Real-Estate Management System

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Abstract: *The rapid expansion of the real estate sector has created a growing demand for efficient, transparent, and digitally enabled property management solutions. Traditional real estate practices largely depend on manual documentation and fragmented data storage, which often lead to inaccuracies, delayed processing, limited accessibility, and reduced operational efficiency. To address these challenges, this paper presents the design and implementation of a Web-Based Real Estate Management System (REMS) that automates property listing, search functionalities, and inquiry handling through a centralized and user-friendly digital platform. The proposed system is developed using PHP, MySQL, HTML, CSS, and JavaScript, and follows a three-tier architectural framework to enhance scalability, security, and maintainability. Role-based access control mechanisms are incorporated for administrators, sellers, and buyers to ensure secure authentication, controlled data access, and efficient system management. The system also supports dynamic property filtering and real-time information updates, enabling users to make informed decisions with minimal effort. Experimental evaluation of the developed platform demonstrates a significant reduction in manual workload, improved data consistency, and faster information retrieval when compared to conventional methods. Additionally, the intuitive interface enhances user engagement and simplifies property management operations. The proposed solution offers a reliable, cost-effective, and scalable approach suitable for modern real estate environments and can serve as a foundation for future enhancements such as mobile integration and intelligent analytics.*

Keywords*:* Web-Based Real Estate Management System, Property Listing Automation, Role-Based Access Control, Secure Data Management, Centralized Property Database, Real-Time Property Search, Buyer–Seller Interaction Platform