

Module	Test Scenario Description	Steps to Execute	Expected Result
	Verify that a trip can be created successfully with valid details	<ol style="list-style-type: none">1. Go to the "Trip Management" page.2. Click "Create Trip".3. Enter valid details for destination, driver, vehicle, and scheduled time.4. Save the trip.	The trip should be saved successfully and displayed in the trip list.
	Test if an error appears when trying to create a trip without a driver	<ol style="list-style-type: none">1. Go to the "Trip Management" page.2. Click "Create Trip".3. Leave the "Driver" field blank and fill in other fields.4. Save the trip.	The system should display an error indicating that the driver field is mandatory.

Trip Management

Verify that notifications are sent to assigned drivers when a trip is created

1. Assign a driver to a trip.

2. Save the trip.

3. Check the notification system for the assigned driver.

The assigned driver should receive a notification about the trip assignment.

Check if the system allows simultaneous trip creation for multiple vehicles

1. Create a trip with multiple vehicles assigned.

2. Save the trip.

3. Verify that all vehicles appear under the trip.

The system should allow assigning multiple vehicles and display them under the created trip.

Verify the deletion functionality for trips

1. Navigate to the "Trip Management" page.

2. Select a trip from the list.

3. Click "Delete".

4. Confirm the deletion.

The trip should be deleted and no longer appear in the trip list.

Module	Test Scenario Description	Steps to Execute	Expected Result
Driver Management	Verify that a new driver can be added successfully	1. Go to the "Driver Management" page.	The driver should be saved successfully and displayed in the driver list.
		2. Click "Add Driver".	
		3. Enter all required fields (name, contact info, license number, etc.).	
		4. Save the driver.	
	Check if the system prevents duplicate license numbers	1. Add a new driver with an existing license number.	The system should display an error indicating that the license number is already in use.
		2. Save the driver.	
	Test the assignment of drivers based on vehicle preferences	1. Create a driver profile with specific vehicle preferences.	The system should allow assignment to matching vehicle types and prevent assignment to non-matching vehicle types.
		2. Assign the driver to a trip with a matching vehicle type.	
		3. Attempt to assign the driver to a non-matching vehicle type.	

		1. Assign a driver to a trip.	
	Verify that driver performance data is tracked accurately	2. Complete the trip and update performance metrics.	The performance report should reflect accurate data for the completed trip.
		3. Check the performance report for the driver.	
		1. Create a trip and assign a driver.	
	Verify that the system prevents assigning the same driver to overlapping trips	2. Create another trip with overlapping times for the same driver.	The system should display an error preventing the assignment of overlapping trips to the same driver.
		3. Save the second trip.	
Module	Test Scenario Description	Steps to Execute	Expected Result
	Test the functionality of adding a new vehicle	1. Go to the "Vehicle Management" page. 2. Click "Add Vehicle". 3. Enter all required fields (make, model, registration number, etc.).	The vehicle should be saved successfully and displayed in the vehicle list.

Vehicle Management

Verify that the system sends maintenance alerts

4. Save the vehicle.

1. Add a vehicle with a maintenance schedule.

2. Set the current date near the scheduled maintenance date.

3. Check for alerts in the system.

The system should display a maintenance alert for the vehicle.

Check if the system allows updating vehicle details

1. Select a vehicle from the list.

2. Edit the vehicle's details (e.g., registration number).

3. Save the changes.

The updated details should be saved and displayed in the vehicle profile.

Verify that the system prevents duplicate registration numbers

1. Add a vehicle with an existing registration number.

2. Save the vehicle.

The system should display an error indicating that the registration number is already in use.

