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A Project Report

On

HOTEL MANAGEMENT SYSTEM

INTERNET AND WEB PROGRAMMING – CSE 3002

B1-SLOT

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SUBMITTED TO

Prof. NALINI N

DECLARATION

I here by declare that the report entitled “**Hotel management system**” submitted by me, for the CSE3002 Internet and web programming to VIT is a record of bonafide work carried out by me under the supervision of prof. NALINI N. I further declare that the work reported in this report has not been submitted and will not be submitted, either in part or in full, for any other courses in this institute or any other institute or university.

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Thank You,

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1.ABSTRACT:

Online Hotel Management System is a web application developed for effective handling and overall management of hotel works. Online Hotel Management System focuses on helping the customers to view and book the room and hotel administrator in tasks like room booking process, hotel reservation process, viewing reports etc. this method creates a friendly and service motive working environment in hotels. we've tried to design the Project such that user might not have any difficulty in using this package & further modifications are possible without much effort. We are confident that this software package is readily used by non-programming personal avoiding human handled chance of error. This project is employed by two kinds of users:-

- i. Online Users.
- ii. Administrator (management of the Hotel).

KEYWORDS

Hotel, Online booking, Reservation, Internet

2. INTRODUCTION

2.1 Introduction

Our project, hotel management system is a web application that gives the flexibility to the hotel administrator to handle all hotel activities online. Interactive GUI and also the ability to manage various hotel bookings and rooms make this method very flexible and convenient. The administrator may be a very busy person and doesn't have the time to take a seat and manage the whole activities manually on paper. This application gives him the ability and adaptability to manage the complete system from one online system. This provides room booking, checking the available rooms and other necessary hotel management facilities. The system allows the administrator to post available rooms within the system. Customers can view and book room online whatever he likes. Admin has the ability of either approving or disapproving the customer's booking request. Other hotel services also can be viewed by the customers and may book them too. This project is hence useful for both administrators and customers to manage the hotel activities.

2.2 Requirement Analysis

Customer Expectations:

- Room booking capability
- Cancelling booked rooms
- Pictures of room

Admin Expectations:

- Handling customer bookings
- Rooms are to be categorized by prices and facilities.
- Managing Payments
- Handling rooms

2.3 Functional Requirements

- Admission of a New Customer
- Customer can login if he is existing user
- Customer can book a room after logging in.
- Customer can check booking status.
- Customer can update his/her profile.
- Customer can cancel his/her booked room.
- Admin must login for accessing admin portal.
- Admin can check feedback forms.
- Admin can update his his/her portal.
- Admin can check list of rooms available and can also update it.
- Admin has access to room registration log.

2.4 Non Functional Requirements

- Customer can give feedback about the facilities
- Customer details are taken for booking a room
- Check in and Check out dates of customers

- The graphical user interface should feel comfortable
- System must be easy to use, efficient and accessible
- System should keep tracks of documentation and activities
- Total bill must be made after the checkout of the rooms by customer
- Data in database of system should not have any loss or damage

2.5 System Requirements

- Any system having a web browser can access the website.

2.6 H/W Requirements (details about Application-Specific Hardware)

- Processor: Pentium IV or above
- Hard Disk: 250mb or above
- Ram: 2Gb
- CPU Speed: 2.6 GHz
- Monitor: Tft/Ips(display), 1920X1280(Recommended)
- Mouse: Optical mouse/Track Pad

2.7 S/W Requirements(details about Application-Specific Software)

- Operating System: Windows 10
- IDE Tool: Notepad++
- Framework: struts2(Apache)
- Client-side Scripting: JavaScript, HTML, CSS
- Server-Side Scripting: PHP MyAdmin
- Programming Language: Java
- Database: MySQL

RELATED WORK/LITERATURE SURVEY: 4-7 PAGES

[1] Chanchai has presented framework for PHP for database management based on the MVC pattern, The MVC pattern is very useful for the architecture of web applications separating the model controller and view of a web app. In addition white box testing for code verification has been used in their module.

