

SOFTWARE REQUIREMENT SPECIFICATIONS

HOTEL MANAGEMENT SYTSEM

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1. INTRODUCTION

1.1. PURPOSE

The main purpose of this document is provide the working of a web application which is about hotel management system . Through this system , we have to reduce manual works and provide a friendly environment for the users, and to provide a large amount of hotels and its details . This document will explain the purpose , features , requirements , interfaces and specifications of the system .

1.2. SCOPE

This document specifies the requirements of the system as well as the features and interfaces. This system can avoid the least availability of the hotels. It can provide alist of hotels around our locality.

1.3. INTENDED AUDIENCE

- Tourists
- Buisiness Magnates
- Common People

2. SYSTEM DEFENITIONS

This system consists of web application for online hotel management system. User can register into the system by providing essential details and then user can log into the system. The system provides a large number of hotels from cheap rate to high. All the details of the hotels are available in the system as per user needs. User can book rooms from anywhere and anytime and also, they can cancel their booking. Users can pay the payment through the provided secure online payment system. 24*7 days, the system avail for the users.

The system provides premium membership for the users, and they get a user id and password for the future references. The system is a secured password system. User must log in by giving their user id and password while each time they enter into the system.

3.PRODUCT PERSPECTIVE

The proposed Hotel Management System will care of currently available hotel room's details. The booking date, check in date, check out date and type of the room will be automatically updated in the user's profile.

4.SYSTEM REQUIREMENTS

4.1. HARDWARE REQUIREMENT

The selection of the hardware configuration is a most important task in the software development. The processor should powerful to handle all the tasks. The hard disk should have the sufficient capacity to solve the application and database.

The hardware requirements for the proposed system are:

Processor: Ryzen 5

System bus: 64 bits

Memory: 4 GB or high

Hard disk: 320 GB

4.2. SOFTWARE REQUIREMENT

Windows 10 provides data security by data encryption. It includes improved network, applications and web services. It provides improved reliability and scalability, lower cost of computing and flexible management services.

The software requirements for the proposed system are:

Software: Windows 10

Front-end :PHP

Back-end: MY SQL

5.SYSTEM INTERFACES

This section includes the existing elements those under development, and future components. It is necessary to think about human usres of the system and other applications. Here there is four types of interfaces.

- User
- Hardware
- Software
- Communications

6. FEASIBILITY STUDY

Feasibility analysis is the procedure for identifying the candidate system, evaluating and selecting the most feasible system. This is done by investigating the existing system under the idea of new system. It is a test of a system proposal according to meet user needs, etc.

7. USER NEEDS

User needs to have to access a vast amount of details of hotel.

8. USER CHARACTERISTICS

The Online Hotel Management System is a web application software which works as a virtual hotel booking system. The users can book the hotel rooms for a time and check-out or cancel booking within the time period through this application. There are two types of users in this application, one is Administration and the other is normal external users.

- ADMIN
Admin have the control of the customers, list of hotels and its details, cancel of booking, premium membership features, etc.
- EXTERNAL USERS
External users are normal people who have to access hotels details.

9. DATABASE

Database design is the process of producing a detailed data model of database. This data model contains all the needed logical and physical design choices and physical storage. The process of doing database design generally consists of a number of steps which will be carried out by the database designer. Usually, the designer must:

- ☐ Determine the data to be stored in the database.
- ☐ Determine the relationships between the different data elements.
- ☐ Superimpose a logical structure upon the data on the basis of these relationships.

In this project database design generally, the data is to be stored in the database whether it can more relation for each module. And it provides the logical relation between them.

10.SYSTEM STRUCTURE

