THE VOYAGE

MINI PROJECT – I

SYNOPSIS

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Acknowledgement

It gives us a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. We owe special debt of gratitude to Mr. Mandeep Singh, Technical Trainer , for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal and for his constant support and guidance to our work.

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ABSTRACT

The study described in this research report focused on variables which were posited to capture experiences of the travelers about our hotel **the voyage** across India.

The hotel management project is an excellent software tool for the related industries that can be used in hostels, resorts, lodgings, motels, lodges, hostels, naval pensions, farms, and suites.

The hotel management tool is a complete set of software programs, along with integrated modules for various aspects of hotel control. The software program is often referred to as a property control system in the tourism industry. This software program consists of all the necessary capabilities in the Voyage control software. This software is designed for luxury full-service lodge, beds, breakfast and motels. It emphasizes the best stage of services for character visitors through our full capabilities that integrate rooms, restaurants and retail stores with records contained in book reserves for the fashion book at the bottom of the office.

The Hotel control application helps you increase revenue and delight users by creating a stronger and stronger link between your home business and your customers and partners.

INTRODUCTION

The emergence of modern technologies has had profound impacts on the Hotel management . **The Voyage** is a chain of luxury hotels .It manages and franchises luxury and business hotels, resorts and vacation properties Through online hotel reservations travelers could book hotel rooms. They can book rooms on our website by using online security to protect their privacy and financial information and find facilities at different hotel franchises.

Prior to the internet, travelers could write, telephone the hotel directly, or use a travel agent to make a reservations. Nowadays, travelers could access pictures of hotels and rooms, information on prices and deals, and even information on local resorts on our websites. Travelers could also give reviews to our hotel on our website about our hotel services.

Travelers could also make last minute travel arrangements. Some of our hotels are styled as "resort" properties, and have spas or other recreational facilities. There are several websites that specialize in searches for deals on rooms.

SOFTWARE AND HARDWARE REQUIREMENTS

- HTML editor :- Mobirise

- Graphics Editor

- FTP Client

- Processor:- Min GHz; recommended 2GHz or moe

- Ethernet Adapter

- Memory(RAM):- Min 1GB; recommended 4GB or above

- Window 7,8,10

TECHNOLOGY USED

- HTML
- CSS
- JavaScript
- Frontend development :- REACT JS
- Backend development :- EXPRESS.JS ; MONGODB

PROJECT DESCRIPTION

The purpose of this project is to develop a frontend for hotel management applications and queries using graphical user interface. It

Plays a vital role in the promotion of hotel & resort businesses. It helps the hotel administration to advertise the features and facilities of the hotel. It facilitates online booking and payment services as well.

The project is divided into 4 modules :–

- Room Enquiry and Reservation
- Check In/Check-out Module
- Bills and Payments Module
- Reports

The roles of the modules are as follows:

❖ Room Enquiry and Reservation Module :

This module deals with reservation enquiry and reservation. During reservation, the details of the customers, type of room required and number of room required are fed in to the system. Once these in formations are entered, the system searches for the unoccupied rooms and displays the result. In reservation enquiry, customer can get the information such as rent of rooms and details of rooms available.

❖ Check In/Check-out Module :

This module deals with the reservation check in (i.e., allocating room for the customer who has already reserved) Direct check in (i.e., checking in without reservation), handling checkout of guest and Bill payment.

❖ Bills and Payments Module :

This module deals with the generation and tracking of bills and payments made by the guest. The bills are classified into lodging bills and Restaurant Bill. The lodging bill is calculated using the check in and checkout details of the person. The Restaurant bill is generated   based on the food items consumed by the guest during his stay in the hotel.

❖ Report :

This module deals with the generation of the reports for the various modules. The customer list can be generated. Room status list can be retrieved for reference. The check in and checkout registers can also be retrieved for any future queries.

Advantages :-

- Secure data
- Faster process
- Error Free
- Better management
- Save a lot of manpower
- High reliability and security.
- Fast and economical.

Mission of the Project

The mission is to facilitate easy management and administration of a hotel with capabilities to do Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant billing, Total billing, Travels arrangement etc. using the automated hotel management software. One can keep detailed records or info on an unlimited amount of customers. The system lets the user know which all rooms are available for occupancy at any point of time. This makes the booking considerably faster. And thus helps the hotel in better management and reduce a lot of paper work as well as manpower.

EXISTING SYSTEM

Hotel Management involves maintaining various operations of the hotel like Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant billing, Total billing, Travels arrangement etc. The existing system is a manual one and there is lot of issues.

Hotel Management involves maintaining various operations of the hotel like Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant billing, Total billing, Travels arrangement etc. The existing system is a manual one and there is lot of issues. The existing system is a manual one and there is lot of issues like erroneous data, slow process, lack of security etc. Finding out the final payment amount completely

relies on the hotel manager and if he is absent, it takes a long time to find out the details during check out and is prone to errors.

Drawbacks of the Existing System :

- Manual entry consumes more time.
- It is difficult to maintain bulk of record in manual.
- Restrictions in the users.
- Not easy to prepare the daily reports.
- Lack of accuracy and error prone.
- Overall efficiency is less.

IMPLEMENTATION

Java script is a scripting language used to enhance the functionality of the browser. Java script is integrated with HTML and navigator 2.02. Java script facilitates the developer with properties related to document windows, frames, loaded documents and link.

The first part is named the HM file which deals with the coding of the main home page of hotel booking sites and all the details of the hotel are included in this code.

The second part is named CSS style. This file deals with the programming in CSS which gives the HTML home page styling and

helped it to look far more attractive in it. This module gives the looks and makes it attractive for visitors.

The third part is included the different codes for the elegant different font styles. There are 3 different files present here for the fonts. Different images are included here and also a logo is there for the developer.

REFERENCES :

Books:

- Web Design With HTML, CSS, JavaScript and jQuery Set
- Web Development with java Server pages
- Java
- Java2 Complete Reference
- Sun java Documentation
- JavaScript: The Definitive Guide
- Professional Java Server Programming

Websites:

- www.java.sun.com
- www.google.com
- www.javawrench.com
- www.javaworld.com
- www.projectdeveloper.com

Faculty Guidelines:

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