Hotel Management Systemi Problem Statment: Design and implement a hotel management application for booking, billing house keeping. Managing Hotel applications manually causes delays, boor booking experience and poor customer Experience. So there is a need for Automated hotel Management System for Streamline reservations, billing and houseke Introduction: 1.1 Purpose of the document: This document provide detailed explanation of the requirment for th hotel management System, It server ay a guidli for developers, testers and Stakholders to understand the System functionality and Constraints to ensure the application meets user needs and experience. 1.2 Scope of the document: The application will automate key hotel operations such as reserving rooms, billing; check in and check out operations. It is intended to we by the hotel Staffs, customers for efficient experience 1.3 overview: The hotel management application is designed to Streamline the daily operations from room management and guest managem to billing and reporting. It provides application for both Staffs and customers.



General description: The hotel management application is a comprehensive software solution designed to handle the end to end operations of a hotel. The system allows users to book rooms, manage their reservations and make payments. Hotel staffs can check room availability check in and out of customers generate invoice and maintain, records efficiently, Functional Requirments: · Room Booking: Allow Customers to book their rooms. · check in /checkout: Allow the Staff to manage the guest check in and check outs · Payment gateway: Allow online payments through Various modes, and generate automated invoice. · User Management: Allow different type of wers Such ay Staffi quests & Management to logio · Inventory Management: Track room no and room availability. · Reporting: Generate reports on booking, and take customer, feedback, ratings Noti-fications: Send booking Confirmations; remin

4 Interface requirements. · web Interface for Staff and customers web Interface passign for dosktopsemobile with responsive design for dosktopsemobile Xuser Interface: with responsive across Android and ios * External System Thterface: · Integration with Payment gateways · Email/SMS gateway for Notifications * Database Interface: Secure database Communication with backend databage for data Storage 5 Performance Requirments . The System Should Support 1000 Concurrent users at atime · Booking and check in operations should be processed with 10 3/0 Secondy · Data Synchronization between modules should occur in real time. 6. Design Constraints: . The application must comply with data privacy regulations, · System should be devolped with Scalable technologies Use of Secure payment options · Compatibility with tommon web browsers.

	Bafna Gold —
	Non Functional Attributes:
	· Security: Ensure data Confidentiality, integrity and user Authentication.
	· Reliability: The system should recover from
	: Maintainability: Modular design to facilitate and update bug fixes.
	· Portability: Ability to deploy on cloud or
	non-premise environments.
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	Preliminary Schedule and budget: 4 week
8	Requirment Analysis and budget: 4 week
	Development phase: 12 weeks.
	• Testing phase . 4 weeks .
	· Deployment & Training : 2 weeks.
	total Estimated Time : 22 weeks.
	1. Total Estimated ITHIE
. 4	· Estimated budget:
4	· Estimated David Commembers : \$ 50,000
	· Development learn Comercials : \$ 5000
	· Software Literice y
	testing and yr
	a Danjarment and Iraning . P
	· Continency
	· Total budget : \$70000
	Total puns
14	
218	
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