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Property Rental Website

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Abstract: *In the digital era, technology has significantly transformed the real estate and property rental sector by overcoming the limitations of traditional rental systems. This paper presents the design and development of a Property Rental Website using the MERN stack, comprising MongoDB, Express.js, React.js, and Node.js. The proposed system provides an interactive and user-friendly platform that connects property owners and tenants, enabling efficient property listing, searching, and management. Property owners can register, add, update, and manage rental properties by specifying details such as location, rent, property type, facilities, and images. Users can explore available properties using advanced filters including location, price range, and property category for a personalized search experience. The frontend is developed using React.js to ensure responsiveness and dynamic interaction, while the backend utilizes Node.js and Express.js for server-side operations and API management. MongoDB is employed as the database to support flexible and scalable data storage. Security is ensured through JWT-based authentication and RESTful APIs for secure client-server communication. The system offers a scalable, efficient, and modern solution that simplifies property rental processes and demonstrates the effectiveness of full-stack web technologies in building smart digital platforms.*

Keywords: Property Rental System, MERN Stack, Web Application, MongoDB, React.js

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