

Car Rental Fleet & Revenue Technical Overview

Customer-facing technical overview of the Car Rental module: fleet master, bookings and contracts, supplier fleet management, toll attribution, fleet care, and analytics for utilization, revenue, maintenance, and finance.



Core Entities: Customers & Fleet



Customer Profile

Extended renting party profile
beyond generic Customer master



Customer

Accounts Receivable party



Vehicle

Fleet unit



Rental Driver

Driver linkage for chauffeur/self-drive policy



Vehicle Insurance Policy

Policy linkage and renewal tracking

Commercial: Bookings & Contracts



Rental Booking

Reservation or provisional demand funnel



Rental Contract

Executed assignment of vehicle and terms



Supplier Fleet Contract

Sub-hire and third-party sourcing agreements



Tolls & Road Charges

01

Toll Provider

Toll operator master

03

Toll Transaction

Raw swipe events and import

02

Toll Allocation Rule

Decide how toll charges apply to renters and contracts

04

Toll Invoice Line

Periodic billing lines per provider and policy

Fleet Care & Risk Management

Vehicle Maintenance Record

Workshop spend and uptime tracking

Vehicle Fuel Log

Energy telemetry and fuel economy monitoring

Vehicle Damage Report

Damage and incident dossier influencing liability KPIs



Finance Linkage

Available from workspace for revenue recognition discipline:



Sales Invoice



Payment Entry



Journal Entry



GL Account



Cost Center

End-to-End Business Flows



Fleet Readiness

Vehicles, insurance validity, and maintenance SLA



Demand to Cash

Booking to Contract to Invoice to Payment Entry



Toll Leakage Control

Toll transactions, allocation rules, cost summary invoicing, and pass-through billing



Loss Prevention

Damage report, liability exposure KPIs, and insurance claim trail



Partner Fleet Leverage

Supplier fleet contract linkage for overflow demand

Personas

Reservation Desk

Bookings and upsell tiers

Fleet Manager

Maintenance and insurance

Credit Control

Invoices and payment entry

Operations Finance

Tolls allocation and leakage

Risk / Legal

Damage exposure

Detailed Scenarios

- **Vehicle Onboarding Checklist**

Define Vehicle, active Vehicle Insurance Policy, and inspection baseline via damage report template

- **Quote-to-Drive**

Create Customer and enrich Customer Profile. Convert Rental Booking confirming dates and vehicle category to Rental Contract at handover capture

- **Toll Chargeback Policy**

Maintain Toll Provider integrations. Align Toll Allocation Rule. Review Toll Cost Summary

- **Planned Maintenance Blackout**

Raise Vehicle Maintenance Record tying vehicle downtime and reschedule bookings

- **Accident Handling**

Draft Vehicle Damage Report contemporaneously. Monitor Damage and Liability Exposure

- **Partner Overflow**

Leverage Supplier Fleet Contract to source supply when utilization spikes

Reports

Fleet & Utilization

- Fleet Utilization
- Revenue per Vehicle

Cost

- Maintenance Cost Analysis
- Toll Cost Summary
- Fuel and Energy Cost Summary

Demand & Contracts

- Rental Booking Pipeline
- Rental Contract Summary
- Damage and Liability Exposure

Finance

- Sales Register
- Customer Ledger
- General Ledger

Report linkage references in workspace cite base DocTypes—e.g., Fleet Utilization → Rental Contract