

Vehicles: Your Central Hub for Fleet Management

1. Executive Summary

Managing a fleet of vehicles efficiently is crucial for any operation. This report introduces the **Vehicles** module, your central control panel for all vehicle-related data. Designed for clarity and ease of use, this module empowers you to effortlessly add, update, organize, and monitor your entire fleet. You'll gain instant insights into vehicle status, performance, and compliance, ensuring smoother operations, reduced downtime, and improved decision-making. Forget scattered information and manual tracking—the Vehicles module consolidates everything you need into one accessible, user-friendly system.

2. Introduction

In today's fast-paced environment, keeping track of your vehicles, their types, and how they are grouped can be a significant challenge. Without a clear and centralized system, you might face issues like outdated records, difficulty locating specific vehicles, or delays in generating crucial operational reports.

The **Vehicles** module addresses these pain points directly. Its purpose is to provide you with a robust, easy-to-use platform to manage all aspects of your fleet's master data. Think of it as your digital garage and administrative office rolled into one. Here, you define and maintain the foundational information for every vehicle, which then powers all other tracking, reporting, and management functions across the system.

Key Terms Defined:

- **Master Data:** This is the core, unchanging information about your fleet (like vehicle models, types, and groups) that ensures consistent operations, accurate tracking, and reliable reports.
- **Geofence Area:** A virtual boundary you define on a map. When a vehicle enters or exits this area, the system can automatically trigger alerts or generate reports, helping you monitor movement and enhance security.
- **Cron Job:** An automated scheduled task that runs regularly in the background (e.g., daily, weekly) to perform routine operations like generating reports or checking for over-speeding incidents, ensuring data is always up-to-date without manual intervention.

3. Main Content (User-Focused Sections)

What This Means for You

The Vehicles module offers powerful benefits that simplify your daily tasks and enhance your overall fleet management:

- **Centralized Control:** All vehicle information, from registration details to assigned groups, is stored in one easy-to-access location.
- **Accurate Records:** Maintain up-to-date and consistent data for every vehicle, minimizing errors and ensuring reliability.
- **Streamlined Operations:** Quickly add new vehicles, update existing details, or remove old entries with a few clicks.
- **Better Organization:** Group vehicles by type or purpose, making it easier to manage large fleets and apply specific rules or reports.
- **Proactive Monitoring:** Generate detailed reports on vehicle activity, such as ignition times, idle periods, speeding incidents, and upcoming registration or tax expiries, helping you stay ahead.
- **Enhanced Security:** Monitor vehicle locations, geofence entries/exits, and even driver behavior for improved safety and compliance.
- **Effortless Reporting:** Access a wide range of pre-configured reports, or filter existing views, to get the insights you need instantly.

How It Works

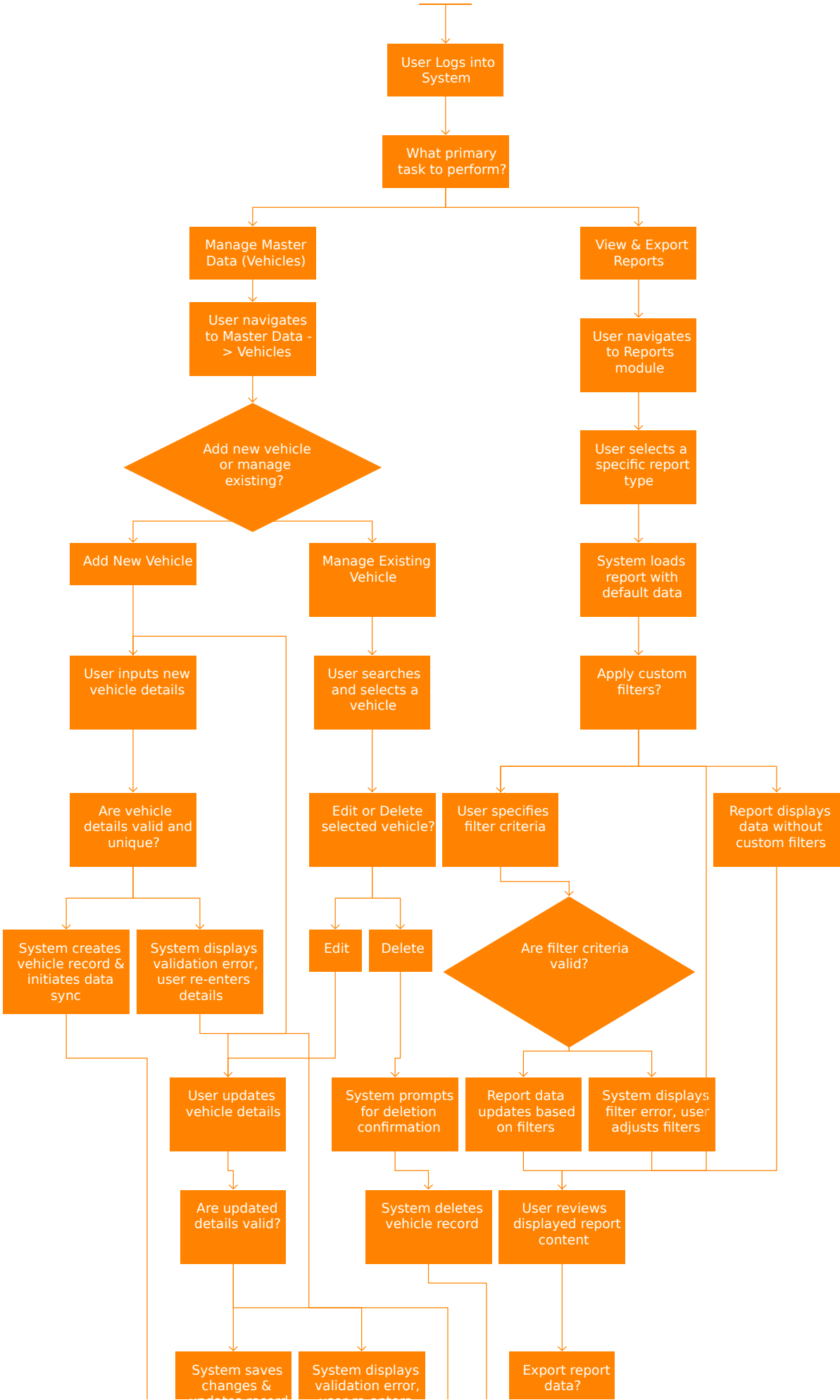
The Vehicles module functions as the core repository for your fleet information. It allows you to build a comprehensive database of your assets and then leverage that data for various operational needs.

