X-Car Rentals

Car Rental, Chauffeur & Fleet Management Platform

Product Documentation & Demonstration

Prepared by Senux Digital Solutions

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Executive Summary

X-Car Rentals is a complete, ready-to-launch platform for running a modern car-rental and mobility business. It combines a branded customer website, a powerful admin dashboard, customer / vendor / driver dashboards, a REST API and a native mobile app into one connected system — so a business can take bookings and payments online around the clock, manage its fleet and drivers, and grow multiple revenue streams from a single place.

This document presents the application module by module, using real screenshots captured from the running system, and explains the business value of each feature in plain language. It is intended for client demonstrations, sales presentations, software proposals, portfolio publication and investor meetings.

Application Overview

The platform serves five types of users — Administrators, Managers/Staff, Customers, Drivers and Fleet Owners — each with tools designed for their role. Customers browse and book vehicles online; staff manage everything from the dashboard; fleet owners earn from listed vehicles; and drivers manage their trips. Because every part shares one database in real time, a booking made on the website appears instantly in the admin panel and the mobile app.

Who it is for

- Car rental companies of any size
- Luxury / VIP and chauffeur services
- Airport-transfer and corporate transport providers
- Fleet owners and investors
- Dealerships and mobility startups

Business Benefits

Time savings

Bookings, quotes, availability checks and payment records happen automatically — work that used to take phone calls and paperwork now runs on its own.

Cost reduction

One platform replaces several separate tools, and avoids the very high cost of building custom software from scratch.

Revenue opportunities

Multiple income streams are built in: self-drive rentals, chauffeur services, airport transfers, corporate hire, a car-sales marketplace, and commissions on fleet-owner vehicles.

Better management

Live dashboards show bookings, payments and fleet status at a glance, so owners always know how the business is performing.

Better customer experience

A fast website, instant quotes, secure payment, in-app support and a mobile app turn first-time renters into repeat customers.

Technology Stack

- Backend: Laravel (PHP 8.3) with the Filament admin panel
- Authentication: Laravel Sanctum (API tokens) + session auth
- Access control: Spatie roles & permissions
- Database: MySQL (production) / SQLite (self-contained demo)
- Payments: Paystack (Flutterwave-ready)
- Images: Intervention Image
- Mobile: Flutter (Riverpod, Go Router, Firebase push)

Feature Overview

The platform includes the following modules, each documented in detail on the following pages:

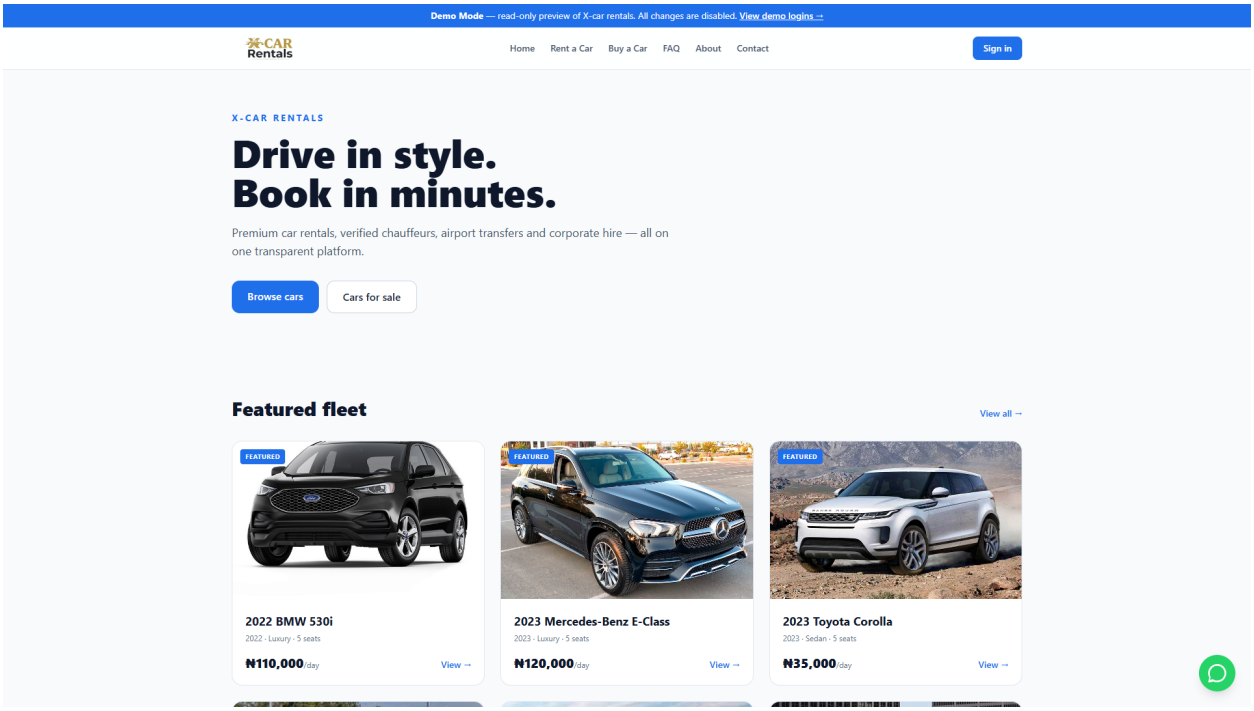
- Public Website
- Browse & Filter Cars
- Vehicle Details & Booking
- Vehicle Categories
- Car-Sales Marketplace
- FAQ & Help Centre
- Login & Demo Access
- Customer Dashboard
- Admin Dashboard
- Vehicle Management
- Bookings Management
- Payments & Transactions
- Users & Roles
- Fleet Vehicles & Payouts
- Promotions
- Marketplace Administration
- FAQ & Content Management
- Company Pages & Branding

Detailed Module Documentation

Each module below is shown with a real screenshot from the running application, followed by its purpose and key capabilities.

PUBLIC WEBSITE

A fast, branded website that turns visitors into paying customers.

