

Software Requirement Specification

1. Hotel Management System

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Bafna Gold
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Software Requirement Specification

1. Hotel Management System (HMS)
 - 1.1 Introduction
 - 1.1.1 Purpose
The document defines the requirements for a Hotel Management System that helps manage hotel operations like room bookings, guest check-ins and check-outs, billing and housekeeping management.
 - 1.1.2 Scope
The HMS will automate daily hotel operations to improve efficiency, reduce paperwork, and provide a better guest experience. It includes managing guest information, room availability, billing processes, and employee information.
 - 1.1.3 Overview - Manages room availability, guest information and billing.
 2. General Description
 - Users: Hotel staff and guests.
 - Benefits: Faster check-ins/check-outs, improved guest service.
 3. Functional Requirements
 - Room booking
 - Billing
 - Guest management
 - Housekeeping assignment.
 4. Interface Requirements
 - Web and mobile interfaces

• Payment gateway integration.

5. Performance Requirements

- Fast response during peak hours

6. Design Constraints

- Must integrate with third-party payment systems
- Multi-language and multi-currency support

7. Nonfunctional Requirements

- Security: Protect guest data and payment information
- Reliability: 99% uptime for 24/7 hotel operations
- Scalability: Supports small hotels to large hotel chains

8. Budget Estimate

- Time: 6 months
- Cost: \$80,000 - \$100,000

Class Diagram:

