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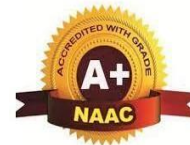
BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

NACC Accredited Institution*

(Recognized by Govt. of Karnataka, approved by AICTE, New Delhi & Affiliated to
Visvesvaraya Technological University, Bealagavi)

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Ballar1-583 104 (Karnataka) (India)

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

A DBMS Mini Project Report

On

“HOTEL MANAGEMENT SYSTEM”

Submitted By

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Visvesvaraya Technological University

Belagavi, Karnataka

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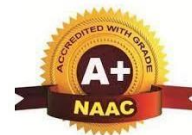
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CERTIFICATE

This is to certify that the DBMS Mini Project entitled “---- **Hotel Management System** ”
has been successfully presented by **SANKET NAIK** bearing **3BR20CS147** a student of V
semester B.E. for the partial fulfillment of the requirements for the award of **Bachelor Degree
in Computer Science & Engineering** of the VISVESVARAYA TECHNOLOGICAL
UNIVERSITY during the academic year 2022-2023

Signature of Guide(s)

Signature of HOD

Dr. R.N. Kulkarni

Abstract:-

The purpose of Hotel Management System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Hotel Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

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Chapter 1:

1.1 INTRODUCTION

The hotel management system is a web-based application that allows the hotel manger to handle all activities online. Hotel management project provides room booking staff management and other necessary hotel management features.

1.2 PROBLEM STATEMENT

To design and develop web-based Hotel Management System for maintaining Customers details, room details and includes details about the bookings in the hotel.

1.3 DBMS

A database management system (or DBMS) is essentially nothing more than a computerized data-keeping system. Users of the system are given facilities to perform several kinds of operations on such a system for either manipulation of the data in the database or the management of the database structure itself. In this Data base management System is use as background to store all the data of hotel like customers, rooms, profit, billing, address etc. And also booking list and what type of room the customer has booked.

1.3 SQL

A SQL stands for Structured Query Language. SQL lets you access and manipulate databases. SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.

SQL can execute queries against a database, CAN retrieve, insert records, update records, delete records in data a database. can create new tables, create stored procedures in databases, can also create views in a database, set permissions on tables, procedures, and views.

1.4 FRONT END

The layer above the back end is the front end and it includes all software or hardware that is part of a user interface. Human or digital users interact directly with various aspects of the front end of a program, including user-entered data, buttons, programs, websites and other features.

Basically, there are many front-end languages that can be used in day-to-day life to create a web page in this project we have used CSS and HTML.

The HTML (Hypertext Markup Language) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

The CSS (Cascading Style Sheets) is used to style and layout web pages — for example, to alter the font, color, size, and spacing of your content, split it into multiple columns, or add animations and other decorative features.

Chapter 2:

REQUIREMENTS SPECIFICATION

2.1 SOFTWARE REQUIREMENTS

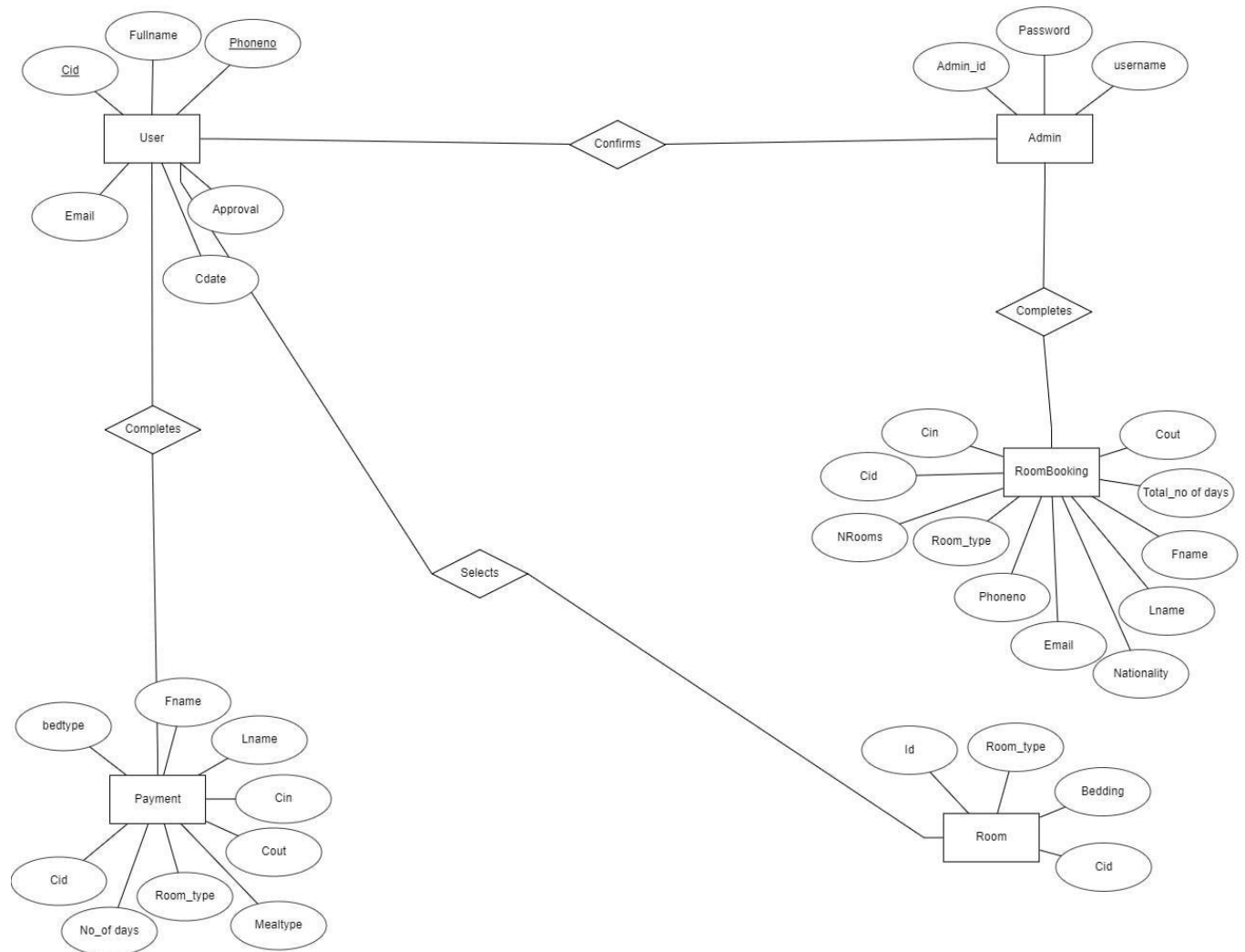
The software requirements include:

- Notepad
- XAMP (A web server by Apache)
- Google Browser (Latest Version)
- Front end design: CSS, HTML, Java script, Bootstrap
- Backend design: PHP

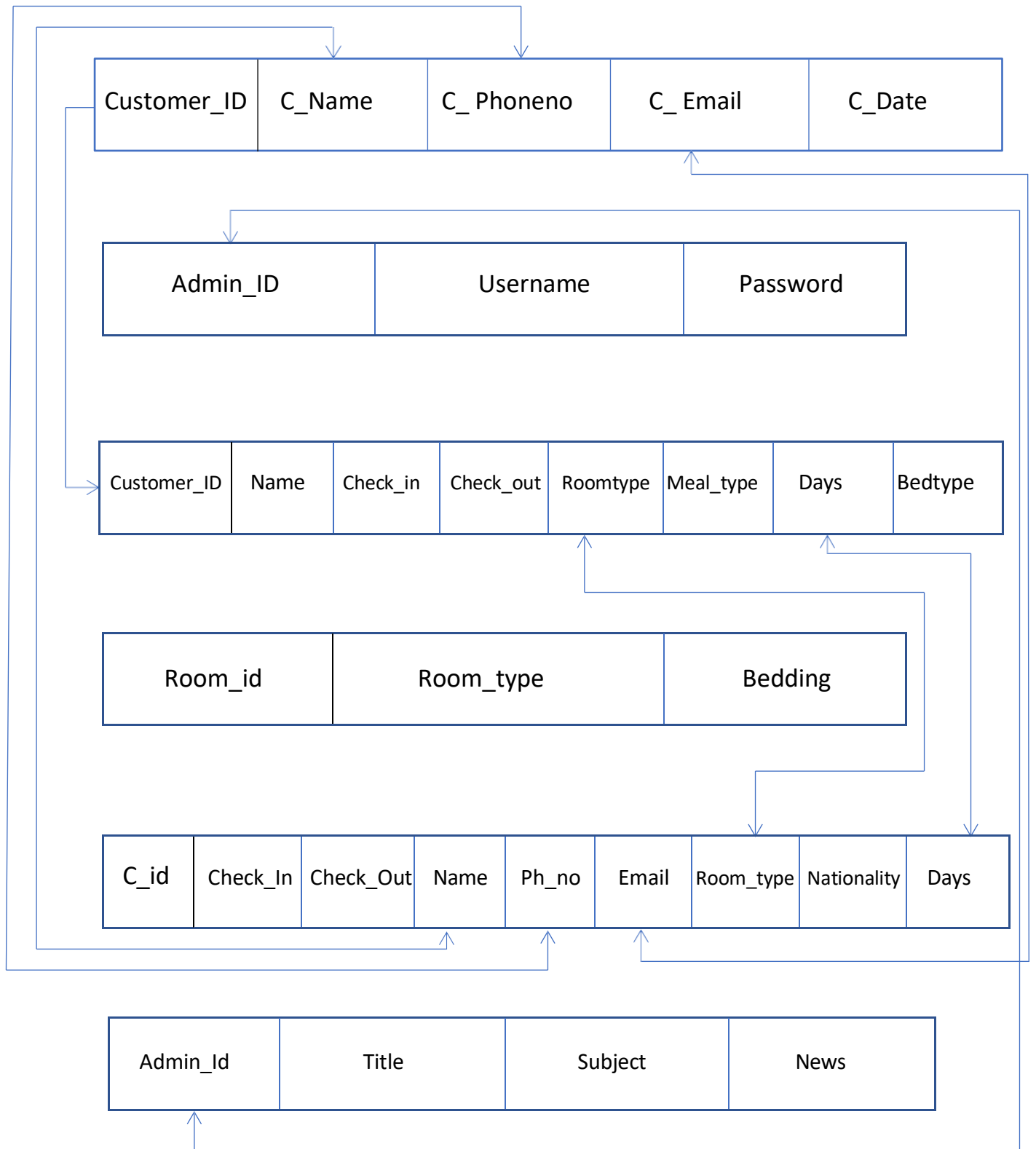
2.2 HARDWARE REQUIREMENTS

- Processor: Intel(R) Core(TM) i5-10210U CPU @ 1.60GHz 2,11GHz
- RAM: 8GB
- Hard disk: 256TB
- 2.2 Software requirements
- OS: Windows 11

ER-Diagram:-



Schema Diagram:-



Chapter 4:

IMPLEMENTATION

1.1 MODULES

- **RESERVATION**

Reservation consist of personal information and reservation information where as in the personal information the customer should provide the title, first name , last name, email ID, nationality whether the customer is Indian or Non-Indian, the passport country and the phone number. And when it comes to the reservation information the customer should suppose to fill up the type of room, bedding type, number of rooms need to be booked, meal plan, and finally the check in date and a check out date. After filling up all the details the customer should enter the random verification code which is displayed below after entering the correct code the booking application will be sent to the admin.

- **ADMIN LOGIN**

This will take into admin page of the website containing the username or email and a password so that admin could login and take the decisions to confirm the booking of room.

Input- username and password.

Output- lands to a dashboard page.

- **STATUS**

After successful login it will land into the status as a landing page which contains the details such as

1. New room bookings
2. Booked rooms done in the hotel
3. Details of the customer
4. Followers

- **PAYMENT DETAILS**

In Payment, It consist of the complete record of the customers like Name, Room type, Bed type , check in and check out date , number of rooms booked, type of meal that is selected by the customer all these details will be mentioned along with the overall grand total bill will be generated.

Along with that there's a search option which is used to search the customer with their Particular name which make easy to access rather than checking each and everyone one by one.

- **NEWS LETTERS**

News letters can be used to send some news and notifications to the customers from the management of the hotel to have some interaction between hotel management and customer.

- **PROFIT**

In this page, it displays the total profit earned as per according to the months and days depending on the number of customer booked the rooms and taken the meals type and overall payment they paid depending on that the profit is generated.

- **ROOM SETTINGS**

Main menu consist of three categories where the admin can customize depending upon the availability and the three categories are

1. Room status :- Where the admin can check the status of the room whether the room is full or it is vacant depending upon the availability.
2. Add rooms:- The admin can add the rooms.
3. Delete rooms:- The admin can delete the rooms.

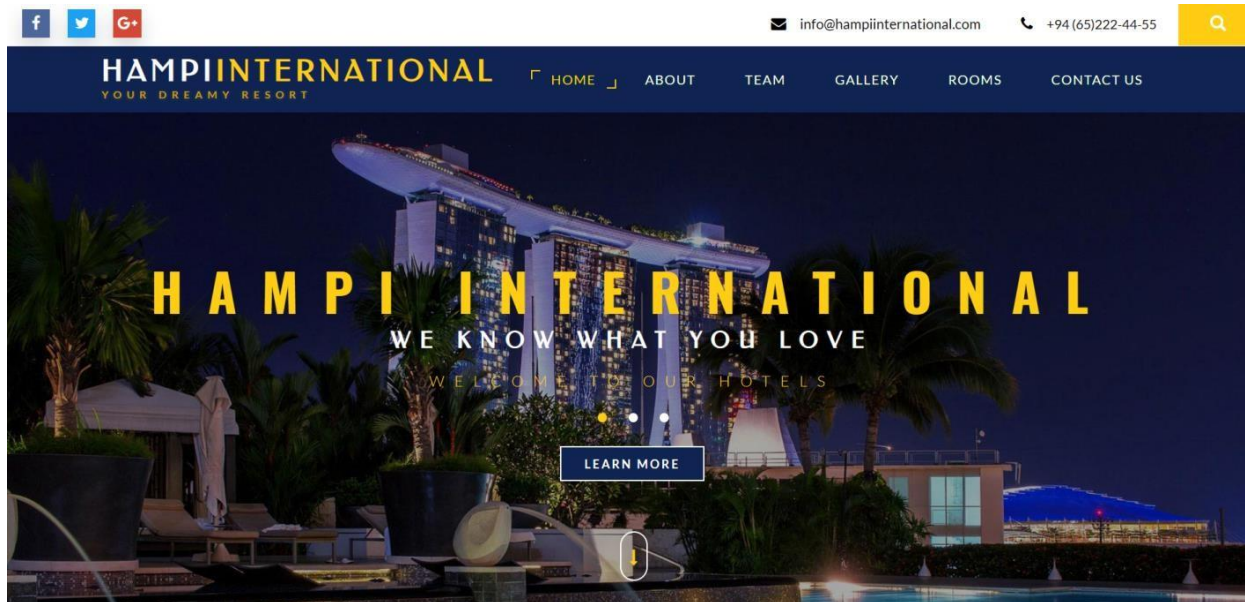
- ADMIN PROFILES

The authority holder can add the admins set them their admin ID and password and they can create the admin's user profile.

Chapter 5:

SNAPSHOTS

Home Page



Room Types

Rooms And Rates

 <p>Deluxe Room</p> <p>★★★★☆</p> <p>\$ 320 Book Now</p>	 <p>Luxury Room</p> <p>★★★★☆</p> <p>\$ 220 Book Now</p>	 <p>Guest House</p> <p>★★★★☆</p> <p>\$ 180 Book Now</p>	 <p>Single Room</p> <p>★★★☆☆</p> <p>\$ 150 Book Now</p>
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Reservation

[Homepage](#)

RESERVATION

PERSONAL INFORMATION

Title*

First Name

Last Name

Email

Nationality* ☒ Indian ☐ Non Indian

Passport Country*

Phone Number

RESERVATION INFORMATION

Type Of Room *

Bedding Type

No.of Rooms *

Meal Plan

Check-In
dd-mm-yyyy

Check-Out
dd-mm-yyyy

HUMAN VERIFICATION

Type Below this code 1317382032

Enter the random code

Submit

Admin login

Username

LOGIN

HAMPI INTERNATIONAL HOMEPAGE

Status

ADMIN

Status

News Letters

Room Booking

Payment

Profit

Logout

Status Room Booking

New Room Bookings 2

#	Name	Email	Country	Room	Bedding	Meal	Check In	Check Out	Status	More
7	LKJH JHGFD	S@gmail.com	India	Deluxe Room	Single	Room only	2023-01-28	2023-01-29	Not Conform	Action
8	dsfa rhrrh	gxfgxr@gmail.com	India	Guest House	Double	Half Board	2023-01-06	2023-01-15	Not Conform	Action