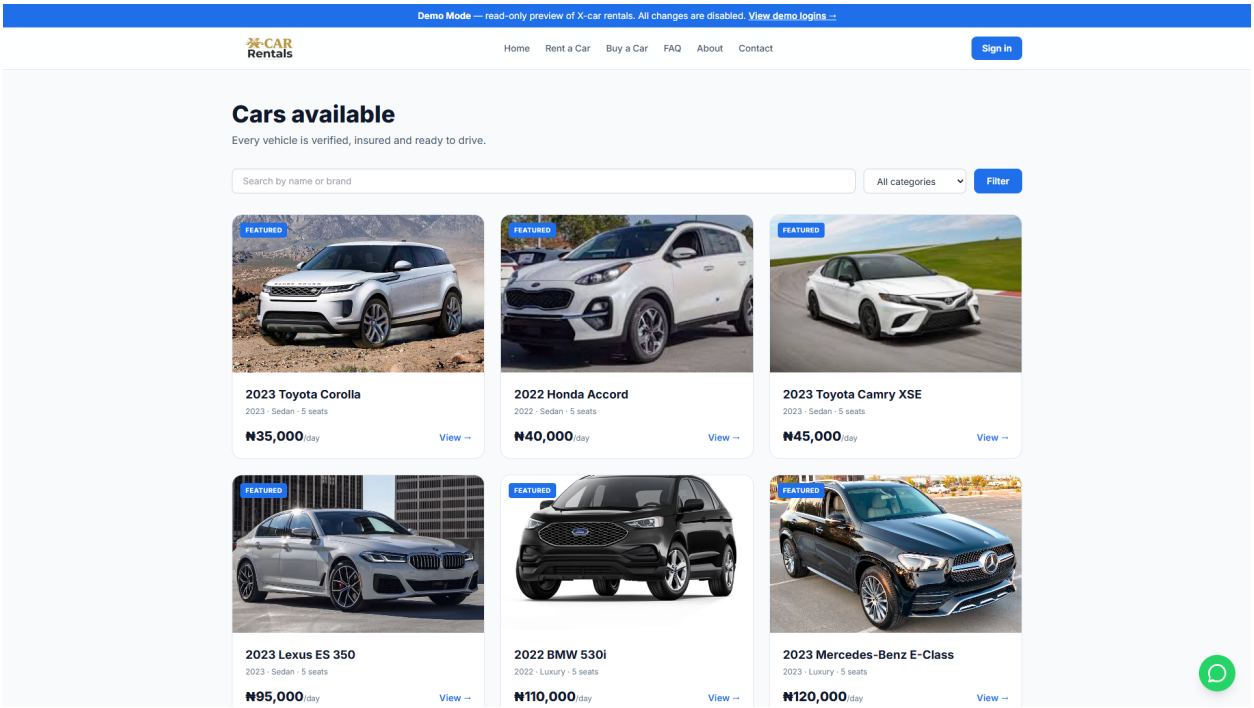


Key capabilities

- Striking homepage with featured fleet
- Quick access to booking and marketplace
- Fully brandable name, logo and colours
- Mobile-friendly and SEO-ready

BROWSE & FILTER CARS

Customers find the right vehicle in seconds.

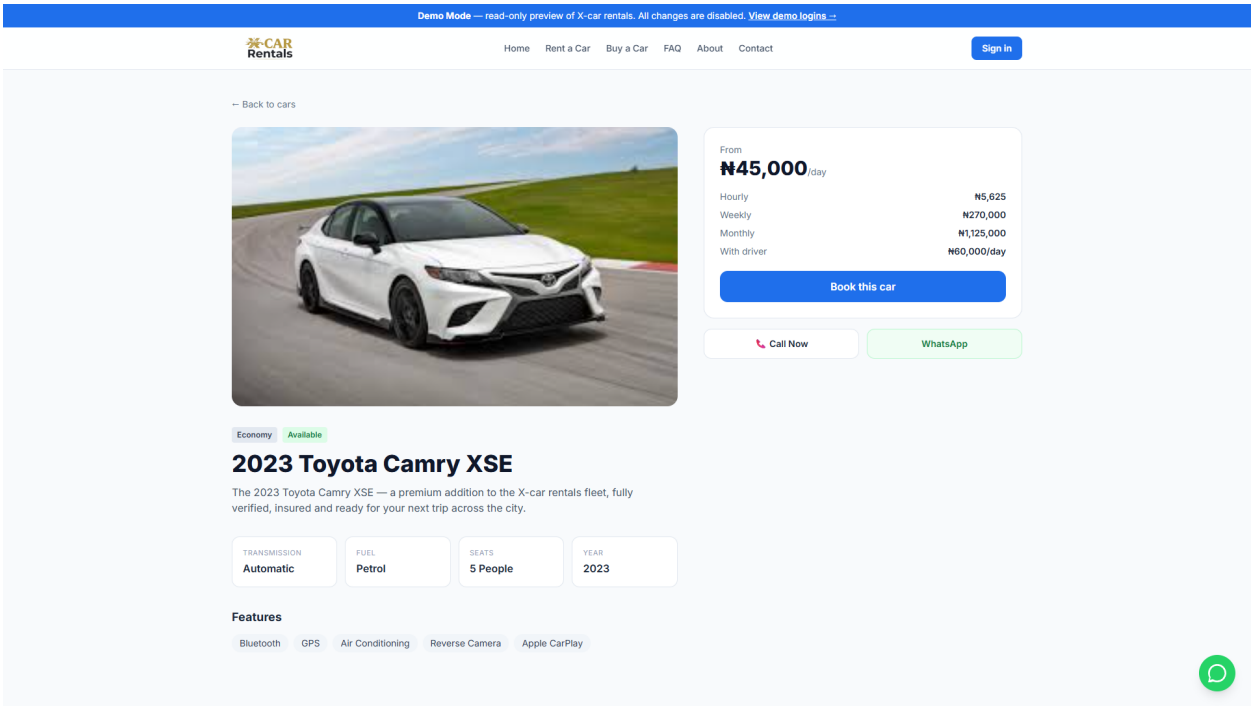


Key capabilities

- Search by name or brand
- Filter by category
- Clear pricing on every card
- Real vehicle photos

VEHICLE DETAILS & BOOKING

Everything a customer needs to book with confidence.

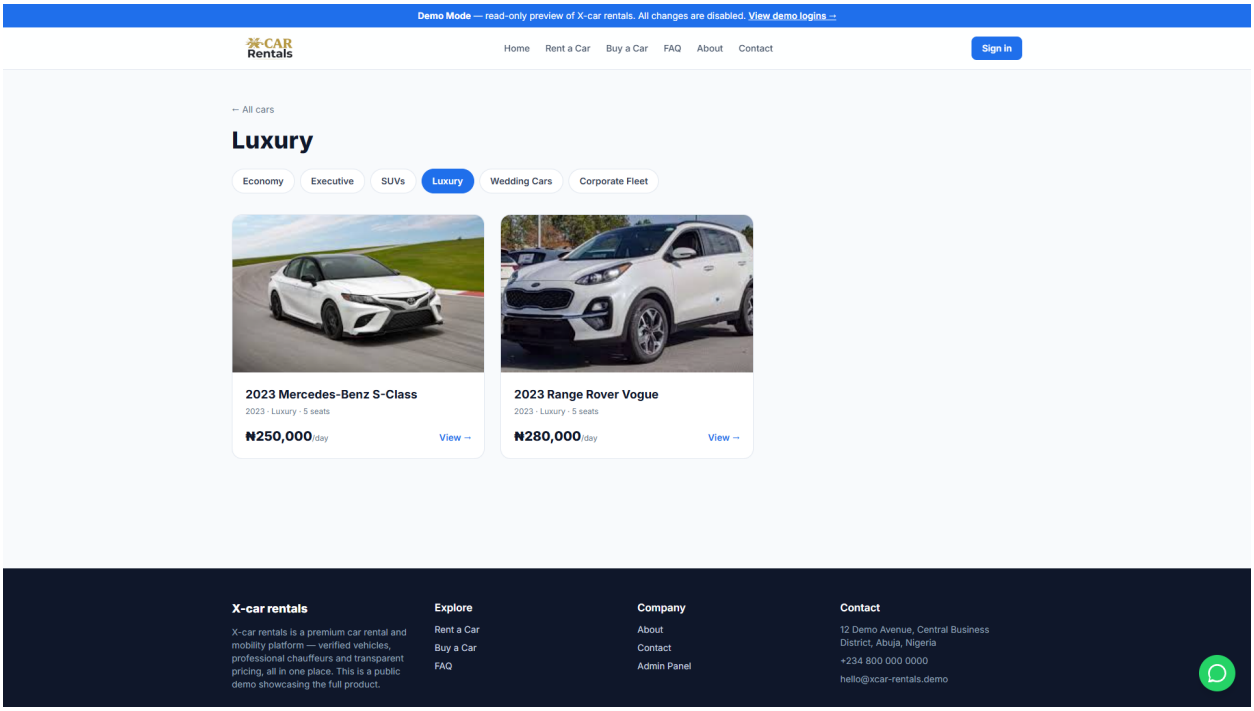


Key capabilities

- Photos, specs and transparent rates
- Self-drive or chauffeur options
- Instant Call and WhatsApp buttons
- One-tap booking

VEHICLE CATEGORIES

Dedicated pages for each type of vehicle.

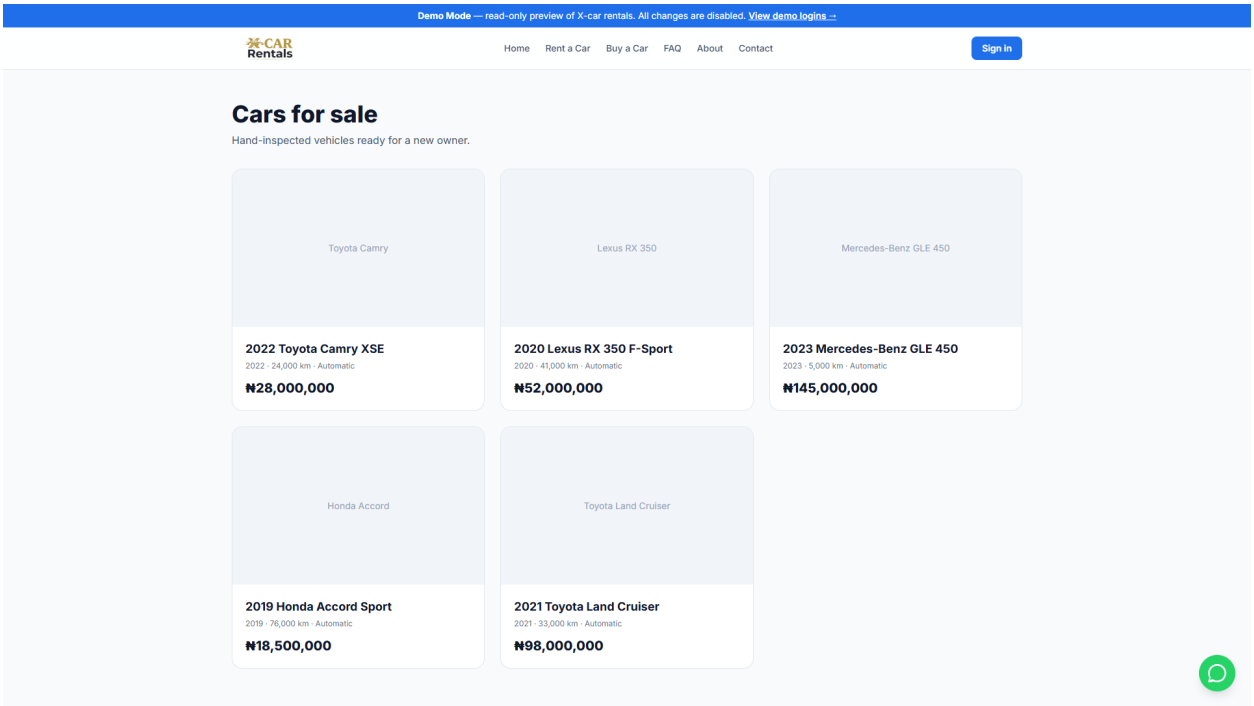


Key capabilities

- Economy, Executive, SUVs
- Luxury, Wedding, Corporate Fleet
- Each category its own page
- Helps customers browse by need

CAR-SALES MARKETPLACE

Sell vehicles online alongside rentals.

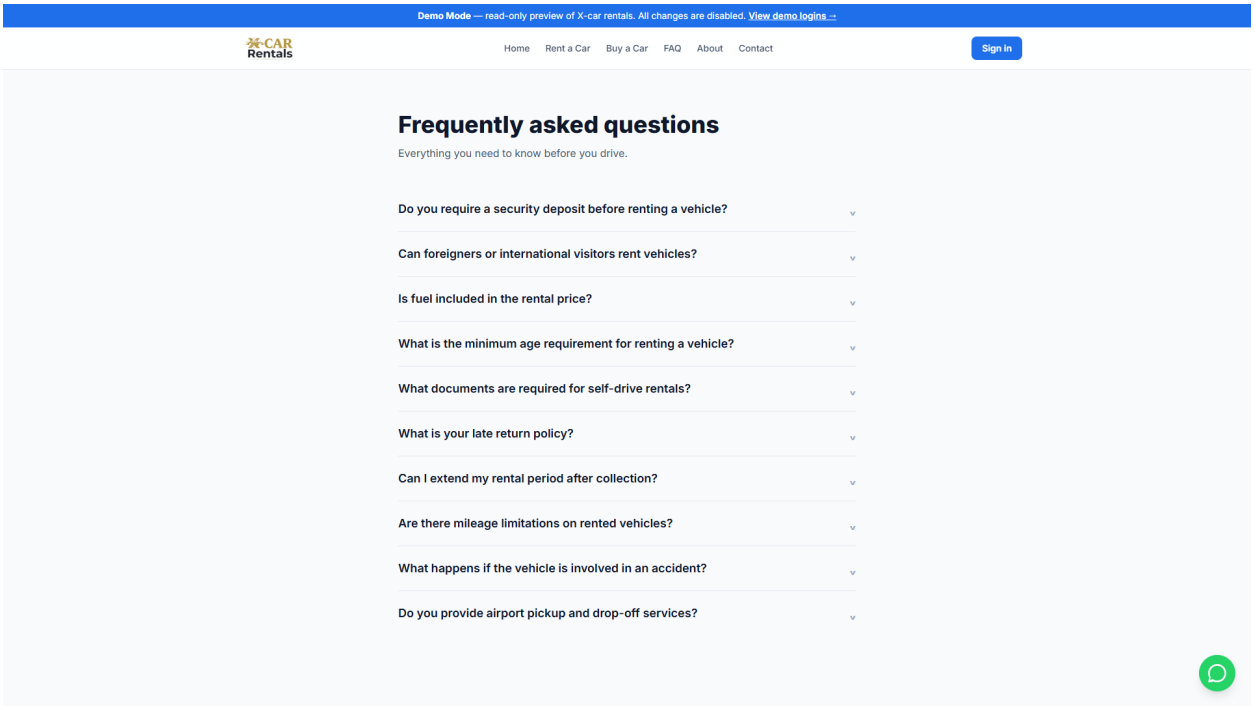


Key capabilities

- List cars for sale
- Capture buyer enquiries
- Extra revenue stream
- Same trusted platform

FAQ & HELP CENTRE

Answer common questions and reduce support load.

