

HOTEL MANAGEMENT SYSTEM

A Synopsis

Submitted

In Partial Fulfillment of the Requirements for

The Degree of

Bachelor of Technology

In

Computer Science & Engineering

Submitted by:

Vijay Yadav

Under the Supervision of:

Pooja Khulbe

Assistant Professor



Department of Computer Science &
Engineering Faculty of Engineering

**BABU BANARASI DAS INSTITUTE OF TECHNOLOGY
& MANAGEMENT-054, LUCKNOW, INDIA, 2021**

CERTIFICATE

This is to certify that **Mr. Vijay Yadav** (Roll_No- 2000540100186) has carried out the work presented in the synopsis titled “**HOTEL MANAGEMENT SYSTEM**” submitted for partial fulfillment for the award of the **Bachelor of Technology In Computer Science & Engineering** from **BBDITM, Lucknow** under my supervision.

It is also certified that:

- (i) This synopsis embodies the original work of the candidate and has not been earlier submitted elsewhere for the award of any degree/diploma/certificate.
- (ii) The candidate has worked under my supervision for the prescribed period. (iii) The synopsis fulfills the requirements of the norms and standards prescribed by the AKTU and BBDITM, Lucknow, India.
- (iv) No published work (figure, data, table etc) has been reproduced in the synopsis without express permission of the copyright owner(s).

Therefore, I deem this work fit and recommend for submission for the award of the aforesaid degree.

Pooja Khulbe Prof. (Dr.) Diwakar Yagyasen Synopsis Guide (H.O.D.) (Associate Professor) Department of CSE , Department of CSE, BBDITM, Lucknow BBDITM, Lucknow

Date:

Place: Lucknow

DECLARATION

I hereby declare that the synopsis titled “**HOTEL MANAGEMENT SYSTEM**” is an authentic record of the research work carried out by me under the supervision of **Ms. Pooja Khulbe**, Department of Computer Science & Engineering, for the period from September 2021 to December 2021 at BBDITM, Lucknow. No part of this synopsis has been presented elsewhere for any other degree or diploma earlier.

I declare that I have faithfully acknowledged and referred to the works of other researchers wherever their published works have been cited in the synopsis. I further certify that I have not willfully taken other's work, para, text, data, results, tables, figures etc. reported in the journals, books, magazines, reports, synopsis, theses, etc., or available at websites without their permission, and have not included those in this Bachelor of Technology synopsis citing as my own work.

Date: 18/12/2021 Signature : Vijay Yadav(2000540100186) Teammate: Sanskar Singh
(2000540100143)

Table Of Contents

Contents	Page No.
Title page	1
Certificate/s(Supervisor)	2
Declaration	3
Table of Content	4
Introduction	5
Content of the Project	6
Objectives	7
Benefits and The Scope of the Project	8
Data Flow Diagram	9
Facilities required for Proposed Work	10
Conclusion	11
Future Work	12
Reference	13

INTRODUCTION

I developed a web project “**HOTEL MANAGEMENT SYSTEM**” using HTML, CSS, BOOTSTRAP, PHP, and MY SQL from **INTERNSHALA** (Duration: 8 weeks). This website has been developed to override the problems prevailing in searching or booking the Hotel for any kind of stay services or room services etc. Moreover, this project is a personal portfolio and an enquiry platform where anyone can visit and enquire regarding any info about the hotel facilities across all over India.

In this project, only the main activities are performed in a HOTEL Management System, but utmost care has been taken to make the system efficient and user friendly. “HOTEL Management System” has been designed to computerized the following functions that are performed by the system:

Room Detail Functions

- Opening a New Room

- Modification to room assigned

Check-in and check-out Detail Functions

- Admission of New customer

- Check-out of customer

Room assigning related to customer’s need.

- Statement of Customer Details

- Check-in customer

- Check-out customer

Room Details

- Total number of Customers in the Hotel

- Individual customer Report

TECHNOLOGY USED:

VS CODE: I have used Microsoft Visual Studio Code for code editing and writing. **XAMPP:** I have used XAMPP for creating the backend using phpMyAdmin.

