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1)	Introduction:
	Purpose: - The purpose of this document is to
	provide a detailed description of the Hotel
	Management System. This serves as a guide to
	understand system's functionalities and performance
	rigrivements.
	Scope: - It will facilitate management of hotel
	operations like reservations, check-in, check-out,
	billing and room management.
	Overview: - It is designed to ensure smooth functioning
	of notel operations, improve customer service and
	enhance overall efficiency.
2)	General Discription
	Objectives of the user include:
*	User management - Allow administrators to manage user
	roles and access levels
*	Reservation management - Enable quests to book rooms
	and allow easy modification.
*	Automate the billing processes.
	Provide insights into notel performance by reports.
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4	User characteristics include:
	Admin - Require access to all functionalities.
A	Hotel Staff- Need tools for day-to-day operations and
-	quest interactions.
X	quests - Need a user-friendly interface for making
	reservations.

Eastures are:

3) Functional Requirements:

\* User-friendly interface - Simplify booking process
allow easy modification, enhancing guest satisfaction

\*\*Real-time availability - Provides accurate data regarding room availability to prevent clashes.

\*\*Comprehensive reporting - Helps is decision-making through detailed analytics.

It is crucial for improving efficiency, reducing errors and enhancing quest experience.

\* User Authentication - User must log in and log out

# Room management - Staff can add or delete a room
from availability list, and can add prices to the

\* User experience reports - Reports based on user experience

that help in enhancing user experiences.

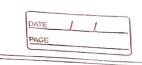
\* Billing system - calculating total charges based on duration of stay.

\* Room booking - Allows users to choose a desired

4) Interface Requirements:
\*\* A database for storing user eredentials, details of rooms available.

\* AI for booking applications to access data signaling scooms and facilities available.

Performance Requirements:
The software must sustain multiple were at a time.



Response time must be less to enable faster process

a) Design constraints

The software must comply with data protection rules. The system must handle vast number of users.

7) Non-functional attributes:-

\* Security - It must not lick data of users.

\* Portability - It must run on various systems.

\* Scalability- It must be scalable to allow multiple users to access the software.

\* Reliability - It must provide accurate data with respect to the rooms available.

8) Preliminary Schedule and Budget:

Réquirements identification: 3 weeks

Design: 5 weeks

Development: 3 weeks

Testing: 4 weeks