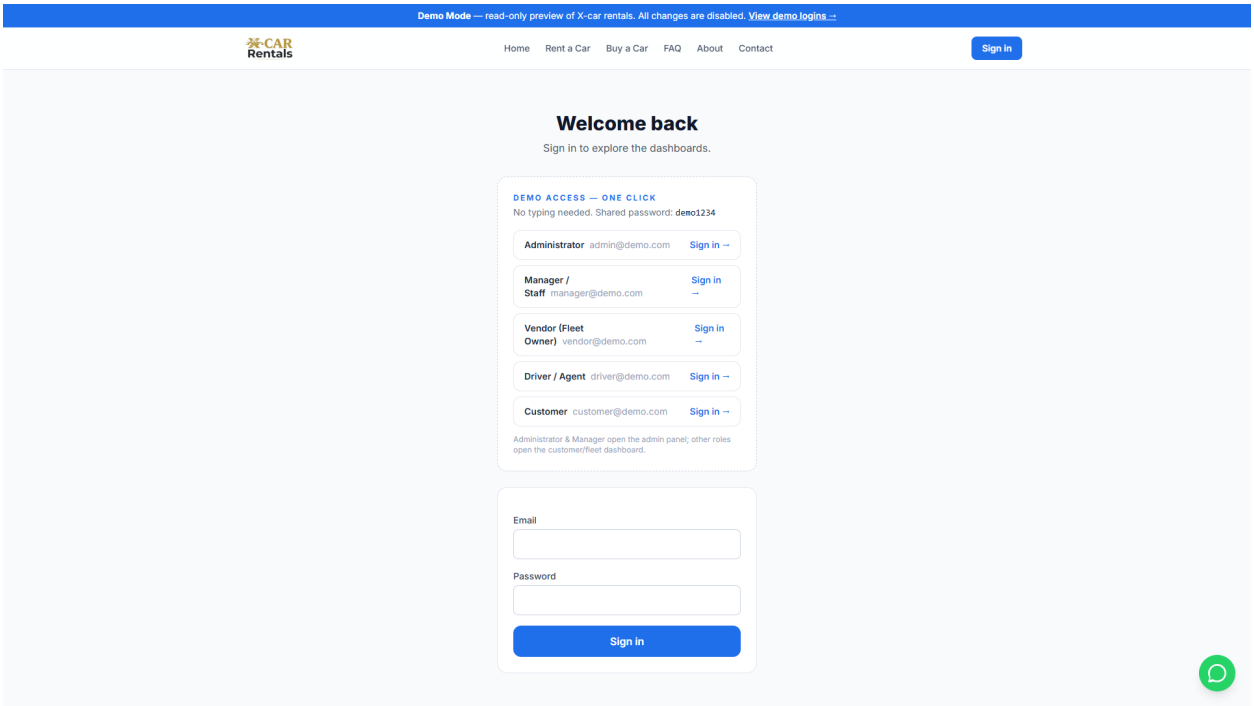


Key capabilities

- Clear, expandable answers
- Managed from the admin panel
- Builds customer trust
- Fewer repetitive enquiries

LOGIN & DEMO ACCESS

Secure sign-in with instant demo logins.

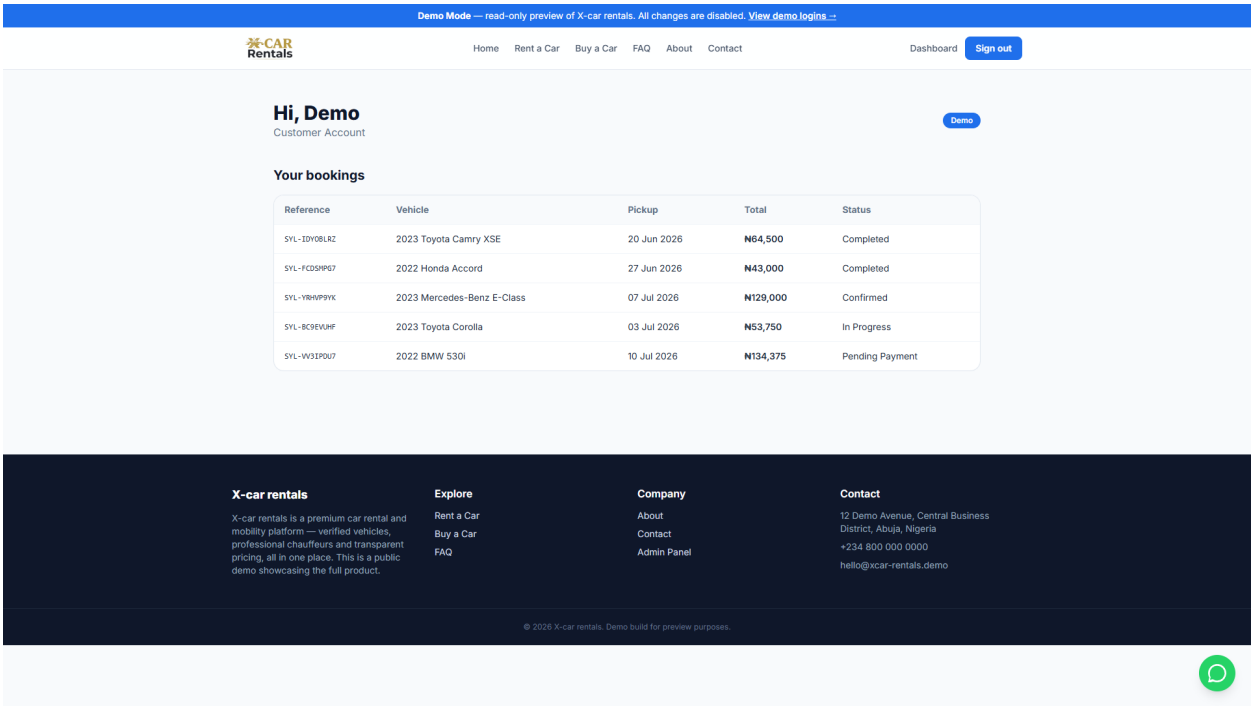


Key capabilities

- One-click login for every role
- Safe, read-only demo mode
- No production accounts exposed
- Great for showcases

CUSTOMER DASHBOARD

A personal area for every customer.

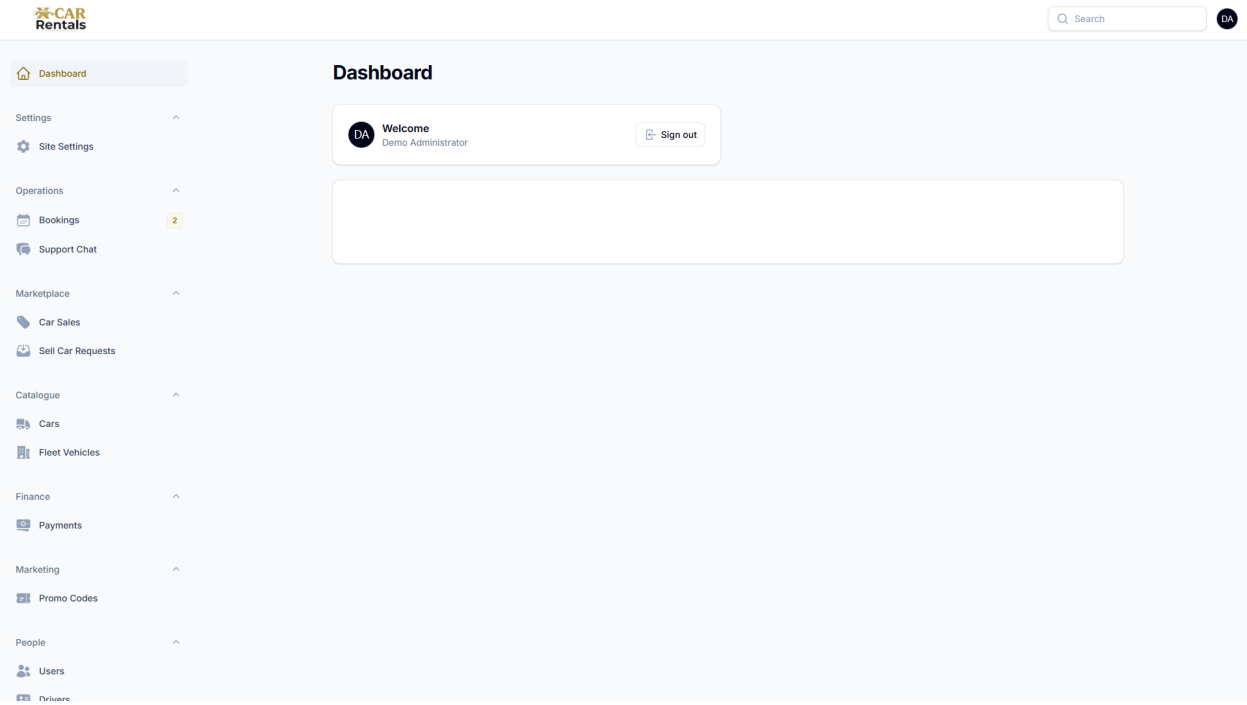


Key capabilities

- Booking history and status
- Profile management
- Wallet balance
- Self-service reduces support

ADMIN DASHBOARD

The control room of the business.