FIELD OF PROJECT: This project is mainly used for connecting with other people whosoever is interested to enquire (book) for a Hotel.

This website is so simple and easy to use, so that everyone can use it without any problem. 5

Content of the Project

- **Project statement**

The hotel management needs to create the hotel management system (HMS) to organize the rooms, customer record and the other information about the customer. how many customer can live in a room, and the customer of the hotel can be recognized from their room number.

- **Descriptions**

This software product allows the hotel management to improve their services for all the customers of the hotel. This also reduces the manual work of the persons in admin panel and the bundle of registers that were search when to find the information of a previous customer , because through this system you can store the data of those customer who had leaved the hotel recently.

Through this you can check the personal profile of all the current customer within a few minutes the database of the system will help you to check a particular one.

The system will help you to check the bills of every customer and the customer hotel dues. The customer of the hotel will be recognized from the room number allocated at the room rental time. In the last this system will improve the management work in the hotel.

Objectives

During the past several decades personnel function has been transformed from a relatively obscure record keeping staff to central and top level management function. There are many factors that have influenced this transformation like technological advances, professionalism, and general recognition of human beings as most important resources.

- A computer based management system is designed to handle all the primary information required to calculate monthly statements. Separate database is maintained to handle all the details required for the correct statement calculation and generation.
- This project intends to introduce more user friendliness in the various activities such as record updation, maintenance, and searching.
- The searching of record has been made quite simple as all the details of the customer can be obtained by simply keying in the identification of that customer.
- Similarly, record maintenance and updation can also be accomplished by using the identification of the customer with all the details being automatically generated. These details are also being promptly automatically updated in the master file thus keeping the record absolutely up-to-date.
- The entire information has maintained in the database or Files and whoever wants to retrieve can't retrieve, only authorization user can retrieve the necessary information which can be easily be accessible from the file.
- The main objective of the entire activity is to automate the process of day to day activities of Hotel like:
 1. Room activities,
 2. Admission of a New Customer,
 3. Assign a room according to customer's demand,
 4. Checkout of a computer and releasing the room
 5. Finally compute the bill etc.
 6. Packages available.
 7. Advance online bookings.
 8. Online Cancellation.
 9. Email facility.
 10. Feedbacks

Benefits and the scope of the Project

We have designed this Hotel management System to automate the process of Hotels. This project is useful for the authorities which keep track of all the users registered in a particular state .The authority can add hotel packages, room details, availability of rooms, online booking etc, and also for customers for booking of the rooms..

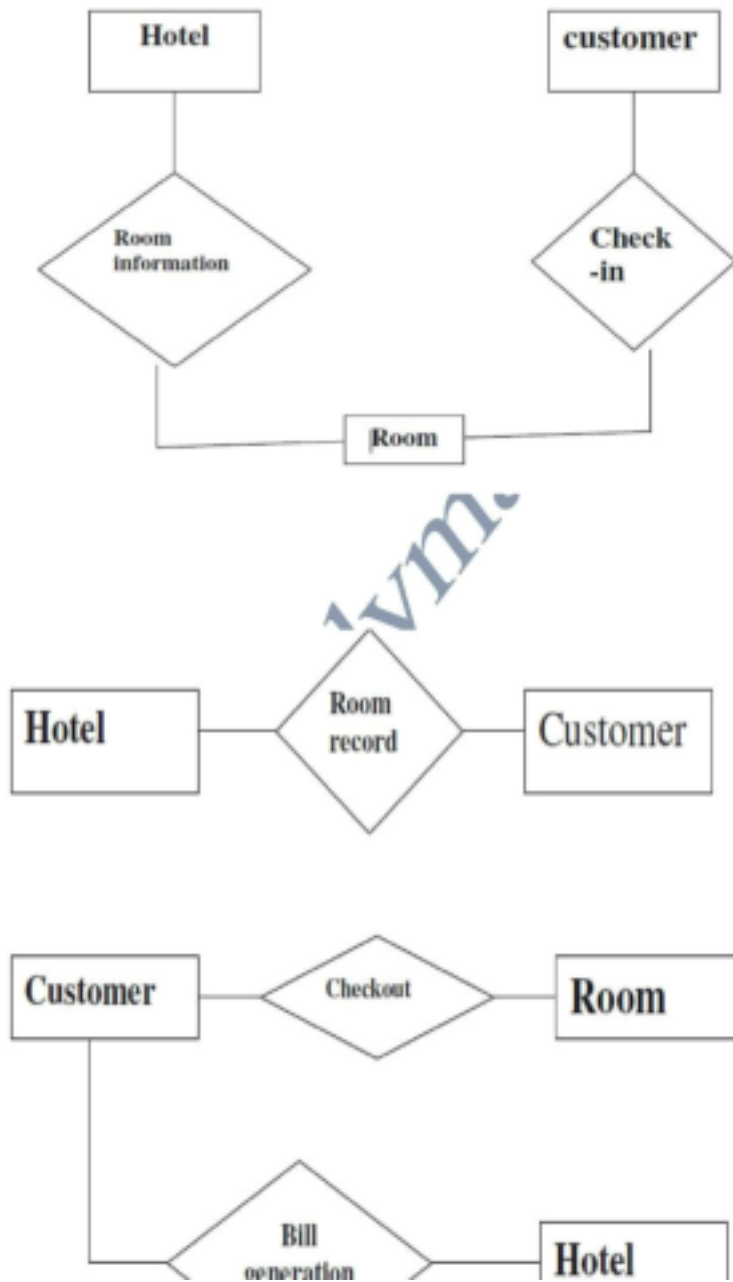
The following steps that give the detailed information of the need of proposed system are:

- **Performance:** During past several decades, the records are supposed to be manually handled for all activities. The manual handling of the record is time consuming and highly prone to error. To improve the performance of the Hotel Management System, the computerized system is to be undertaken. This project is fully computerized and user friendly even that any of the members can see the report and status of the company.
- **Efficiency :**The basic need of this website is efficiency. The website should be efficient so that whenever a new user submits his/her details the website is updated automatically. This record will be useful for other users instantly.
- **Control:** The complete control of the project is under the hands of authorized person who has the password to access this project and illegal access is not supposed to deal with. All the control is under the administrator and the other members have the rights to just see the records not to change any transaction or entry.
- **Security:** Security is the main criteria for the proposed system. Since illegal access may corrupt the database. So security has to be given in this project.

Data Flow Diagram

A Data Flow Diagram (DFD) is a graphical representation of the "flow" of data through an Information System. A data flow diagram can also be used for the visualization of Data Processing. It is common practice for a designer to draw a context-level DFD first which shows the interaction

E-R DIAGRAM



Facilities required for proposed work

Hardware Required:

Minimum: - 4 GB RAM
2 GB Free Hard Disk Space

Recommended: - 16 GB RAM
20 GB Free Hard Disk Space

Software Required:

Operating System: - Windows, Linux, Ubuntu, etc.

Programming Languages: - HTML, CSS, BOOTSTRAP, MY-SQL, and PHP

Required Application Software: - VS Code, XAMPP, and Google Chrome

Conclusion

Hotel Management System is a Customized and user-friendly website for Hotel. It has been designed to automate, manage and look after the over- all processing of even very large hotel. It is capable of managing Enquiry details, Customer Details, Payment Details etc. Hotel Management System is a Customized and user-friendly website for Hotel which provide information about the hotel rooms and services.

It provides the facility of online hotel booking and room enquiry from its website.

Hotel Management System is offering a maximum of stability, cost-effectiveness and usability. It provides the most flexible and adaptable standards management system solutions for hotel.

Future Scope and Future Enhancement of the Project

This project “HOTEL MANAGMENT SYSTEM” can be used in the hotel after adding some more useful modules in the project for which the hotel is providing services. Utmost care and back-up procedures must be established to ensure 100% successful implementation of the computerized hotel system. In case of system failure, the organization should be in a position to process the transaction with another organization or if the worst comes to the worst, it should be in a position to complete it manually.

Reference

Following are the reference which help me to made up this synopsis

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- iii. <https://www.w3schools.com/>
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- vi. <https://www.apachefriends.org/index.html>
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