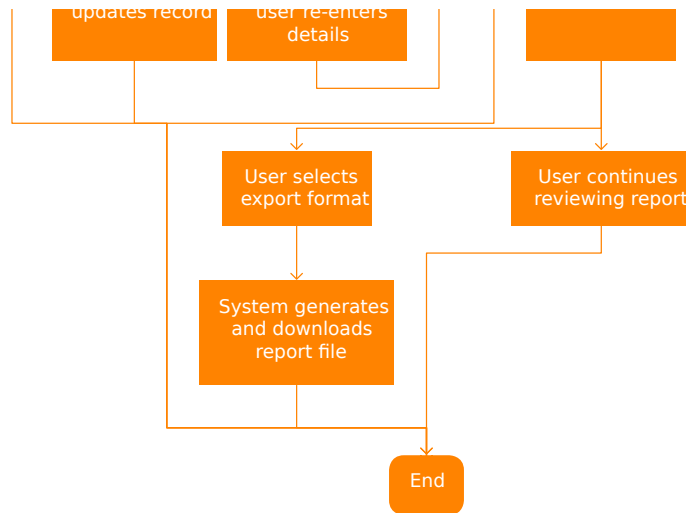
Here's a simplified overview of the workflow, as illustrated in the flowchart below:



Vehicles Submodule Flowchart

Start





1. **Add/Manage Vehicles:** You start by adding individual vehicles with their unique details. These vehicles can then be edited or removed as needed.
2. **Define Vehicle Categories:** To help organize your fleet, you can create and manage "Vehicle Types" (e.g., Car, Truck, Bus) and "Vehicle Groups" (e.g., Delivery Fleet A, Long-Haul Trucks).
3. **Synchronize Data:** When you add or update vehicle information, the system ensures this data is synchronized across all connected modules, keeping reports and real-time tracking accurate. You can also initiate manual sync requests if necessary.
4. **View and Report:** Once your vehicles are set up, you can access various "View" pages to see overall fleet status (online/offline, overview), detailed information for individual vehicles, or lists of vehicle groups. The system also generates a wide array of reports based on this master data.

Getting Started

Follow these steps to begin managing your vehicles:

1. **Log In:** Access the application with your valid user credentials.
2. **Navigate to Vehicles:** From the main dashboard, go to the **Master Data** module and then select the **Vehicles** submodule.
3. **Add a New Vehicle:**
 - Click on the **" + Add Vehicle "** button.
 - Fill in all the required details, such as **Vehicle Number**, **Type**, **Model**, **Capacity**, and **Owner**.
 - Click **Save/Submit** to add the vehicle.
 - The system will confirm "Vehicle added successfully" and trigger a sync request to update other parts of the system.
4. **Add a New Vehicle Type:**
 - Click on the **"Vehicle Type"** tab within the Vehicles submodule.
 - Click the **" + Add Vehicle Type "** button.
 - Enter the details for the new vehicle type and **Submit**.
5. **Add a New Vehicle Group:**
 - Click on the **"Vehicle Group"** tab within the Vehicles submodule.
 - Click the **" + Add Vehicle Group "** button.
 - Fill in the required details like **Group Name** and **Group Manager**, then **Submit**.

6. Initiate a Vehicle Sync Request (if needed):

- Click on the **"Sync"** tab within the Vehicles submodule.
- Click the **" +New Sync Request"** button.
- Provide the necessary information (e.g., which vehicle to sync) and **Submit** the request.