Booked Rooms 3

Followers 0

Payment Details

ADMIN

Status

News Letters

Room Booking

Payment

Profit

Logout

Payment Details

10 records per page

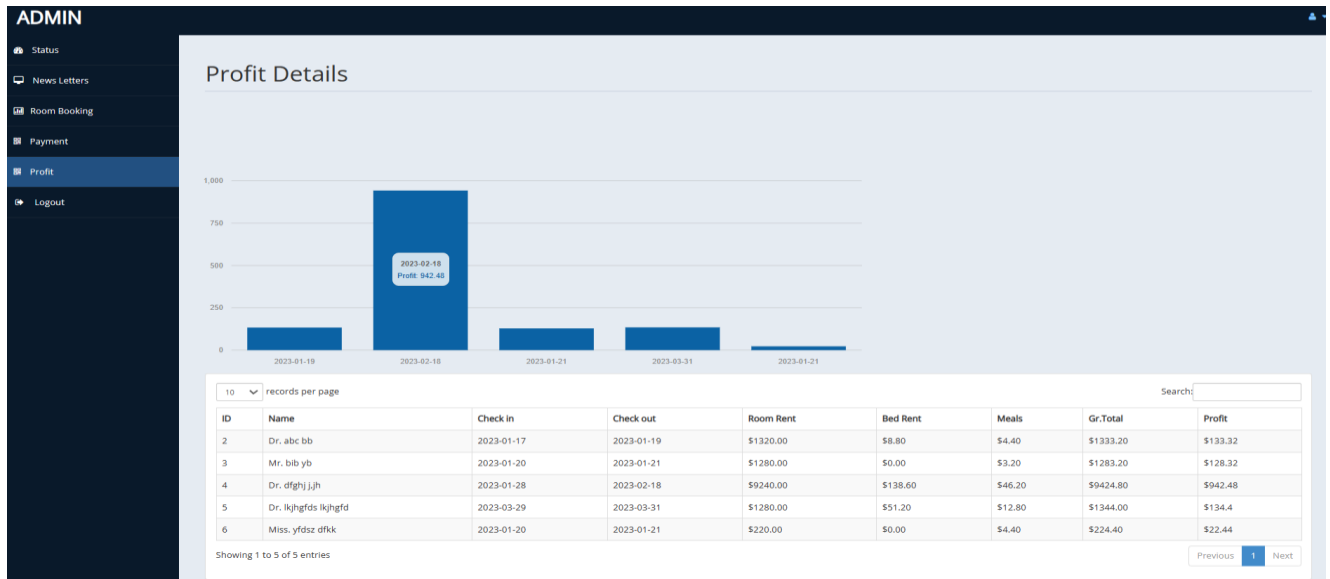
Search:

Name	Room type	Bed Type	Check in	Check out	No of Room	Meal Type	Room Rent	Bed Rent	Meals	Gr.Total	Print
Dr. abc bb	Deluxe Room	Single	2023-01-17	2023-01-19	3	Breakfast	1320.00	8.80	4.40	1333.20	Print
Dr. dfgjh j,jh	Deluxe Room	Single	2023-01-28	2023-02-18	2	Half Board	9240.00	138.60	46.20	9424.80	Print
Dr. lkjhgfds lkjhgf	Superior Room	Double	2023-03-29	2023-03-31	2	Full Board	1280.00	51.20	12.80	1344.00	Print
Miss. yfdsz dfkk	Deluxe Room	Double	2023-01-20	2023-01-21	1	Room only	220.00	0.00	4.40	224.40	Print
Mr. bib yb	Superior Room	Single	2023-01-20	2023-01-21	4	Room only	1280.00	0.00	3.20	1283.20	Print

Showing 1 to 5 of 5 entries

Previous 1 Next

Profit



Bill generated

INVOICE

HAMPI INTERNATIONAL HOTEL,
Station Road Hospet,
Karnataka,
India.
(+94) 65 222 44 55

HAMPI INTERNATIONAL

Dr.abc bb

Invoice #	2
Date	2023-01-19

Item	No of Days	Rate	Quantity	Price
Deluxe Room	2	\$220	3	\$1320.00
Single Bed	2	\$2.2	3	\$4.40
Breakfast	2	\$4.4	3	\$8.80

Total	\$1333.20
Amount Paid	\$0.00
Balance Due	\$1333.20

CONTACT US

Email :- info@hampiinternational.com || Web :- www.hampiinternational.com || Phone :- +94 65 222 44 55

Room Settings

MAIN MENU

Room Status

Add Room

Delete Room

Available Rooms

Single

Superior Room

Double

Superior Room

Triple

Superior Room

Quad

Single Room

Quad

Superior Room

Single

Deluxe Room

Double

Deluxe Room

Triple

Deluxe Room

Quad

Deluxe Room

Single

Guest House

Double

Guest House

Quad

Guest House

Single

Single Room

Double

Single Room

Triple

Single Room

Admin profiles

MAIN MENU

User Dashboard

ADMINISTRATOR accounts

User ID	User name	Password	Update	Remove
1	Admin	1234	<div>Update</div>	<div>Delete</div>
2	Prasath	12345	<div>Update</div>	<div>Delete</div>

Add New Admin

Conclusion

The Report gives an overview of functioning of Hotel Management System. This software takes care of all the basic requirements of the hotel and is capable to provide easy and effective information about the availability of rooms, booked rooms, customer details who have checked into the hotel, staff working in hotel. total earnings of the hotel. This system takes the feedback from the customers for further improvement. It generates statistical analysis of the staff details and hotel expenses in the form of charts.

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