[2] Talks about SQL injection attacks that are a major security threat for web applications. The open web application security project which is an international organization has placed SQL injections among the top ten attacks that a web application can have. The author further talks about solutions that can be given to avoid these attacks one of which is placing powerful network sql injection intrusion detection systems. The paper analyses various latest techniques in sql injection attacks and its prevention methods.

[3] Punam Kumari and Rainun Nandal discussed various useful tools and techniques that are used in development of a website, they discussed about the procedure follow in a website mostly focused on a local host named xampp. Then they compared different web apps, development frameworks and discuss the life framework development and cycle model of web applications.

[4] Sushant Kumar Bhandi has discussed useful tips and techniques that are used while developing a professional website and tackling those problems, they have also discussed the appropriate architecture patterns that should be used in a website. Then he has went through common problems faced by the user and understand tvarious technical terms such as code reusability,deployment, production, requirement gathering, etc.

[5] In this paper Poornima and Girish Naik have focused on implementation of object oriented programming concepts in PHP with special emphasis on encapsulation ,polymorphism and encapsulation. They have explored XAMPP in a larger detail and have given an insight to its core working.

[6] In this paper Ramesh Nagilla have compared various web developement technologies . Many technologies like Cold Fusion Mark up Language (CFML) Active ServerPages (ASP.NET) , Ruby on rails , PHP are available in the market. These technologies are useful for achieving

goals of business organizations. Many points are taken in to consideration by the author in order to differentiate them and conclude which technology is finally better.

[7] Author Fhery Agustin and Helmi compare the quality between Appserv and Xampp webserver . After comparing on various factors they came to conclusion that xampp earn 0.4185 points and Appserv only earn 0.3996 points hence rendering Xampp to be worthy to be recommended to programmers as a base web application server that is more reliable.

[8] This paper talks about the whole installation and configuration process of XAMPP apache server and step by step tutorial on developing an address book program and connecting MySQL database package.

EXISTING SYSTEM:

The organization was using the standard methods (Excel Sheet or Register) for keeping the data about Hotel Management System i.e. records of hotel management system activities. It had been quite laborious task & involves large number of data records deployed for this purpose.

DISADVANTAGES:

- The system is additionally vulnerable to insecurities.
- Processing of application manually takes lots of your time.
- The staff is additionally deviated from its main stream work, by paying more time to manual processing of data. As a result need of employing more staff is being felt, which involves plenty of expenditure.
- This manual doesn't help Head of the hotel in taking decisions at various levels.
- Lots of your time is additionally wasted in summing up records & repairing day wise reports of activities happened on server.

PROPOSED WORK:

To remove all the disadvantages of conventional methods, a system is proposed which is an automation of Hotel Management System. Hotel Management System is a project to keep up the record of Hotel Management System activities. So this Hotel Management System is used to computerize of these activities.

There are two types of users:

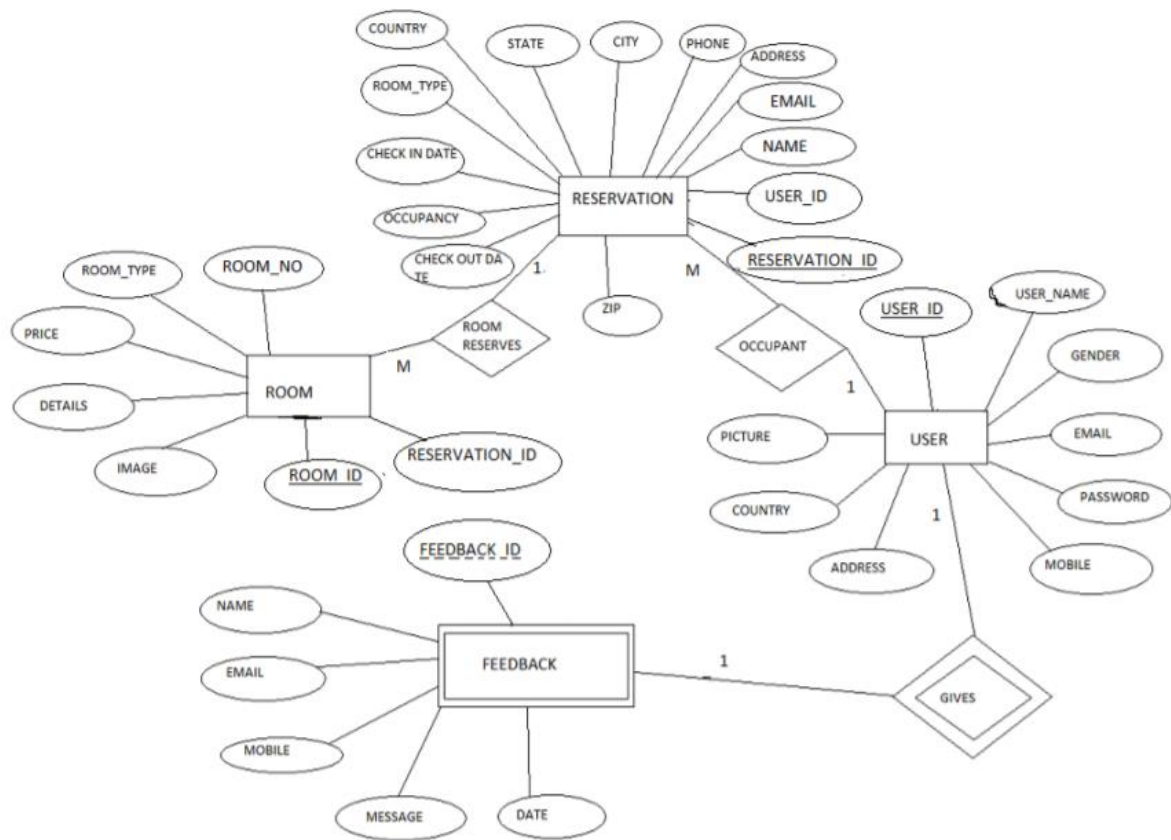
- 1) Admin
- 2) General User

With the assistance of this project we reduced task deployed for data/information collection to a large extent thereby eliminating the human errors considerably. Therefore the organization has realized the requirement for automating the various daily routine activities of hotel & task of data/information collection with the assistance of database designing. it's been conceived as a powerful tool to assist the corporate in maintaining the varied activities of the hotel. it's several benefits over other already existing applications.