Key Features You'll Use

- **Vehicle Management (Add/Edit/Delete):** Easily maintain your fleet by adding new vehicles, updating their details, or removing them when no longer needed. This includes modifying individual vehicle attributes like vehicle number, type, model, and owner information.
- **Vehicle Type Management:** Categorize your vehicles into types (e.g., Sedan, SUV, Van) to better organize your fleet and apply specific rules or reports based on these categories. You can add new types and edit existing ones.
- **Vehicle Group Management:** Create logical groups for your vehicles (e.g., "City Delivery," "Long Haul," "Service Team A") to simplify management and reporting for specific operational segments. You can add, edit, and delete groups.
- **Real-time Vehicle Status:** View an overview of your fleet, distinguishing between "Online" vehicles (actively reporting location data) and "Offline" vehicles (no current GPS signal or device turned off). You can also see vehicles that are "Untracked or Not Tracked Yet."
- **Detailed Vehicle Information:** Access comprehensive details for any vehicle, including its current position, assigned employees, trip details, tracking device information, configuration settings, and important documents (Registration Certificate, Insurance Copy, Pollution Certificate).
- **Vehicle Data Synchronization:** Ensure that all vehicle data is consistent across the entire system. The Sync tab allows you to initiate manual sync requests and view the status of synchronization processes.
- **Comprehensive Reporting:** The system offers a suite of reports in the "Reports" module, leveraging your Master Data:
 - **Vehicle Geofence Report:** Track vehicles entering, exiting, or staying within defined virtual boundaries, including driver details and duration.
 - **Tax Expiry Report:** Monitor upcoming and expired tax dates for all vehicles, with options to filter and export data.
 - **Registration Expiry Report:** Keep track of vehicle registration renewal dates to ensure compliance and avoid penalties.
 - **Tracking Device & SIM Card Details Report:** View information about the tracking hardware and SIM cards installed in your vehicles.
 - **Live Vehicle Location Report:** See real-time location, speed, ignition status, and parking duration for all active vehicles.
 - **Vehicle Running Summary Report:** Get aggregated data on actual duty time, average speed, max speed, running time, and idle time for your fleet.
 - **Vehicle Stoppage Report:** Identify and analyze vehicle stoppage events, including duration and location.
 - **Vehicle Speed Report:** Monitor vehicle speeds over time, including dynamic graphs that update based on your selections.
 - **Vehicle Location Signal Report:** Check GPS and GSM signal strength, latitude, longitude, metering status, power status, and seat belt status.
 - **Vehicle Activity History Report:** Review past trips, stops, distances, and durations for any vehicle.
 - **Vehicle Count and Seat Capacity Report:** Get insights into your fleet's total vehicle count and seat capacity, often visualized with graphs.
 - **Vehicle Idle Report:** Analyze how long vehicles have been idling, including location and duration details.

- **Vehicle Ignition Summary Report:** Review key ignition events, including start and end times, locations, and related performance data.
- **Vehicle First & Last Ignition Report:** Pinpoint the exact first and last ignition times for any vehicle within a selected period, showing its full path.

Common Scenarios

Here are some practical ways you'll use the Vehicles module:

- **Onboarding a New Vehicle:** When you acquire a new vehicle, you'll use the "Add Vehicle" form to enter its unique identification number, select its type (e.g., "Bus"), assign a model, capacity, and owner. This ensures it immediately becomes part of your tracked fleet.
- **Organizing Your Fleet:** If you have different types of operations, you might create "Vehicle Types" like "Passenger Van" and "Cargo Truck." Then, for specific tasks, you can create "Vehicle Groups" such as "Airport Shuttles" or "Inter-city Deliveries," making it easier to manage vehicles by their role.
- **Checking Vehicle Status:** At a glance, you can go to the "Vehicles Overview" or "Offline Vehicles" section to see which vehicles are currently online and actively reporting data, or which ones might have lost connectivity, allowing for quick response.
- **Monitoring Driver Behavior:** By looking at the "Vehicle Speed Report" or "Over-speeding Report," you can identify if a driver exceeded speed limits in specific zones (e.g., "140 mph" on a highway vs. a lower limit in a residential area). The system will flag these incidents with geo-location and driver details.
- **Planning Maintenance Proactively:** The "Tax Expiry Report" and "Registration Expiry Report" will show you vehicles with upcoming deadlines. This allows you to schedule renewals well in advance, avoiding penalties and ensuring compliance.
- **Analyzing Fuel Efficiency & Usage:** The "Vehicle Running Summary Report" provides insights into "Actual Running Time," "Idle Time," and "Distance" covered, helping you optimize routes and reduce fuel consumption. For example, you can see if a vehicle was "2 hrs 30 mins" idle, indicating potential efficiency improvements.
- **Investigating Past Events:** If you need to understand where a vehicle was during a specific time, the "First & Last Ignition Report" can show its exact path, start/end times, and all stops during that period, for example, for a "2-hour" trip.

What to Expect

After successfully using the Vehicles module:

- **Adding a Vehicle:** You will see a clear confirmation message like "Vehicle added successfully," and the new vehicle will immediately appear in your main vehicle list with all its correct details. A background sync request will ensure this data is updated across all connected reports and dashboards.
- **Updating Details:** When you edit a vehicle or vehicle group, the changes will be applied instantly, and the updated information will be reflected in all relevant reports and views. For example, if you change a vehicle's type, its tracking information will correctly show the new type.
- **Deleting an Entry:** Upon deleting a vehicle or group, you'll receive a confirmation, and the entry will be permanently removed from the system. If you try to delete data that is still actively used (e.g., a vehicle with ongoing trips), the system may prevent deletion or prompt you for confirmation, ensuring data integrity.
- **Viewing Reports:** Reports will load quickly, displaying accurate and dynamically updated data. For instance, the "Vehicle Speed Report" graph will update in real-time as you select different vehicles. If no data is available for a selected period (e.g., no speed data), an appropriate message like "No data available" will be shown, not an error.
- **Exporting Data:** When you export a report (e.g., to PDF or Excel), the file will download successfully and open without errors, presenting data in a clear, correctly formatted layout with accurate column headers. You will need to export PDF and Excel files separately, not simultaneously.
- **Synchronized Information:** Critical data like current date and time, vehicle names, and sync request statuses will be accurately synchronized across all app modules and devices, ensuring consistent and reliable information.

