PROJECT TOPIC : StayHub

Creating software to streamline the guest house booking procedures

Abstract:

Our institute provides guest houses for accommodating various guests, including family members, friends, and invited celebrities during festivals.

To ensure smooth operations, the institute has established specific procedures for booking guesthouse rooms.

This software aims to enhance convenience for stakeholders by simplifying the booking process and minimizing the risk of miscommunications.

Basic outline of the features:

- User Authentication: Allow authorized users (such as staff members or designated individuals) to log in to the system securely.

- User Roles and Permissions: Assign different levels of access and permissions to users based on their roles (e.g., admin, staff, guest).

- Booking Management: Allow users to check the availability of rooms on specific dates. Enable users to make new bookings or modify existing ones. Provide a calendar view to visualize room availability. Allow for bulk bookings during events or festivals.

- Guest Information Management: Maintain a database of guest profiles, including contact details, purpose of visit, and any

special requirements. Ensure data privacy and security compliance for guest information.

- Approval Workflow: Implement an approval process for guest house bookings, especially for high-demand periods or VIP guests. This could involve notifications to designated approvers for confirmation.

- Notifications: Send automated notifications to both guests and staff members regarding booking confirmations, modifications, or cancellations.

- Feedback and Reviews: Collect feedback from guests after their stay to continuously improve services and facilities.

- Mobile Compatibility: Ensure that the software is accessible via mobile devices for convenience, especially for staff who may need to manage bookings on the go.

- Security Measures: Implement strong security measures to protect sensitive data and prevent unauthorized access.

In conclusion, StayHub is used to digitalize room booking at the guesthouse and improve customer satisfaction.

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