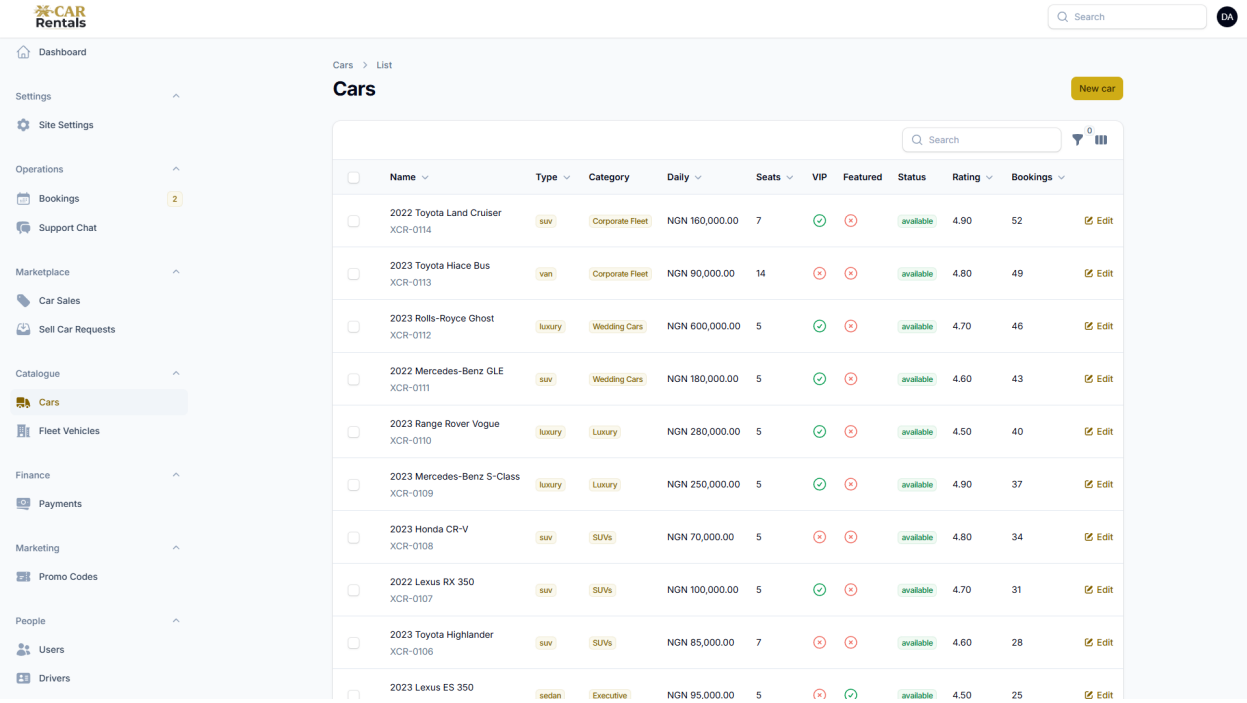


Key capabilities

- Clean, modern Filament panel
- Role-based navigation
- No technical skills required
- Everything in one place

VEHICLE MANAGEMENT

Manage the fleet with ease.

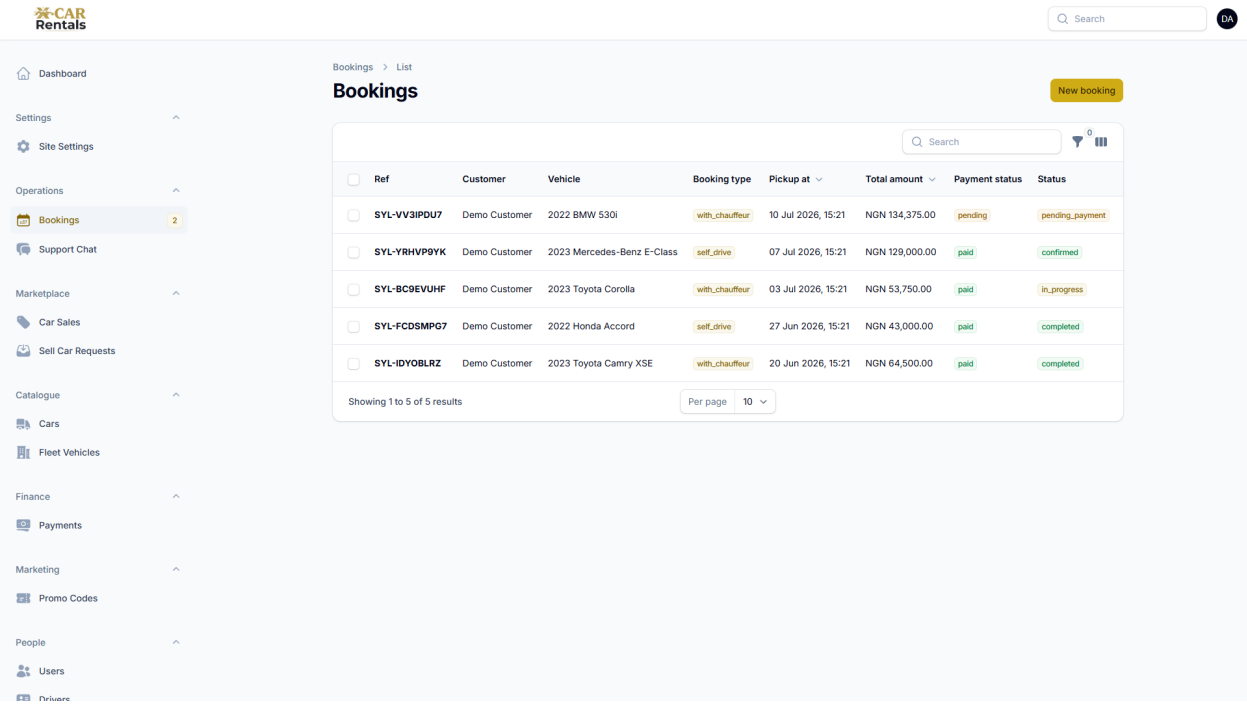


Key capabilities

- Add and edit vehicles
- Prices, photos and categories
- Per-vehicle contact numbers
- Instant updates to the website

BOOKINGS MANAGEMENT

Stay on top of every reservation.