Business Rules & Constraints

The system operates with several automated processes and important rules to ensure data integrity, security, and performance:

- **IMEI Uniqueness:** When registering a vehicle, the system strictly enforces valid and **unique IMEI numbers**. If a duplicate IMEI is detected, the system will prevent registration by logging an error or displaying a warning message, ensuring each tracking device is uniquely identified.
- **Registration Number Immutability:** Once a vehicle's primary registration number is submitted, it **cannot be edited directly** through the user interface. Other details can be updated, but for registration number corrections, administrator assistance might be required to maintain audit trails and prevent misuse.
- **Report Generation (Cron Jobs):** Many reports, such as **Vehicle Ignition Weekly**, **Maximum Speed Monitoring**, **Vehicle Run Customer**, **History Priority Vehicle Activity**, **Activity Vehicle**, and **Summary Vehicle Activity**, are generated by automated scheduled tasks (cron jobs).
 - **Robust Error Handling:** If an export service fails during report generation, the system logs the error, alerts the admin, and continues running without crashing.
 - **Scalability:** These cron jobs are designed to process large fleets (e.g., thousands of vehicles) efficiently, completing within expected time limits without performance degradation.
 - **Data Handling:** Even vehicles with zero activity or very short trips (less than one minute) are included in reports, ensuring no data is overlooked. Empty reports gracefully display "No data found" or "No activity available."
 - **Time Zone Management:** The system automatically converts GPS logs and timestamps to local time or clearly marks them to avoid confusion when dealing with vehicles across different time zones.
 - **Access Control:** Access to these reports and their underlying data is restricted to authorized users only. Unauthorized access attempts are blocked and logged for security.
 - **Over-Speeding Monitoring:** A scheduled process continuously reviews vehicle speed data against defined speed limits (including zone-specific limits like highway vs. residential) and flags any instances of over-speeding. It includes driver information and geo-location for each violation.
 - **Data Integrity:** The system ensures that processed data (e.g., vehicle run times, mileage for customers) is correctly split and associated, preventing duplication or incorrect attribution, even for shared assets or across multiple days.
 - **Alerting:** Automated alerts are triggered for significant events like exceeding usage limits or geofence violations, with notifications sent to dashboards or via email.

4. Visual Elements & Supporting Information

Add Vehicle Page

The "Add Vehicle" page is where you input all the foundational information for a new vehicle in your fleet.

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100 Vehicles Online

Add Vehicle

Vehicle Information

Tracking Device

Temperature Sensor

Validity Informations

Vehicle Geo-fence

Vehicle Number/Name *

Enter Vehicle Name/Number...

Registration Number *

Enter Registration Number...

Vehicle Category *

Existing ☐ New ☐

Select Vehicle Category...

Vehicle Capacity *

Goods ☐ Passenger ☐

Select Vehicle Capacity...

Model Name & Number

Enter Model Name & Number...

Make Year

10/20/2025

Chassis Number or VIN number

Enter Number or VIN number ...

Engine Number

Enter Engine Number ...

Registration Certificate

No file chosen

Insurance Copy

No file chosen

Pollution Certificate

No file chosen

Fuel Type

Select Fuel Type...

▼

Odometer Reading Cart

Driver

Field Validation Table: Add Vehicle

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Vehicle Number	Yes	Text	String	Varies	Yes	Unique identifier for the vehicle
Vehicle Type	Yes	Dropdown	String	Varies	Yes	Category of the vehicle (e.g., Car, Truck, Bus)
Vehicle Model	Yes	Text	String	Varies	Yes	Model name of the vehicle
Vehicle Capacity	Yes	Number	Integer	Varies	Yes	Number of passengers or cargo weight limits
Owner	Yes	Dropdown	String	Varies	Yes	The registered owner or assigned entity

Delete Vehicle Confirmation

This page is displayed when you initiate the removal of a vehicle from your system. It typically asks for confirmation to prevent accidental deletions.

>>

100 Vehicles Online

Vehicle

Vehicle Category

Vehicle Group

Sync

Hardware Feature-Set

+ Add Vehicle

All

Online

Offline

Untracked/Not Tracked Yet

Vehicle Number

Vehicle Type

Vehicle Capacity

Vehicle Name

⋮

View

Edit

Delete

Vehicle Number

MH-12-5022

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Honda Bike

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Mercedes Bus

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Mercedes Bus

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Showing 1 - 10 of 200

(No input forms are present on this page for adding or editing data.)

Edit Vehicle Page

The "Edit Vehicle" page allows you to modify existing details for a selected vehicle.

>>

100 Vehicles Online

Vehicle

Vehicle Category

Vehicle Group

Sync

Hardware Feature-Set

+ Add Vehicle

All

Online

Offline

Untracked/Not Tracked Yet

Vehicle Number

Vehicle Type

Vehicle Capacity

Vehicle Name

⋮

View

Edit

Delete

Vehicle Number

MH-12-5022

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Honda Bike

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Mercedes Bus

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Volvo Transport

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

Vehicle Capacity / Passenger

60

Vehicle Name

⋮

Vehicle Name

Mercedes Bus

Vehicle Number

MH-12-5022

Driver Name

Mr. John Doe

IMEI No.

