

Online Car Rental

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Abstract: *The increasing demand for convenient transportation services has highlighted the need for efficient car rental systems. Traditional car rental methods often involve cumbersome paperwork, limited vehicle availability, and opaque pricing structures, leading to customer dissatisfaction. This project aims to develop an online car rental platform that streamlines the rental process, providing users with a user-friendly interface to browse, compare, and book vehicles effortlessly.*

The proposed system will feature real-time vehicle availability, transparent pricing, and secure payment options, ensuring a seamless rental experience. By leveraging modern web technologies, the platform will include a searchable database of available vehicles, filtering options based on user preferences such as vehicle type, price range, and rental duration. Additional functionalities will encompass user account management, booking history, and integrated customer support chat.

The literature review indicates a significant shift in the car rental industry towards technology-driven solutions, with emerging technologies like the Internet of Things (IoT), artificial intelligence (AI), and blockchain poised to enhance operational efficiency and customer satisfaction. The architectural model of the system will include essential modules such as Customer Relationship Management (CRM), Fleet Management, and an Inventory Database to ensure accurate vehicle availability.

Overall, this project aims to revolutionize the car rental experience by addressing long-standing issues and providing a scalable solution that can adapt to future technological advancements and user needs.

Keywords: convenient transportation services

