

LAB - 01.

1. Generate the SRS document for the

i) Hotel Management System.

1. Project Description:

The Hotel Management System is designed to automate day-to-day tasks of hotel like reservations, check-ins & outs, billing etc. The system must ensure coordination between these and provide an efficient customer service experience.

2. Problem Statement:

Manually managing hotel operations is inefficient & subject to errors. There is a need for a system that can automate reservation, manage guest info, handle billing for better efficiency.

3. System Requirements:

3.1. Functional Requirements:

- > User authentication (admin, staff, guests)
- > Room reservation
- > Check-in & check-out processing
- > Payment gateway integration & billing
- > Housekeeping request management

3.2. Non-Functional Requirements:

- > User-friendly interface
- > Minimum downtime
- > Security for payment & guest data
- > Performance optimisation
- > Scalable system



i) Continued:

4. Design Constraints:

- Limited complexity due to efficiency consideration
- Software compatibility
- SQL-based database with optimised design.
- Interfacing with legacy systems.
- Basic offline operations consideration

5. Preliminary Schedule & Budget.

### 5.1. Preliminary Schedule:

- > Requirement Gathering & Analysis : 2 weeks
- > System Design : 4 weeks
- > Development of main features : 8 weeks
- > Testing (Unit, Integration testing) : 3 weeks
- > Deployment to live server : 1 week
- Total Duration : 18 weeks

### 5.2. Preliminary Budget:

- > Development Team : \$ 40k
- > Hardware : \$ 4k
- > Software Licenses : \$ 6k
- > Miscellaneous costs : \$ 3k
- Total costs : \$ 53k

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