12345678945612

Vehicle Type

Car

Transportation Type

Passenger

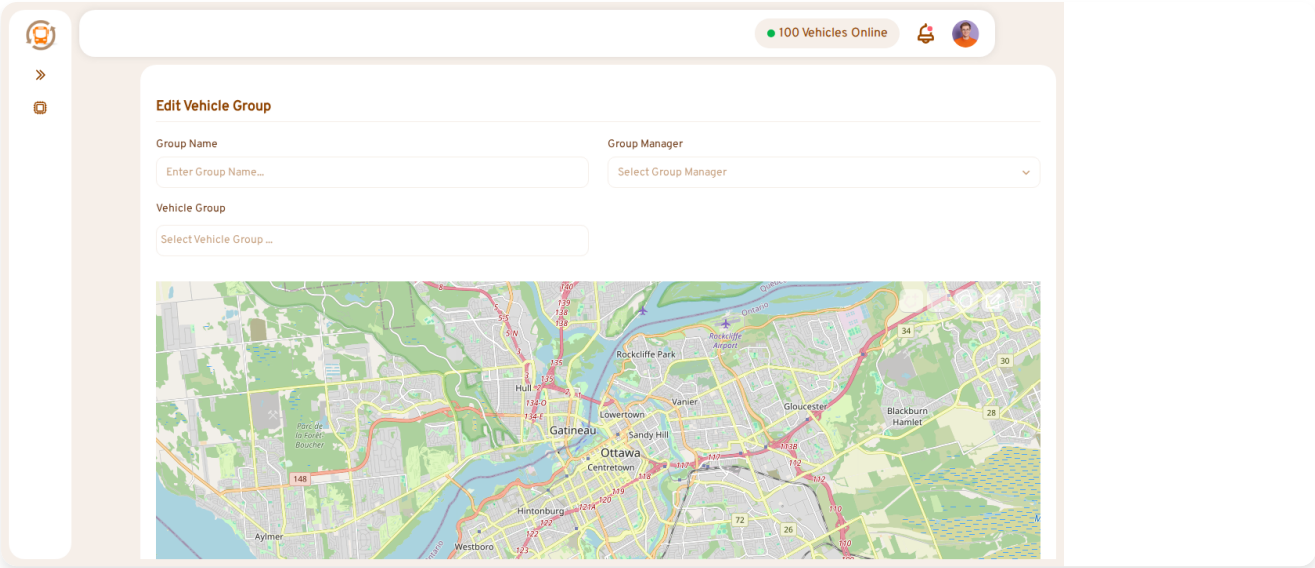
Vehicle Capacity / Passenger

60

Showing 1 - 10 of 200

Field Validation Table: Edit Vehicle

This page allows you to update the details of an existing vehicle group.

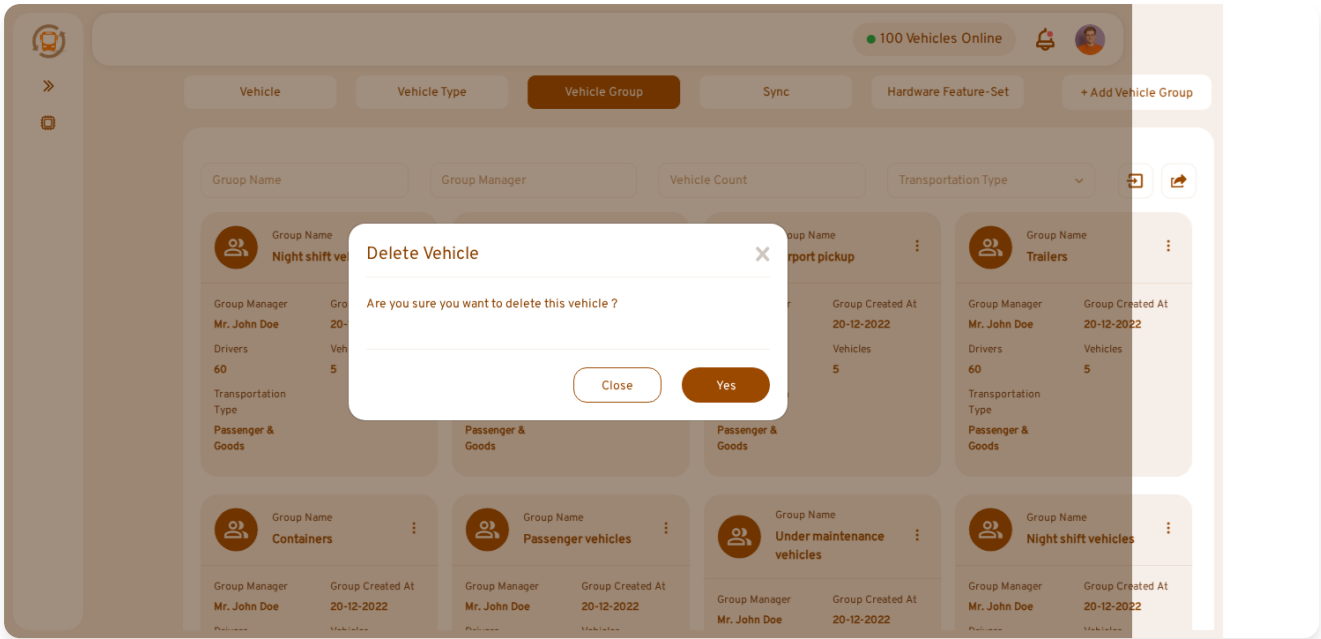


Field Validation Table: Edit Vehicle Group

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Group Name	Yes	Text	String	Varies	Yes	The name of the vehicle group
Group Manager	Yes	Dropdown	String	Varies	Yes	The assigned manager for this group of vehicles
Description	No	Text	String	Varies	Yes	A brief description of the vehicle group

