Online Bus Reservation System

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Abstract*: The Online Bus Reservation System is a web-based or mobile application designed to facilitate the booking and management of bus tickets. This system automates the entire process, from seat selection to payment, reducing the need for manual intervention and improving efficiency.*

The system provides users with real-time availability of buses, routes, schedules, and fares. Passengers can book, cancel, or modify their tickets online, while bus operators can manage fleet information, track bookings, and generate reports. Secure payment gateways ensure seamless transactions, enhancing the user experience.

Key features include user authentication, seat selection, fare calculation, e-ticket generation, notifications, and an admin panel for bus operators. The system aims to improve convenience, reduce booking time, and minimize errors in traditional ticketing methods.

By digitizing the bus reservation process, this system enhances efficiency, accessibility, and overall customer satisfaction, making travel planning easier and more reliable.

Additional features include booking history tracking, cancellation and refund options, GPS-based bus tracking, notifications for booking confirmations and schedule changes, and multiple payment options to enhance user convenience .The system improves operational efficiency, reduces human intervention, and enhances customer experience by providing a seamless, secure, and accessible bus reservation service. With the growing demand for digital solutions, this system modernizes transportation booking, making it more reliable and user-friendly for passengers and operators alike.

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