SRS DOCUMENT

HOTEL MANAGEMENT SYSTEM

- 1. Introduction:
- 1.1 Purpose of this Document: The purpose of this document is to actline the requirements and specifications for the development of a Hotel Management System. It will peroxide a clear understanding of the peroject objectives, scope and deliverables.
- 1.2 Scope of this Document: This document defines
 the overall working and main objectives
 of the Glotel Management System. It includes
 a description of the development cost and
 time required for the peroject.
- 1.3 Overview: The blotel Management System is a software solution designed to streamline hotel oferations, including reservation management, guest check-in/check-out, from assignment, billing and behoeting.
- 2. Igeneral Description: The thetel Management System will cater to the needs of hotel staff and management, perousing features such as room booking, quest profiles, inventory management and financial reporting. It will be accessible to users with manying levels of technical expertise.

3. Functional Requirements. 3.1 Reservation Management: · Allows users to make hoom reservations online or through the front desk. · generate reservation confirmations and send notifications to guests. 3.2 Room Management: Assign rooms to guests based on availility and preferences. · Track room status (clean, occupied, Macant)
in heal-time. 3.3 Squest Management:

Maintain guest profiles with personal information
freferences and booking history.

- Yacilitate guest check-in and kneck-out processes. 3.4 Billing and Invairing: generate accurate leills fou boom charges, additional services and taxes. · Accepts Marious payment methods and generate inhorces for conforate clients. 4. Interface Requirements. 4.1 User Interface: Intuitive and user-friendly interface for hotel staff and quests staff and guests.

• Accessible via veb browsers, mobile devices, desktop

4.	2 Integration Interfaces:
	Integration with payment gateways for secure teransactions.
	teransactions.
	• Integration with third - facity booking flatforms for slamless reservation management.
	for seamless reservation management.
5	Performance Requirements:
5.	1 Response Lime:
	· The system should respond to user actions
	within 2 seconds.
1 60 P.S.	eating the system its accommodate fallows
5.2	Scalability:
	Scalability: - Flandle a minimum of 1000 concuerent useers
	during feak hours.
Usik Ya	within pure constitute it there is the first
5.3	Data Integrity:
	Data Integrity: - Ensure data consistency and accuracy across all
	modules.
w. Hitm	which was said have make it
6.	Design Constraints
6.1	Dardevare Limitations.
	· The system should be compatible with standard
NEJS.	hotel hardware (computers, printers, POS torminals)
	facilitate figher for famelingthe and and
6.2	Software Dépendencies:
•	Itilize a relational database management system
	ea MUSOL) lou dans storage.
•	Use paramming languages and frameworks conducing to UML modeling (eg., Java, Spring Boot).
	to UML modeling (eg. Java, Shring Boot).

7. Non-Functional Attributes: Inflement volust authentication and authorization mechanisms to protect sensitive data 7.1 Security: 7.2 Reliability:

- Ensure high availability and fault tolerance
to minimize system downtime. +.3 Scalability:

•Design the system to accomodate future growth and expansion. 7.4 Portability:

Support multiple platforms and Devices for user accessibility. 7.5 Usability: ·The system shall have a user-friendly interface with clear manigation, 7.6 Resisability:

The system shall use modular core design to facilitate future enchancements and maintenance. 7.7 Compatibility. · The System shall be compatible with common level browsers (Chrome, Firefox, Safari).

7.8 Data Integrity: The system shall ensure accurate and consistent data storage and retrieval. 8. Paelinenary Schedule and Budget: The development of the Blotel Management System is estimated to take 6 months with a loudget of \$100,000. Yhis includes project planning, development, testing and deployment phases. af the Credit and Frenancing decem Et ended and experience the regions for front 1.30 mounices: The Credit Cord Processing deston a softence delition designed to seemed ex there sall show water out shows so it comes sufficiently authorities your ti. collection. Atthement, belling and reform in transport would some frequent of June of Description . The Credit and property apoten with enter to the modes of remodelle, stronger