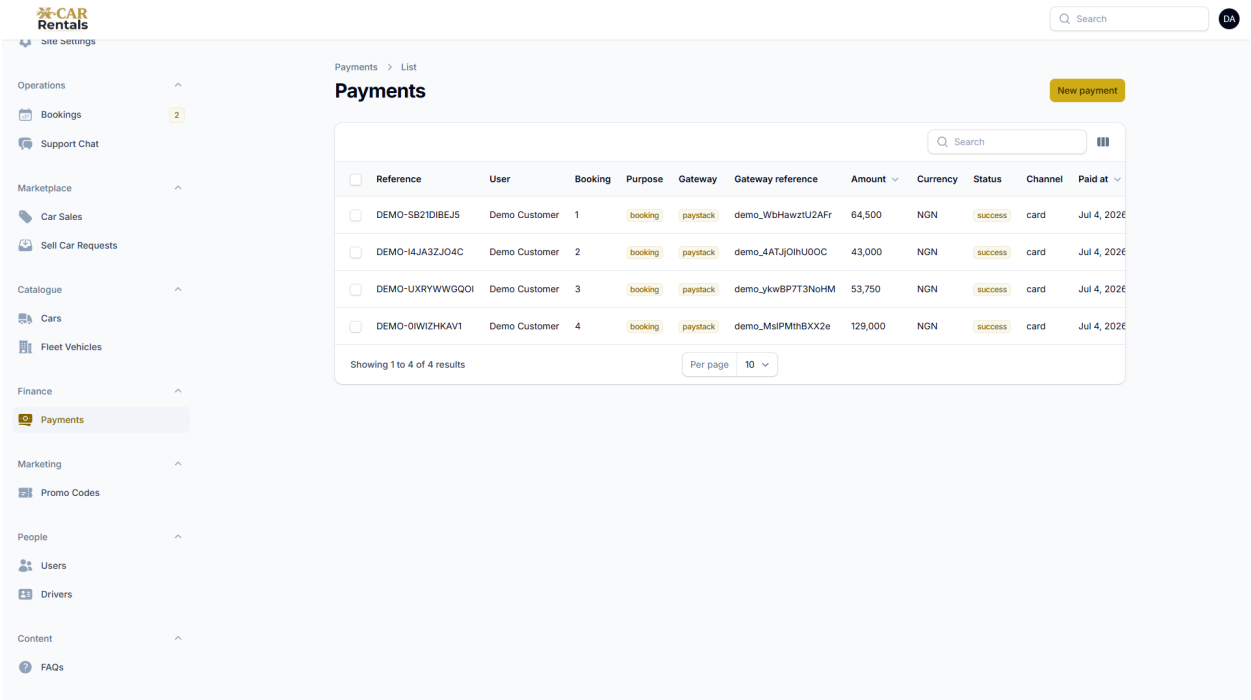


Key capabilities

- See all bookings and statuses
- Linked payments
- Assign drivers to trips
- From quote to completion

PAYMENTS & TRANSACTIONS

Track every naira with confidence.

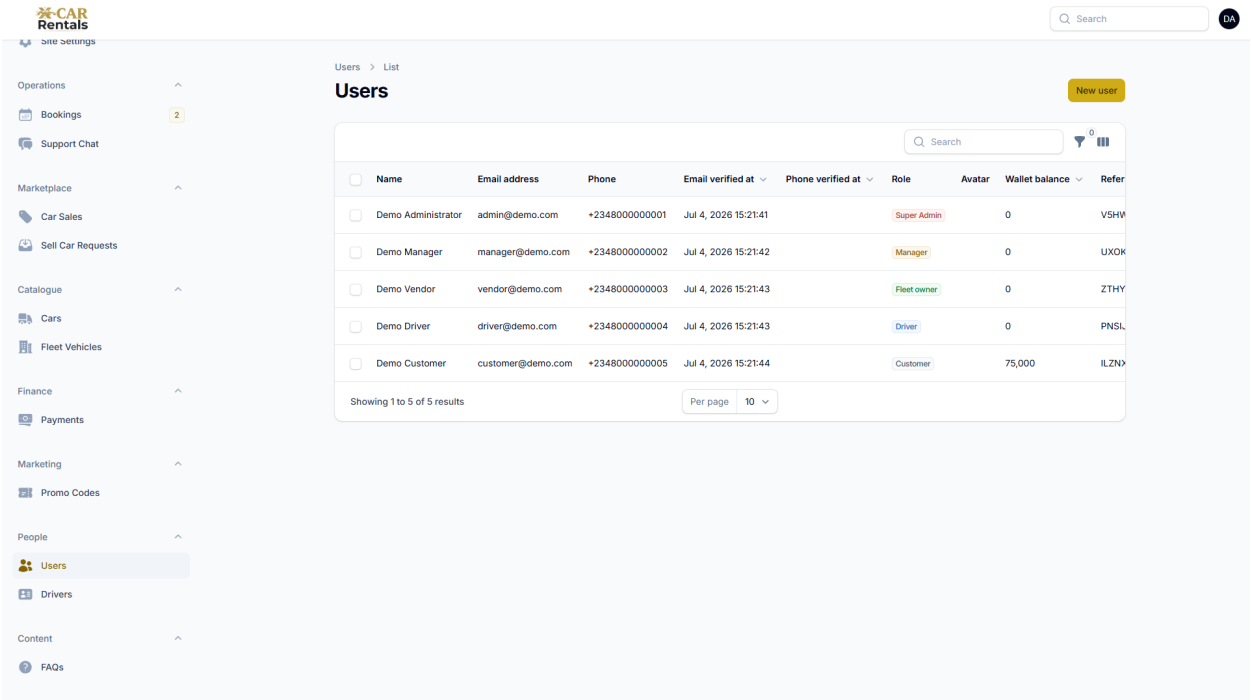


Key capabilities

- Full payment history
- Gateway and status
- Reconciliation made simple
- Always know your cash position

USERS & ROLES

Manage everyone in one place.

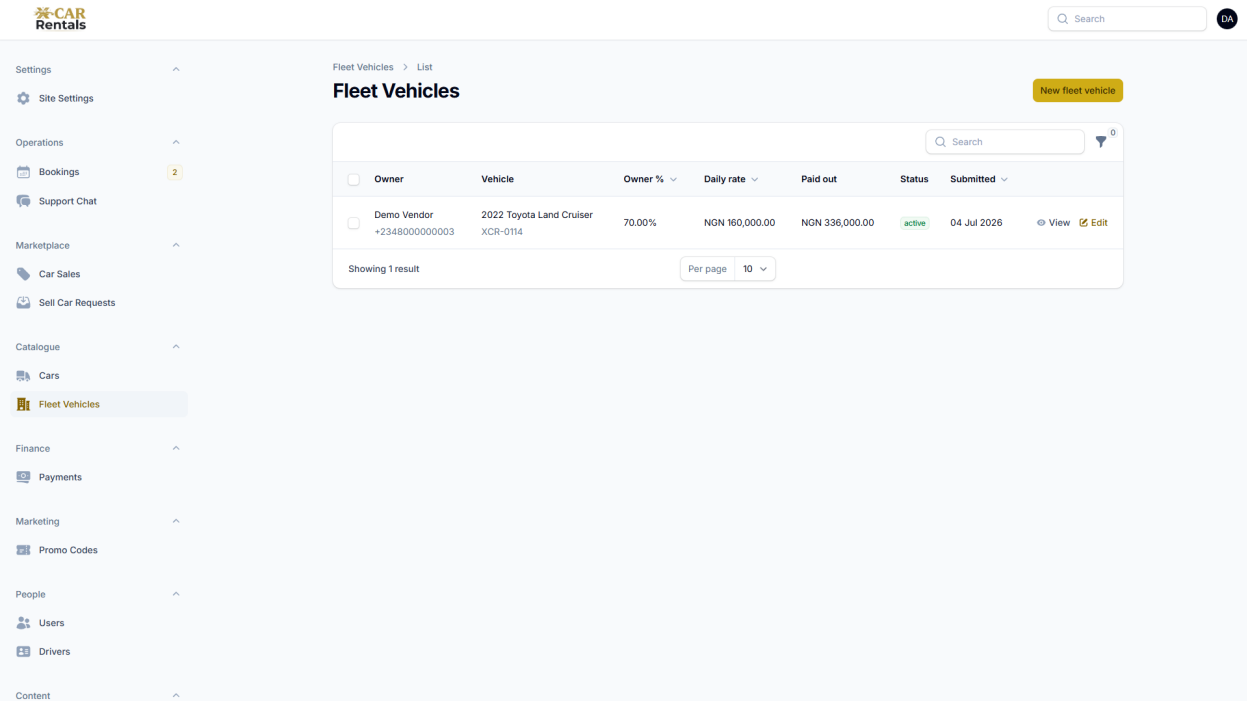


Key capabilities

- Customers, drivers, staff, owners
- Role-based permissions
- Limited staff access
- Secure and organised

