SOFTWARE REGUIRCMENT SPECIFICATION, DOCUMENT 29 9 29 HOTEL MANAGEMENT SYSTEM Problem Statement: A Hotel Management System is designed to automate the tasks such as room booking, guest check-in/check-out, billing and managing room services and housekeeping. * Scope: It includes managing hotel services, live tracking of availability of rooms, it also provides a user-foriendly interface for both questis & staff It also includes notel performances through quests feedback. and has profile of the guests * Functional requirements: · Room Broking & Reservation: Allow customers to search for rooms based on dates, room type and their budgets. Customer Profile Management: store guest information history of booking and provide discounts. Room Service and Housekeeping: Allow greets to request for room service Billing and Payment: Support billing directly when they view the hotel and allow various payment methods. Notifications: Provide notifications for staff regarding booking and notifications for stuff regarding payment * Non Functional Requirements · Usability: The interface should be user-friendly · Security: The personal data of the guests must be maintained safely and shouldnot be loaked Performance: By stem Should not crash of large number of users operate at the same time

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- · Maintainability: System should be easity easy to be maintained and updates must be handled easily.
- Reliability: System Should be reliable with
- * Domain Requirements
 - · User roles:

Admin: Responsible for monaging the payment, handling registrations of tenanticeto Tenant: Must be able to manage their profiles, bookings.

· Data requirements:

Prom Data: The data of graflabile and filled rooms, type of room newst be mountained.

Tenant Data: Profib of the tenants must be updated.

Overview: The HMS is a software solution to automate takes like booking, billing, and housekeeping. It integrate various hotel operations to enhance service quality and operational efficiency.

* General Description:

· Roum Broking: real-fine availability por and booking

· Billing Automation: Simplifies invoicing and payments

· Housekeoping Management: Tracks room Status & schedules

· Repenting: Provides operational data for management

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	Hotel Monagement System continuation.
6.	Interface Requisoments:
	De for staff & quests: Web mobile Interfoce for operations
*	APD integration: For payment gaterious and 3 party services
خ	Database: Stores guert, billing, and reservation data
e	Internal Messaging: Staff communication tool for task
	coordination
7.	Performana requirements:
•	Response Time: Bookings & payments within 1 sec
0	Concurrent Users: Support up to 500 uses Simultaneously
	Frank Rate . Man Error grate 0.01%
8	Sys Uptime: 99% ovallability
8	the state of the s
	Hardware Compatibility: protegrates with exciting notes
	108)
•	Security: compilance with industry Standards
	(PC - DSS)
0	must work with existing
	notes monagement soft ware
10	pogger
Ó	Development Time of 6 months
۵	Potal : Costs: \$ 5,000, covering development,
	testing and maintainance.