Delete Vehicle Group Confirmation

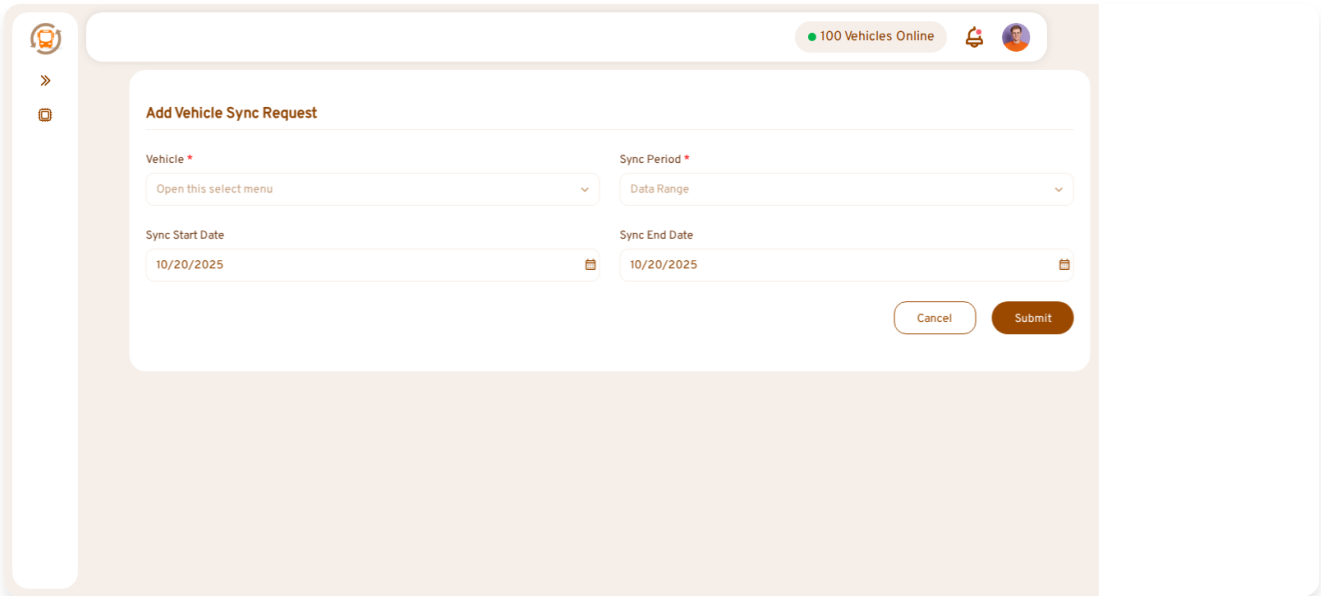
This page appears when you initiate the deletion of a vehicle group, requiring your confirmation.



(No input forms are present on this page for adding or editing data.)

Add Vehicle Sync Request Page

Use this page to create a new request to synchronize vehicle data within the system.



Field Validation Table: Add Vehicle Sync Request

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Sync Vehicle Name	Yes	Dropdown	String	Varies	Yes	The name of the vehicle to be synchronized
Sync Request Date	Yes	Date Picker	Date	DD-MM-YYYY	Yes	The date when the synchronization is requested
Sync Period	Yes	Dropdown	String	Varies	Yes	The period for which data needs to be synced
Sync Request Status	Yes	Dropdown	String	Varies	Yes	The current status of the sync request

Vehicle Overview Page

This page provides a high-level summary of your fleet, allowing you to search and filter vehicles based on various criteria. It helps you quickly understand the status and key attributes of your vehicles.

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100 Vehicles Online

General Information

Vehicle Category	Vehicle Number	Vehicle Registration Number	Chassis Number or VIN Number
Truck	MH-12-2023	1234567890	45678912301573
Vehicle Model Name & Number	Vehicle Model Make Year	Transportation Type	Vehicle Capacity
VX1,7705	2023	Passenger	4
Vehicle Fuel Type	Driver Name		
Petrol	Mr.John Doe		

Tracking Device Information

Device IMEI Number	Type of Driver	Sim Card Number	Sim Telephone Number
0123456789	Driver Console App	4567891230	6547

