

Lab - 1

1) Hotel Management System

a) Problem Statement :-

Provide selection criteria from user and display the hotels list for user basing on the criteria. User can book the room if there is availability of the room in that particular hotel. There are no software / website for the hotel for booking the rooms. So creating a website and a database would be helpful for user to book room online.

b) Introduction :

-> Purpon of this document :-

The main aim of this document is to specify all the requirements for hotel management system.

-> Scope of this document :-

This is for a hotel management system which will automate the major operations of the hotel. The objective of the hotel management system is to simplify the day to day processes of the system. This system will be able to handle many queries to take care of the customer in a quick & efficient manner.

-> Overview :

Hotel management system is a tool for proper management and ease of management for customers and staff.

c) General Disruption:-

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.

d) Functional Requirements:

- Check in & check out Facilities
- Room amenities
- Billing & payment
- Loyalty Programs
- Feedback & reviews

e) Interface Requirements:

web development Language like HTML, CSS & JS will be used to make the website. Bootstrap can also be integrated into the program.

f) Performance Requirements

- Response time: The response time should be fast.
- Scalability: The system should be able to handle a large no. of users.
- Availability: System be available 24/7.
- Security: System be secure protecting users.
- Optimization: System be optimized for performance.

g) Design constrain :

- **Hardware** : The system design may be constrained by hardware resources available such as server, storage devices & network.
- **Software** : Operating system, database management system & programming languages.
- **Time** : Project timeline, features & functions of the system.
- **Budget** : System should be completed by available budget.

h) Non functions attributes :

- **Usability** : System should be user friendly.
- **Reliability** : System should be with low error.
- **Security** : System should be protecting user data.
- **Performance** : The system should be fast and responsive with minimum latency & delay.
- **Maintenance** : System should be maintained by regular basis.