FLEET VEHICLES & PAYOUTS

Grow the fleet with other people's cars.

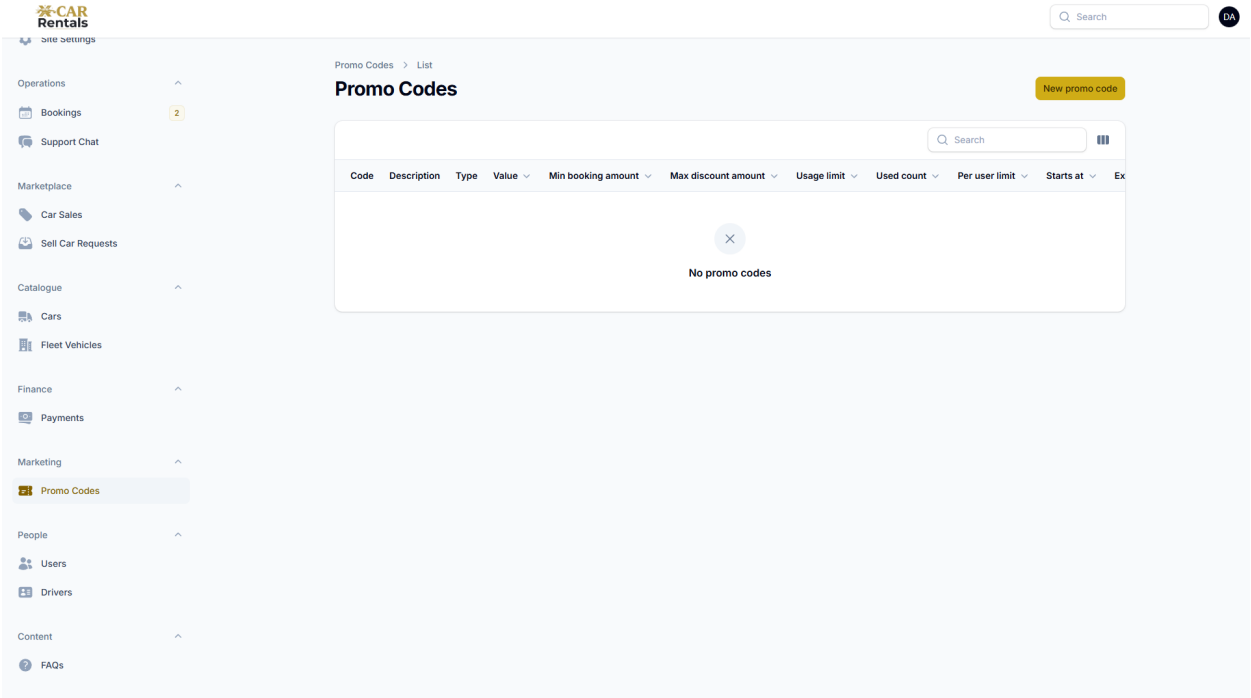


Key capabilities

- Owner-supplied vehicles
- Earnings and payout history
- Configurable revenue share
- Scale without buying every car

PROMOTIONS

Drive demand with discounts.

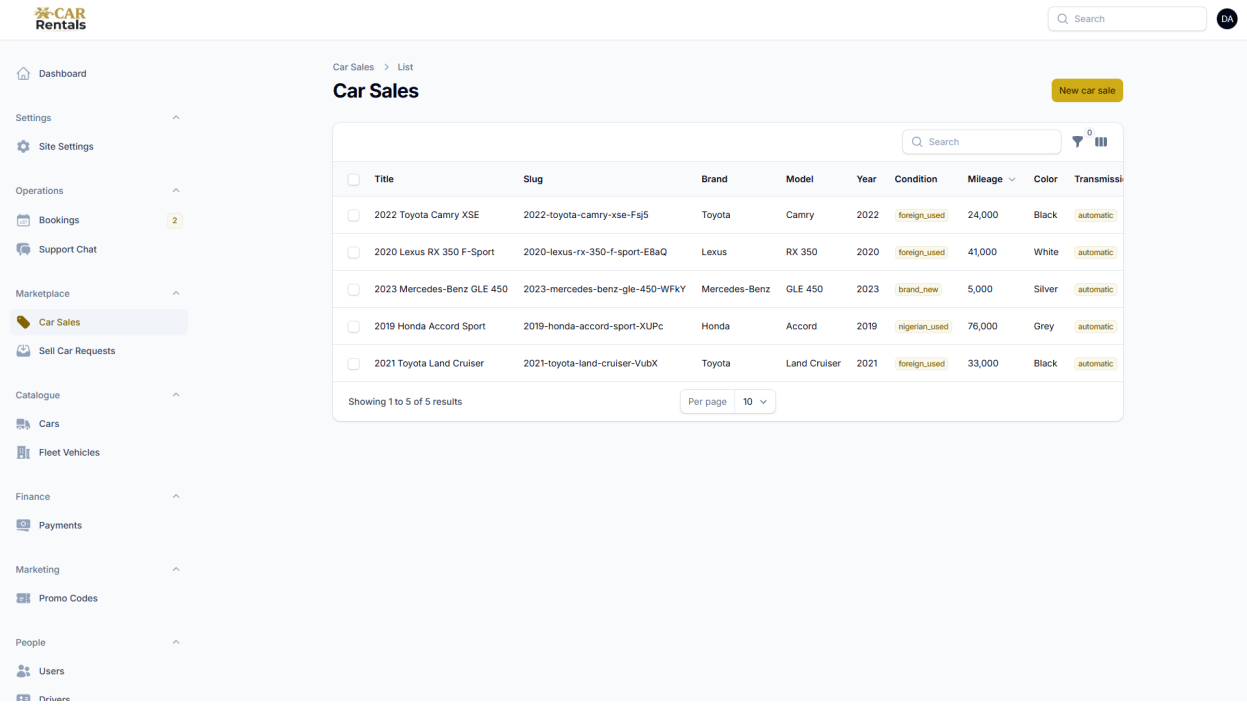


Key capabilities

- Create promo codes
- Usage limits and expiry
- Boost slow periods
- Reward loyal customers

MARKETPLACE ADMINISTRATION

Run rentals and sales side by side.