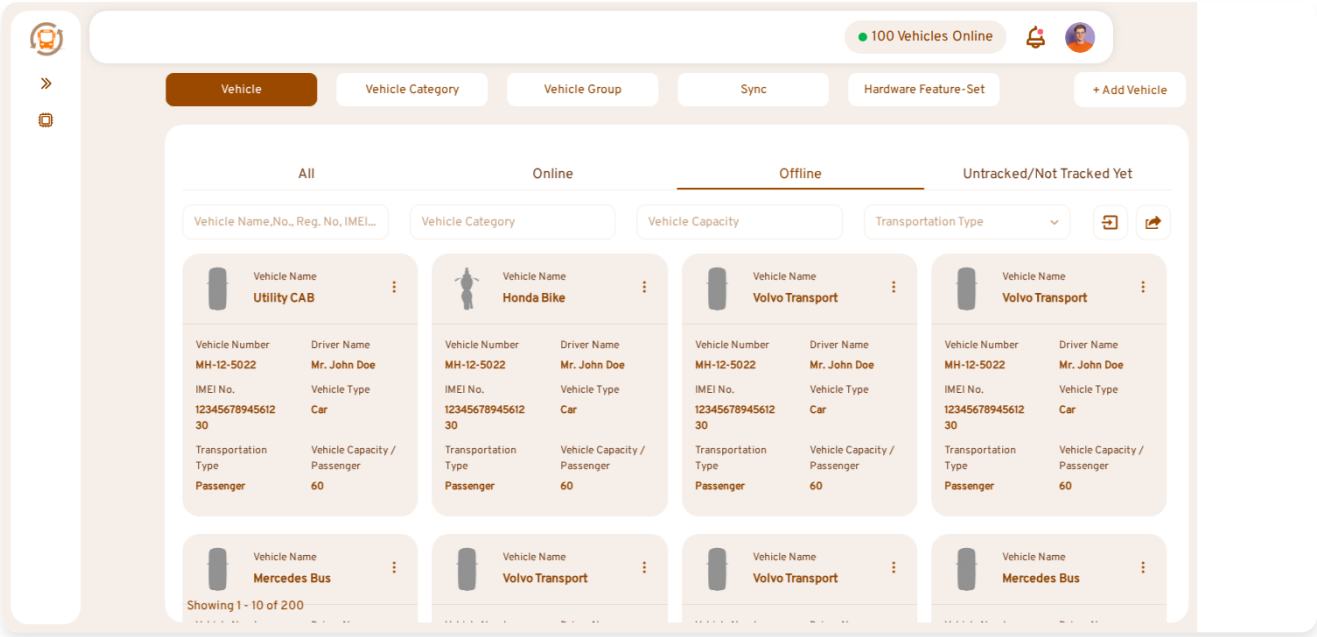
Additional Information

Field Validation Table: Vehicle Overview Filters

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Vehicle Capacity Search	No	Text	Number	Varies	Yes	Search for vehicles by their capacity (e.g., number of passengers)
Vehicle Category Name	No	Text	String	Varies	Yes	Search for vehicles by their category (e.g., "Car")
Seat Capacity Name	No	Text	String	Varies	Yes	Filter vehicles by their seating capacity name (e.g., "4-Seater")

Offline Vehicles List

This section shows you a list of all vehicles that are currently not reporting data (offline), along with their relevant details.



(No primary input forms are present on this page for adding or editing data; it mainly displays information and may have search/filter options similar to other view pages.)

Vehicle Details Page

This page offers an in-depth view of a specific vehicle, including its health status, current position, assigned personnel, trip details, and important documents.

(No primary input forms are present on this page for adding or editing data; it focuses on displaying comprehensive vehicle information.)

This page is where you define and add new categories for your vehicles, such as "Sedan," "Truck," or "Motorcycle."

Field Validation Table: Add Vehicle Type

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Vehicle Type Name	Yes	Text	String	Varies	Yes	The name of the new vehicle category
Description	No	Text	String	Varies	Yes	A brief description of this vehicle type

Add Vehicle Group Page

Use this page to create new groups to logically organize your fleet (e.g., by department, region, or purpose).



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100 Vehicles Online



Add Vehicle Group

Group Name

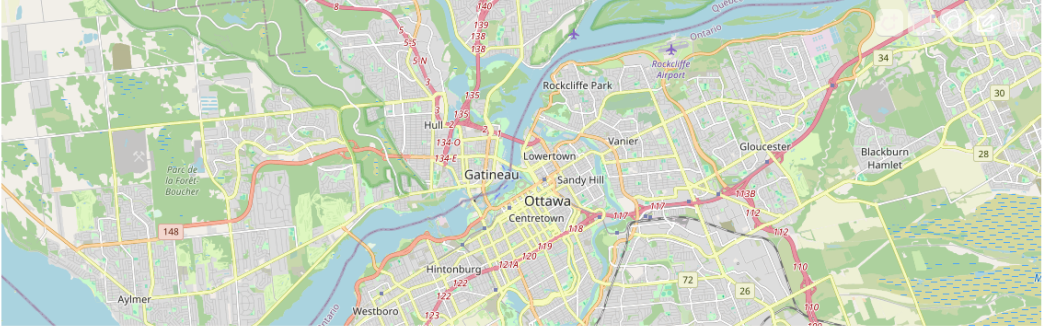
Enter Group Name...

Group Manager

Select Group Manager

Vehicle Group

Select Vehicle Group ...

