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A Comparative and Developmental Study on Modern Hospitality Website Systems with MERN Technology

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Abstract: What the contemporary hospitality industry has experienced in these times is unprecedented complete metamorphosis into the digital realm, which has achieved its peak through the advent and proliferation of dynamic web platforms like Airbnb, Booking.com, and Hotels.com. These systems have effectively uprooted fragile accommodation models that previously existed, and re-packaged a multiple decentralized approach to room rentals and guest services. Methodological exploration coupled with full-stack implementation of a hospitality website specifically designed for the less-known geographies is what this research presents. Through comparison, the study would find latent inefficiencies, extrapolate learning from established systems to proffer a scalable, simple-as-possible, and secure architecture thorough adaptive interfaces; real-time availability tracking; and localized payment support that would burn the digital hospitality ecosystem more inclusive, economically feasible, and operationally fluid for first-timers.

Keywords: Digital Lodging Infrastructure, User-Centric Interfaces, Platform Disintermediation, Peer-to-Peer Accommodation, Scalable Booking Architecture

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