	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\UserLo goutTest.php 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpuni t tests\Feature\User LogoutTest.php 	OK (1 test, 2 assertions)

8	7	Making sure the	for testing has been created		Accord from not	OK (1 test, 3
Script	,	Making sure the customer can see a list of available cars	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\CarList Test.php 	 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 	assertions)
9 <u>Script</u>	6, 23	Making sure the super admin can create more admins.	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ø open the terminal e go to the carShareBackend directory e run command: vendor\bin\phpunit tests\Feature\Admin Test.php 	 ∉ 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)

10 Script	8	Making sure the super admin and admins can update customer account status.	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\Update StatusTest.php 	<pre></pre>

Test	PBI	Test	Preconditions	Steps	Test data	Expected
Case	Covered	Objective				result
ID						
1 Script	9, 8, 12,21, 35	Making sure all car functionalities work properly based on the	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\CarListTest.php 	∉ given correct and incorrect data as the input for	OK (1 test, 10 assertions)

		acceptance criteria	∉	database named carsharetesting for testing has been created			∉	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	∉	composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created	∉	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\LocationListTest.php	•	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		composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created	∉	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\UpdateLocationTest.php	•	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	34	Make sure the	∉	composer is		∉	open the terminal	•	Insert test data	OK (1 test,
Script	3.	admin can see	y _	installed		⊬ ∉	go to the carShareBackend directory	_	for User table	3
<u>5666</u>		the details of a	∉	xampp has	1	⊬ ∉	run command:	•	Log in as an	assertions)
		location	У_	been installed	,	Œ	vendor\bin\phpunit		admin and	
		location	∉	xampp has			tests\Feature\LocationDetailsTest.php		assert	
			⊭	been run			tests (i eature (Location Details rest. prip	•	Assert	
			∉	database					'location not	
			y =	named					found' if there	
				carsharetesting					is no data in	
				for testing has					the Location	
				been created					table	
				been created				•	Insert test data	
								_	to the Location	
									table	
								•	Display	
								_	location details	
									and assert	
5	13, 14	Making sure the	#	composer is		∉	open the terminal	∉	Given user	OK (1 test,
Script		super admin and	~	installed		<i>–</i> ∉	go to the carShareBackend directory	_	data as an	3
		admins can	∉	xampp has	1	<i>–</i> ∉	run command:		admin and a	assertions)
		delete location	_	been installed	,	~	vendor\bin\phpunit		customer to be	
		delete location	∉	xampp has			tests\Feature\DeleteLocationTest.php		inserted to the	
			-	been run			tests (reatare (Beretezoadion restiping		table	
			∉	database				∉	Given a	
			y _	named				_	location data	
				carsharetesting					to be inserted	
				for testing has					to the table	
				been created				∉	Check if all the	
				5000.04.04				_	data is	
									correctly	
									created inside	
									the table	
								∉	Login and	
									assert status	
								∉	Assert the	
								, ,	request to	

	delete the location.	

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	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Unit\BookingTest.php 	 ∉ 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	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\CreateUpdateBookingTest.php 	∉ given correct and incorrect data as the input for create and update booking	OK (1 test, 6 assertions)

			for testing has been created			
3 <u>Script</u>	25	Making sure booked dates are returned	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\UnavailableDateTest.php 	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	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\ShowCustomerBookingsTest.php 	 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	∉	composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created	∉ ∉ ∉	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ActivateBookingTest.php	•	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	€	composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created	€	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ ShowBookingDetailsTest.php	•	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	in ∉ xa b ∉ xa b b ∉ d n ca	composer is installed campp has been installed campp has been run database hamed carsharetesting for testing has been created	€€	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ showMyBookingTest.php	€	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	in h: in ∉ xa b: ∉ d: ca	composer is installed xampp has been run database hamed carsharetesting for testing has been created	∉	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\ DeleteBookingTest.php	∉	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)

		∉	Login and
			assert status
		∉	Assert the
			request to
			delete the
			booking and
			check if there
			is no booking
			left in the
			table.

Test	PBI	Test	Preconditions	Steps	Test data	Expected
Case ID	Covered	Objective				result
1 Script	All PBI that uses histories table	Making sure the history table works properly	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetesting for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Unit\HistoryTest.php 	 ∉ 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	∉ composer is installed∉ xampp has been installed	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\CreateHistoryTest.php 	∉ given correct and incorrect data as the	OK (1 test, 3 assertions)

		the history table	∉	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	∉	composer is installed xampp has been installed xampp has been run database named carsharetesting for testing has been created	∉	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\PaypalTest.php	•	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	∉	composer is installed xampp has been installed xampp has been run database named carsharetest for testing has been created	€ €	open the terminal go to the carShareBackend directory run command: vendor\bin\phpunit tests\Feature\DeleteUserTest.php	∉	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)

		T .			ı				
5	28	Make sure	∉	composer is	∉	open the terminal	•	Given	OK (1 test,
<u>Script</u>		customer		installed	∉	go to the carShareBackend directory		customer	2
		details can be	∉	xampp has	∉	run command:		data to be	assertions)
		updated		been installed		vendor\bin\phpunit		inserted to	
			∉	xampp has		tests\Feature\CustomerUpdateTest.php		the User and	
				been run				Customer	
			∉	database				tables	
				named			•	Customer is	
				carsharetest				logged in and	
				for testing has				asserted	
				been created			•	Address and	
								phone	
								number	
								details of the	
								customer is	
								updated and	
								asserted	
6	40	Make sure	∉	composer is	∉	open the terminal	•	Given booking	OK (1 test,
Script		histories data	_	installed	≠	go to the carShareBackend directory		history data	2
		can be joined	∉	xampp has	≠	run command:		to be inserted	assertions)
		with all the	-	been installed	_	vendor\bin\phpunit		to the User,	
		foreign keys	∉	xampp has		tests\Feature\HistoriesListTest.php		Customer,	
		and displayed	y _	been run		tests (reatare (mstories) istrest.pmp		Credit Cards,	
			∉	database				Location, Car	
			/	named				and History	
				carsharetest				tables	
				for testing has			•	Customer is	
				been created				logged in and	
				been created				asserted	
							•	Booking	
							•	history is	
								displayed	
1								with correct	
1								joining and	
								asserted	

7 Script	17	Make sure customers can see their booking histories.	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetest for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\ShowHistoriesTest.php 	 ✓ 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	 ∉ composer is installed ∉ xampp has been installed ∉ xampp has been run ∉ database named carsharetest for testing has been created 	 ∉ open the terminal ∉ go to the carShareBackend directory ∉ run command: vendor\bin\phpunit tests\Feature\ResetPasswordTest.php 	 ∉ 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)

		∉	Assert the	
			request to	
			create reset	
			password	
			request.	
		∉	Assert the	
			request to	
			find the token	
			of the user.	
		∉	Assert the	
			request to	
			Change the	
			password.	