

Software Requirement Specification (SRS)

1. Introduction:

1.1. Hotel management system

problem statement:

Traditional hotel management processes often rely on manual methods, leading to inefficiencies, errors, and delays. To address these challenges, there is a need for a comprehensive hotel management system that automates various tasks including reservation management, guest services, billing, inventory control, & reporting.

1.2. Introduction:

1.1.1 purpose of this document: To provide a comprehensive understanding of the requirements & functionalities of the hotel management system.

1.1.2. scope of this document: Describes the intended user features & benefits of the HMS along with development cost & time estimates.

1.1.3. overview, gives a brief summary of the HMS outlining its primary functions such as room booking, check in/out, and billing.

Design constraints:-

- * use of secure protocols for data transmission.
- * compatibility with existing hardware & software interface
- * compliance with industry standards & regulations

6. Non-Functional Requirements

- * security.
- * portability
- * Reliability
- * Application compatibility.
- * Data integrity.
- * Scalability capacity

7. Preliminary schedule & Budget: The development of the HMS is estimated to take 6 months with a budget of \$100,000. This includes analysis, design, development, testing & deployment phases.

2. General Description:

The online hotel management system is a new self contained software product which will be produced by the developers in order to overcome the problems that have occurred due to the current manual system. The proposed system will provide an easy access to the system and it will allow user friendly functions with attractive interface. The system will give better options for the problem of handling large scale of physical file system, errors occurring in calculations & all the other required tasks that has been specified by the client.

3. Function requirements

- * Ability to create, modify & cancel reservations
- * check-in / check-out management
- * Billing & Invoicing
- * Room inventory management
- * Guest profile management
- * Reporting & Analytics

4. Interface requirements:- The HMS will interact with users through,

- * Graphical user interface for hotel staff
- * web-based interface for online reservation
- * mobile application for guests