21/08/25 Hotel Management System Problem Statement: Design and implement a centralised Hotel Management system (HMS) to istreamline hotel operations such as reservations check ins/ check outs, billing and administration. The system Lims to reduce human error, Emprone expiriency and enhance the guest experience through automation and real time information access SRS Document: 1. Introduction 1.1 Purpose of the Document -This document outlins the software requirements specification for the Hotel Management system. It is intended to communicate the junctional and nonfunctional requirements of the system to allistate-- holders , including developers, project managers and the dient. 1.2 Scope of this Document. This document covere all essential aspects for the deve--lopment of the hotel management system. It is intended to communicate the functional and NFs and includes operations such as billing, booking, administration, sexule, stay avocation. 1.3 Overview-The Hotel Management system provides a comphehensing

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	intended to streamline and automate the overall management of hotel operations. The document cover functionalities, interface requirements, performance expertate design constraints and the Prelimary budget and schedule
	2. General Description
	• Manage customer reservations and bookings • Register quest-ins and check outs • Allocate and track room availability • Grenerate reports for management • Manage staff and house teeping schedules • send notifications for bookings, cancellations and judie
	e. 2 User characteristics Receptionist: Manage bookings, check-ins, check outs Managus: View Reports, manage staff, set priving House keeping staff: View room chaning schedules Grust: Book rooms online, receive invoices. Admin: configure system settings, manage user roles.
3.	Fer Booking Management: The system whall allow quists to books sooms online, display real-time soom asciliable and wend booking confirmation emails
	FR2. Grust Management: The system shall store and manage quest information, including personal and contact details with options to update as needed:

FR 3. BIlling: The system shall automatically generate Provoces, and support various payment methods such as coud, cash and UPI FRY Room Management: Admins whall be able to add, update, delete your types and ameribies, and monitor your statuses. FRB: Reporting: The system shall produce and revenue reports on a daily, weakly and monthly basis 4. Interface legrenements: I User Interface: The system shall have a usponstrue web based Enterface accessible on both dest top and mobile, featuring vole based login, a booking calender. 2. Mardware Pinterface - The system shall support optional integration with Pos devices 3. Software interfaces: The system ishall integrate with Mixd-party services, including -· payments · email /SMS notification sorvius 5. Performance Requirements. · The system shall support up to 500 concurrent users. · The average pade load fine should not exceed 2 seconds. . The system shall ensure 99.9% uptime per month. · Daily data backups whall be performed automobide

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1	c. Design Constraints
	· Must be developed using open source technologies
	· must comply with data privacy laws
	· Must jollow responsine design standards
1 bbs	· Must support localisation.
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9	Non-Functional Attributes
MANAGE AND A STREET	7.1 Security
	7.1 Security
	7.2 Usability
and the same	The system shall be intuitive for non-technic
him on	7.3 Maintainability . Users.
abicate .	· Modular architecture for easy juhur updatu.
y.	Prolimina
options.	Preliminary Budget and Schedule. 8.1 Schedule
	THE PARTY OF THE P
	Pequet ment
127cm	Pequaements Analysis 2 weeks
	D D
	Development 10 weeks
	Sing 1
	y weeks.
	8.1 Budget
	estimated >> \$38,000
11	938,000
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