1. Select a vehicle from the list.

	Test if vehicles can be deactivated after being retired	2. Mark the vehicle as "Retired". 3. Check if the vehicle is no longer available for trip assignments.	The vehicle should be marked as retired and removed from the active fleet list.
Module	Test Scenario Description	Steps to Execute	Expected Result
	Verify that a new customer profile can be created successfully	1. Go to the "Customer Management" page. 2. Click "Add Customer". 3. Enter valid customer details (e.g., company name, contact info, billing information). 4. Save the customer.	The customer should be saved successfully and displayed in the customer list.
	Test if the system displays an error for missing mandatory fields	1. Go to the "Customer Management" page. 2. Click "Add Customer". 3. Leave mandatory fields (e.g., company name) blank.	The system should display an error indicating that mandatory fields cannot be left blank.

Customer Management

	4. Attempt to save the customer.	
	1. Create a customer profile.	
Verify that customer-specific rate cards can be created and applied	2. Add a rate card specific to the customer. 3. Assign the customer to a trip and verify if the rate card is applied during invoice generation.	The system should apply the customer-specific rate card correctly to the trip invoice.
Check if duplicate customer profiles are prevented	1. Create a customer profile with specific details (e.g., company name and contact info). 2. Attempt to create another profile with the same details. 3. Save the second profile.	The system should display an error indicating that duplicate customer profiles are not allowed.
Verify the deletion functionality for customer profiles	1. Select an existing customer from the list. 2. Click "Delete". 3. Confirm the deletion.	The customer profile should be deleted successfully and no longer appear in the customer list.

Module	Test Scenario Description	Steps to Execute	Expected Result
Expense Management	Verify that expenses can be added and categorized correctly	<ol style="list-style-type: none"> 1. Go to the "Expense Management" page. 2. Click "Add Expense". 3. Enter expense details (e.g., amount, category such as fuel or maintenance). 4. Save the expense. 	The expense should be saved successfully and appear in the relevant category.
	Test if expenses can be linked to a specific trip or vehicle	<ol style="list-style-type: none"> 1. Create a trip and assign a vehicle. 2. Add an expense and link it to the created trip or vehicle. 3. Save the expense. 	The expense should be linked correctly to the selected trip or vehicle.
	Verify that the system calculates total expenses accurately	<ol style="list-style-type: none"> 1. Add multiple expenses under different categories. 2. View the expense summary for a specific time period. 	The total expense should match the sum of all expenses within the selected period.

	Check if the system prevents negative expense values	3. Check the total calculation.	The system should display an error preventing negative expense values.
		1. Go to the "Expense Management" page.	
		2. Enter a negative value for an expense.	
		3. Attempt to save the expense.	
	Verify that expense reports can be generated for specific filters	1. Go to the "Expense Reports" section.	The report should display expenses matching the selected filters accurately.
		2. Select filters (e.g., date range, category, trip, or vehicle).	
		3. Generate the report.	
Module	Test Scenario Description	Steps to Execute	Expected Result
	Verify that trip reports are generated	1. Go to the "Reports and Analytics" section.	The report should display accurate trip details based
		2. Select the "Trip Report" option.	

Reports and Analytics

accurately

3. Apply filters such as date range, driver, or vehicle.

on the selected filters.

4. Generate the report.

1. Go to the "Reports and Analytics" section.

Test if expense reports include all relevant data

2. Select the "Expense Report" option.

The report should include all expenses within the selected filters and display totals accurately.

3. Apply filters such as date range and category.

4. Generate the report.

1. Go to the "Reports and Analytics" section.

Verify that driver performance reports are displayed correctly

2. Select the "Driver Performance Report" option.

The report should display accurate driver performance metrics based on the selected filters.

3. Apply filters such as driver name or time period.

4. Generate the report.



Check if reports can be exported to PDF and Excel formats

1. Generate a report (e.g., trip or expense report).
2. Select the "Export" option.
3. Choose PDF or Excel format.
4. Save the file and open it to verify formatting.

The report should be exported successfully and retain proper formatting in both PDF and Excel formats.

Verify that invalid filter combinations are handled gracefully

1. Go to the "Reports and Analytics" section.
2. Apply conflicting filters (e.g., selecting a driver not assigned to any trips in the selected date range).
3. Generate the report.

The system should display a message indicating no data available for the selected filters without crashing.