

TRAXANO: LITERATURE SURVEY

RESEARCH PAPERS/WEBSITES	SYSTEM DESCRIPTION	COMPARISON WITH PROPOSED SYSTEM
Trawex	Trawex is a global travel technology company that provides online car rental software solutions. It integrates API-based car rental services, allowing businesses to connect with car rental providers worldwide. Features include global inventory management, API integrations, white-label solutions, multi-language/currency support, and advanced booking management.	Unlike Trawex, which focuses on API-based B2B solutions for businesses, the proposed system is a direct-to-user platform with an AI-based recommendation system, secure authentication, and a simplified rental process. The proposed system does not rely on third-party suppliers but manages its own fleet.
Zoomcar	Zoomcar is a self-drive car rental platform offering flexible rentals where users book cars for various durations without owning them. Features include self-drive car rental, flexible pricing, AI-driven recommendations, contactless booking, and subscription-based ownership models.	While Zoomcar focuses on self-drive rentals with keyless entry and a subscription model, the proposed system includes AI-based car recommendations, secure authentication with OTP verification, and multiple booking options, including car delivery to specific locations. Additionally, the proposed system introduces an admin panel for managing car inventory and pricing, a feature not emphasized in Zoomcar. Moreover, the proposed system's AI-based filter is designed specifically for users who do not know which car to rent for specific purposes like long drives, off-road adventures, or city commutes, which is not explicitly available in Zoomcar.
Travelpro	Travelpro provides a car rental reservation system that integrates third-party API services, fleet management, real-time availability, and multi-currency support. It allows	Unlike Travelpro, which focuses on B2B solutions with third-party integrations, the proposed system is built for direct customers with a user-friendly experience. It features AI-driven car recommendations tailored

	businesses to streamline operations by automating reservations, managing vendors, and offering dynamic pricing.	to users' trip needs and budgets, a unique feature missing in Travelopro. Additionally, the proposed system offers a structured rental agreement and real-time availability updates to avoid conflicts.
Logistics Management Challenges in Car Rental Industry	Discusses revenue management strategies, fleet optimization, and cost reduction in car rentals. Focuses on logistics challenges, inventory control, and decision-making in fleet planning.	Primarily focuses on business-side logistics rather than user experience. Lacks AI-driven automation and personalized recommendations for customers. Does not address real-time car selection or integration with delayed returns. The proposed system improves both fleet utilization and user experience with AI-driven recommendations.
Car Rental Management System	Highlights inefficiencies in manual booking systems and the need for automation. Discusses real-time tracking, security, and digital solutions to improve customer experience.	Focuses on automation and security but does not include AI-driven car recommendations. Lacks an intelligent system to guide users in choosing the best vehicle for their trip. The proposed system offers AI-powered suggestions based on user preferences, improving satisfaction and operational efficiency.
Development of Car Rental Management System with Scheduling Algorithm	Focuses on automated scheduling, structured admin-user access, and inventory tracking. Includes basic payment & cancellation options. Emphasizes system functionality, customer verification but lacks a detailed rental agreement. No assistance for users unsure about which car to choose.	The proposed system uses artificial intelligence to apply filters. It has well-defined Terms & Conditions and a Rental Agreement. It enhances booking and renting by reducing conflicts with real-time updates to each customer. Instead of forcing users to filter by price or brand manually, the system's AI suggests the best car based on the user's needs, budget, and driving preferences.
Web Portal Based on Car Rental System	Supports both online & offline bookings, has a fully functional admin dashboard, and uses PHP & MySQL, which is less scalable compared to Node.js & PostgreSQL. Lacks support for	Unlike the provided system, which relies on basic filters like car type, brand, and price, the proposed system takes car selection to the next level with AI-powered filters. Instead of assuming users know what they want,

	customers unfamiliar with renting cars. No ability to suggest cars based on trip type, passenger count, or driving conditions.	the system provides recommendations for first-time renters, helping them make the best choice effortlessly.
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REFERENCES:

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