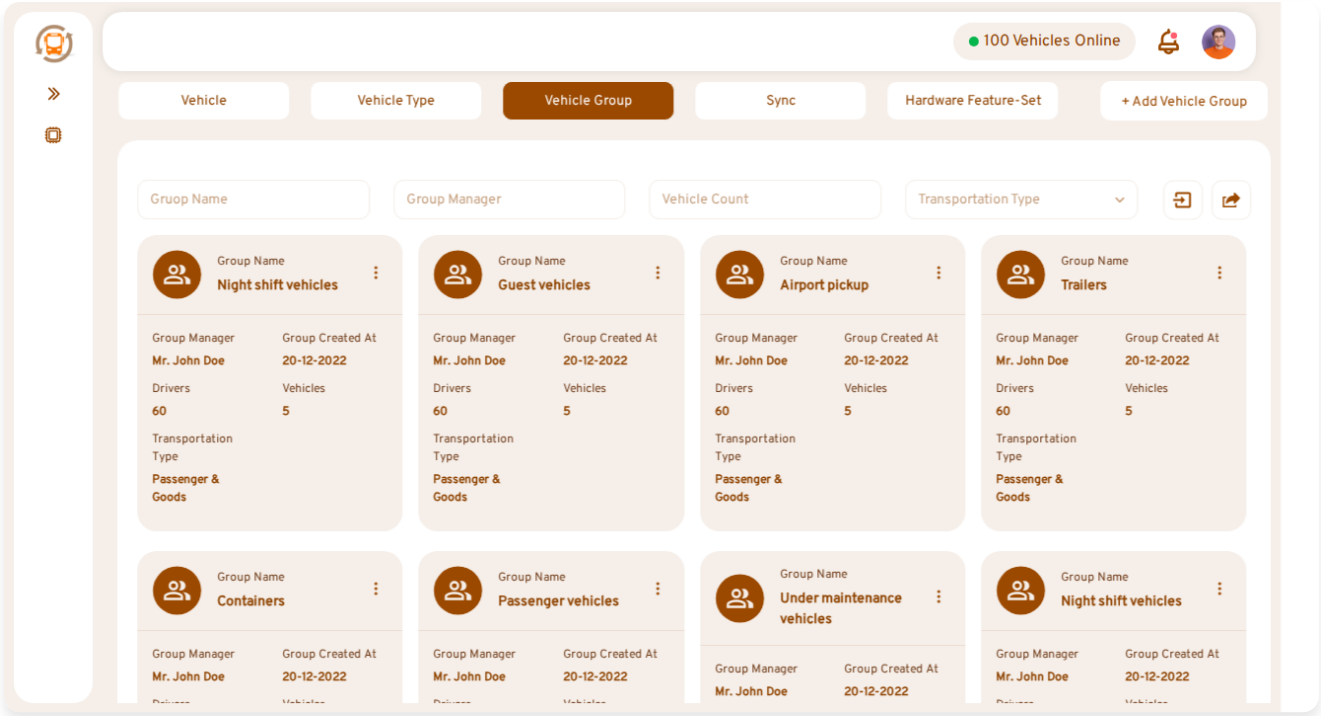


Field Validation Table: Add Vehicle Group

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Group Name	Yes	Text	String	Varies	Yes	The name of the new vehicle group
Group Manager	Yes	Dropdown	String	Varies	Yes	The assigned manager for this group of vehicles
Description	No	Text	String	Varies	Yes	A brief description of the new vehicle group

Vehicle Group List

This page displays a comprehensive list of all your defined vehicle groups, allowing you to manage and filter them.



Field Validation Table: Vehicle Group List Filters

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Group Name Search	No	Text	String	Varies	Yes	Search for vehicle groups by their name
Group Manager Search	No	Text	String	Varies	Yes	Search for vehicle groups by the assigned manager
Vehicles Count Search	No	Text	Number	Varies	Yes	Filter groups based on the number of vehicles they contain

Sync Tab Introduction

This section provides an overview of vehicle synchronization activities, allowing you to track the status of sync requests and filter sync data.

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100 Vehicles Online

Vehicle

Vehicle Type

Vehicle Group

Sync

Hardware Feature-Set

+ New Sync Request

Vehicle Number

Please Slect Request Sync Date

Sync Period

Sync Request Status

Vehicle Name
Utility CAB

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Honda Bike

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Volvo Transport

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Volvo Transport

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Mercedes Bus

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Volvo Transport

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Volvo Transport

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Vehicle Name
Mercedes Bus

Sync Request Date	Sync Request Time
12-02-2023	04:04:53 AM
Sync Period	Sync Request Status
Date Range	Pending
Sync Start Date	Sync End Date
12-02-2023	18-02-2023

Field Validation Table: Sync Tab Filters

Field Name	Mandatory	Field Type	Data Type	Field Size	Is Editable	Description
Sync Vehicle Name	No	Text	String	Varies	Yes	Search for sync requests by vehicle name
Sync Request Date	No	Date Picker	Date	DD-MM-YYYY	Yes	Filter sync requests by the date they were made
Sync Request Status	No	Text	String	Varies	Yes	Filter sync requests by their current status (e.g., "Completed")
Sync Period	No	Text	String	Varies	Yes	Filter sync requests by their defined sync period

5. Summary & Benefits

The Vehicles module is more than just a list of your fleet; it's a powerful tool designed to enhance every aspect of your vehicle management. By providing a single, consistent source of truth for all vehicle data, it eliminates manual effort, reduces errors, and ensures that every report, every alert, and every tracking update is based on accurate, real-time information.

With this module, you gain:

- **Unparalleled Clarity:** Instantly know the status, location, and key details of any vehicle.
- **Operational Efficiency:** Automate data synchronization and reporting, freeing up valuable time.

- **Proactive Decision Making:** Leverage rich data on vehicle performance, compliance, and activity to make informed choices that benefit your bottom line.
- **Complete Compliance:** Easily track and manage critical dates like tax and registration expiries, minimizing risks.

By embracing the Vehicles module, you are not just tracking vehicles; you are optimizing your entire operation for maximum performance, safety, and peace of mind.