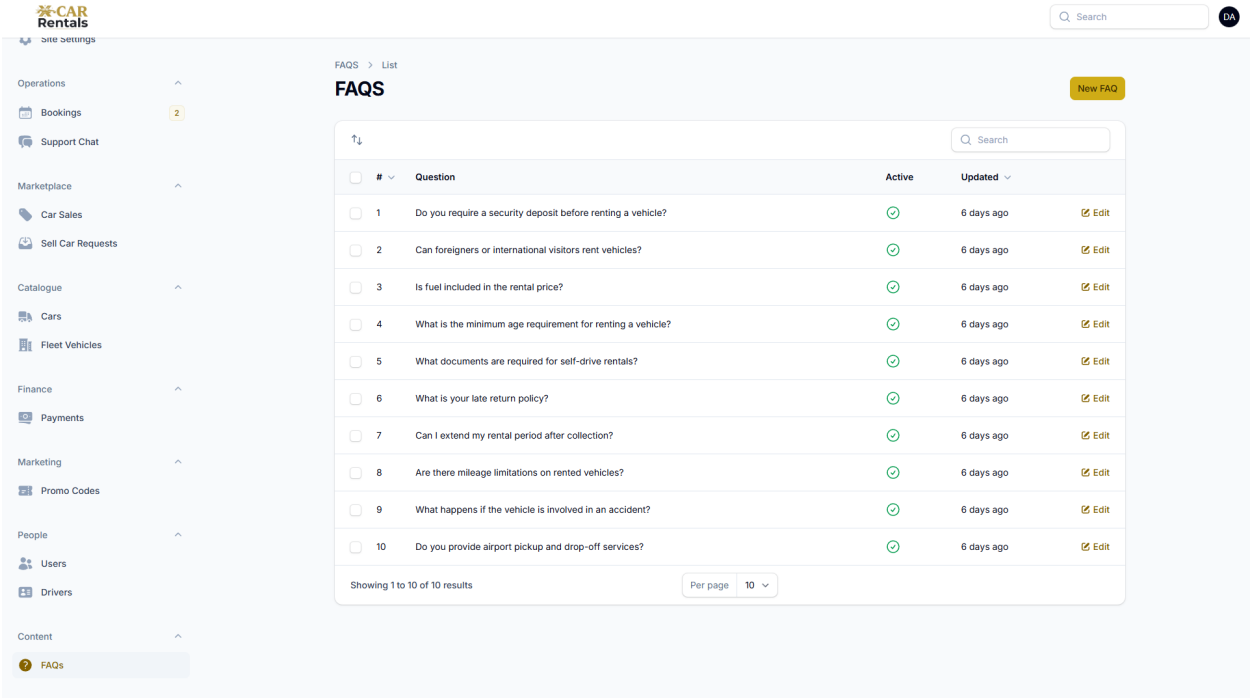


Key capabilities

- Manage cars-for-sale listings
- Track enquiries
- Extra income stream
- One unified system

FAQ & CONTENT MANAGEMENT

Keep customers informed automatically.

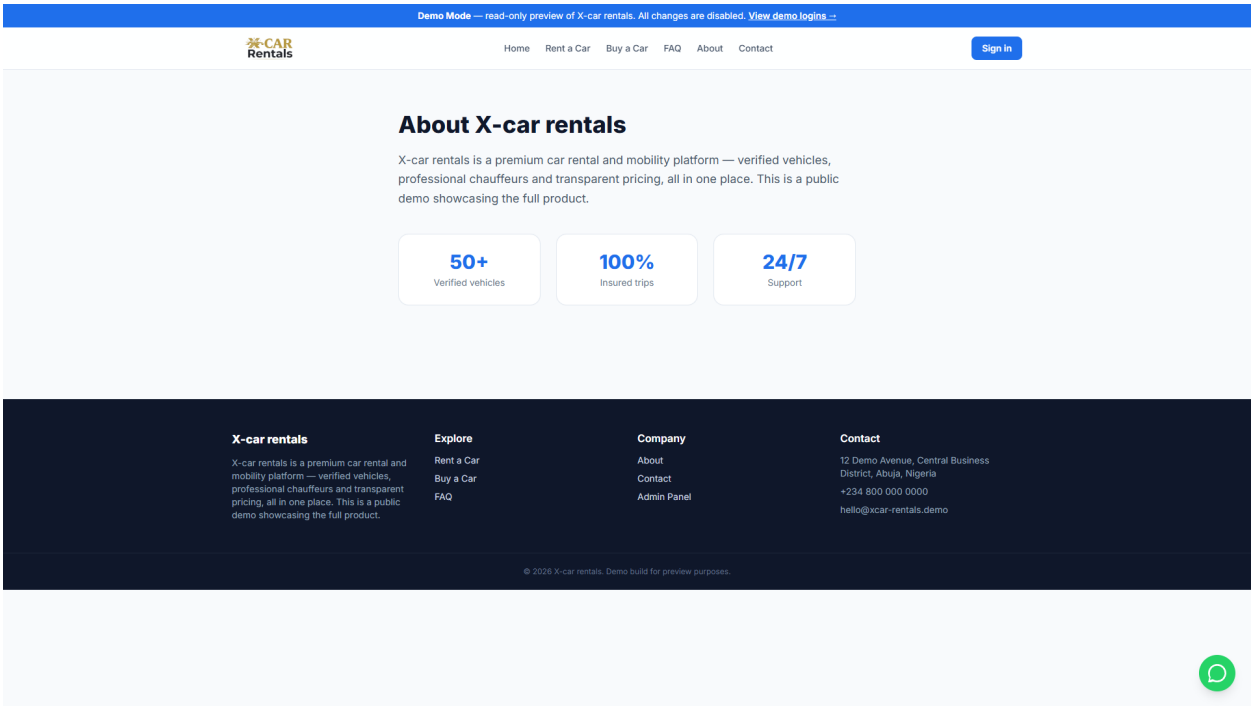


Key capabilities

- Create, edit and reorder FAQs
- Instantly live on the website
- Reduces support tickets
- No developer needed

COMPANY PAGES & BRANDING

Present the business professionally.



Key capabilities

- About and Contact pages
- Brand name, logo and colours
- Social links and SEO
- All configurable, no code

Security

- Hashed passwords and CSRF protection on web forms
- Role-based authorisation for every sensitive action
- Signature-verified payment webhooks
- Secrets kept in environment files, never in code
- Read-only Demo Mode blocks all data changes in previews

Performance

- Optimised autoloader and cached config, routes and views
- Indexed database columns for fast queries
- Cached vehicle images and lightweight server-rendered pages
- Runs comfortably on standard cPanel shared hosting

Architecture Overview

The application follows Laravel's proven MVC pattern. Eloquent models represent every entity; API controllers serve JSON to the website and mobile app; web controllers render the customer site; and Filament powers the admin panel. Form Requests validate all input and API Resources shape the JSON output. Authentication uses Sanctum tokens for the API and secure sessions for the web, with Spatie roles governing access.

Database Overview

Key entities and their relationships:

- User !’ driver profile, bookings, payments, fleet vehicles, sell-car requests
- Car !’ images, bookings, reviews, fleet vehicle
- Booking !’ user, car, driver, promo code, payments, review
- Fleet Vehicle !’ owner, car, payouts
- Conversation !’ messages; Site Setting !’ global branding & contact

Future Enhancements

The platform is built to grow. Natural next steps include:

- SMS / OTP verification (Termii-ready)
- Google Maps pickup & drop-off selection
- Loyalty and referral programmes
- Advanced analytics and exportable reports
- Multi-currency and multi-language support

Let's work together

Website: https://senux.xyz
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About: https://senux.xyz/about
Services: https://senux.xyz/services
Applications: https://senux.xyz/applications
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