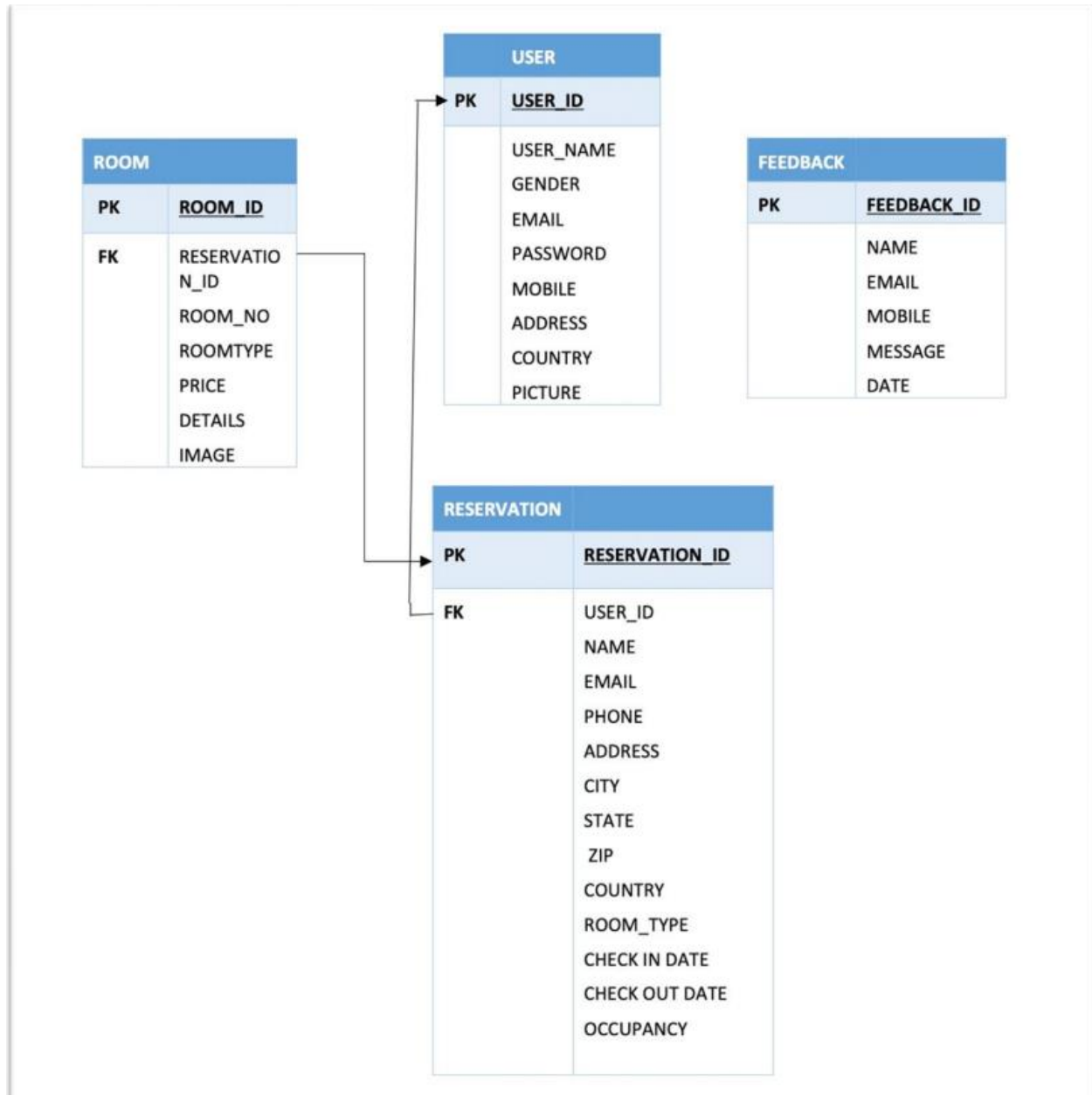
Advantages:

- In case of data loss back up facility is provided.
- Faster retrieval of data.
- The number of pages being used for the data storage will be reduced.
- Cost benefits

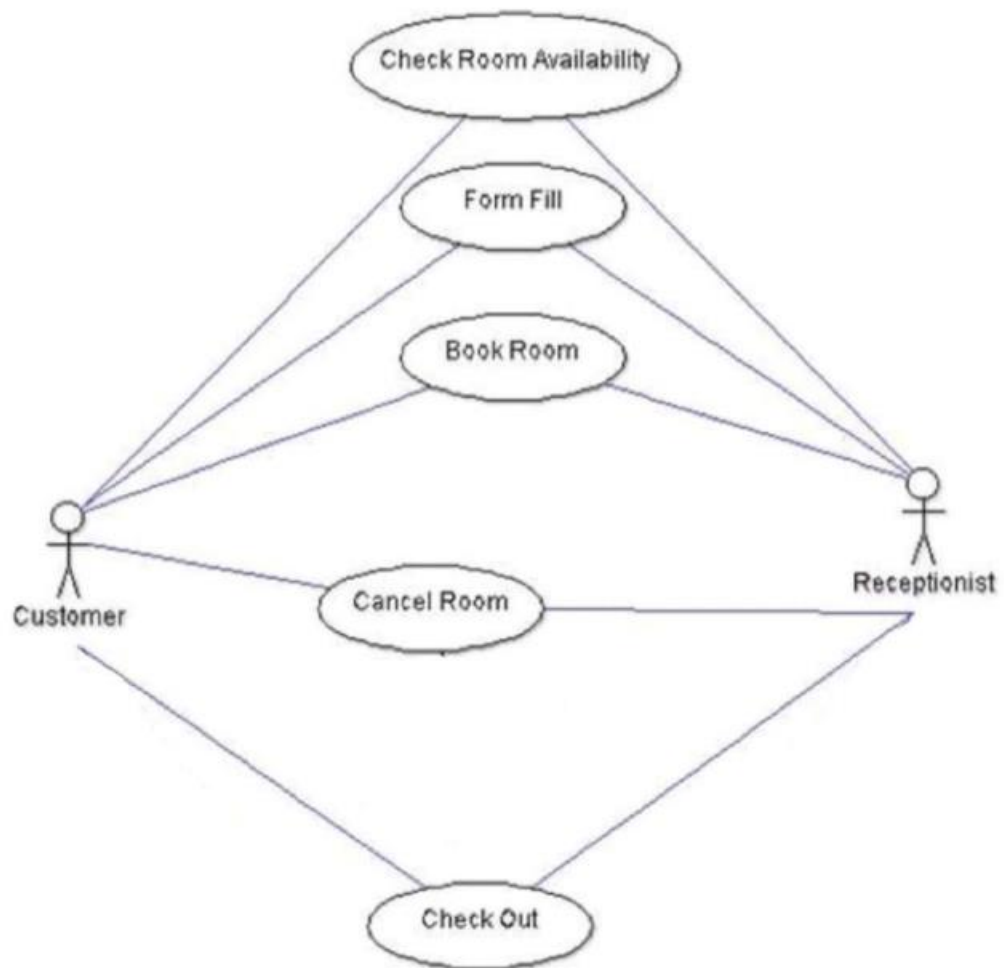
ER DIAGRAM:



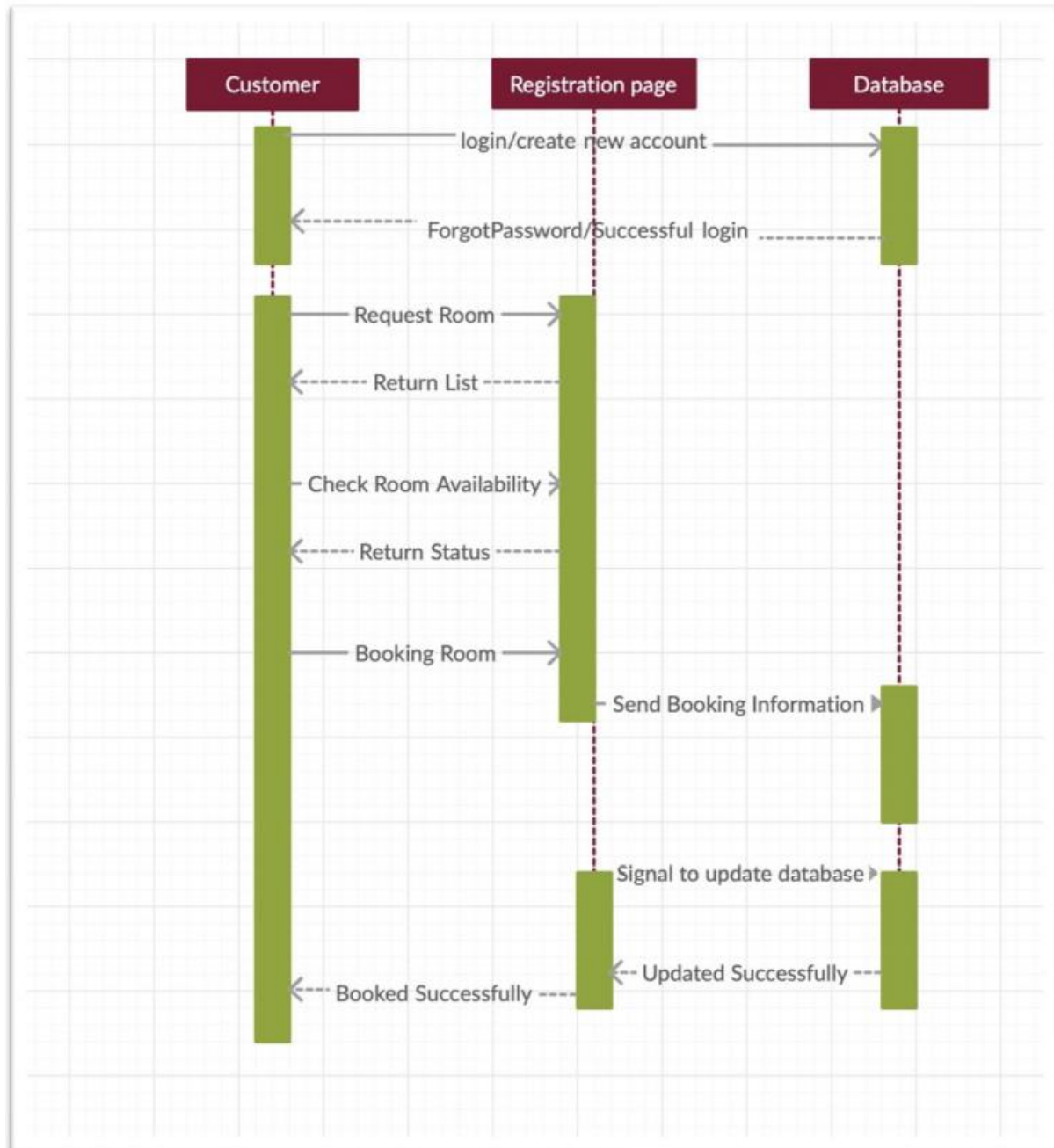
SCHEMA DIAGRAM:



USE CASE DIAGRAM:

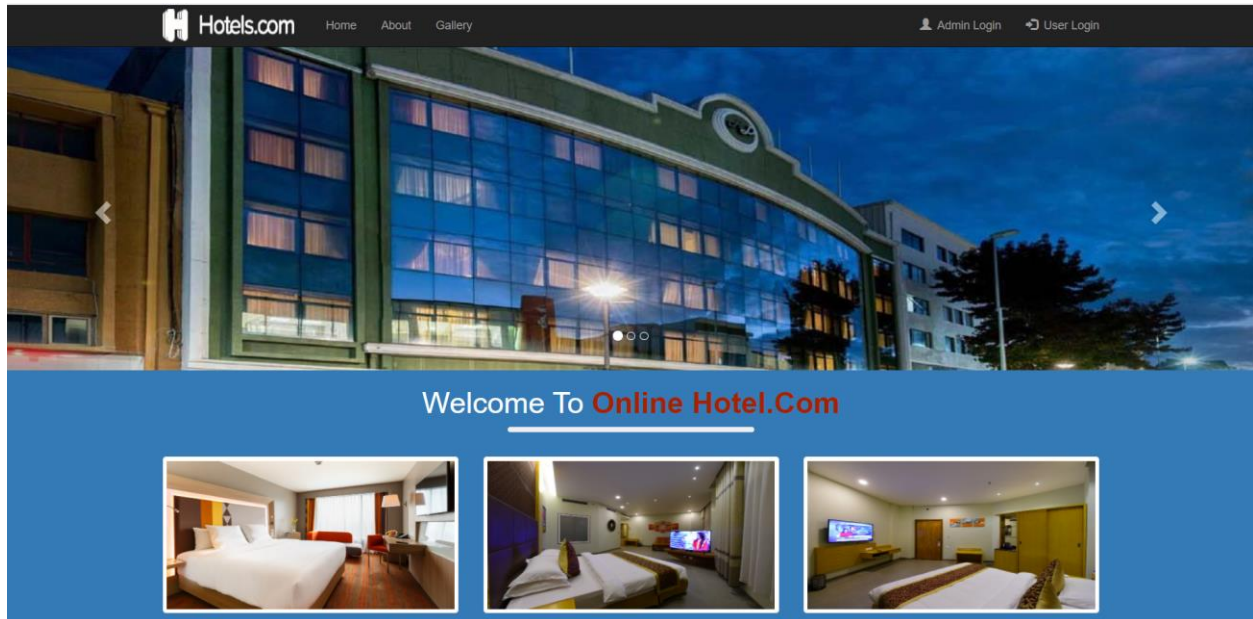


SEQUENCE DIAGRAM;

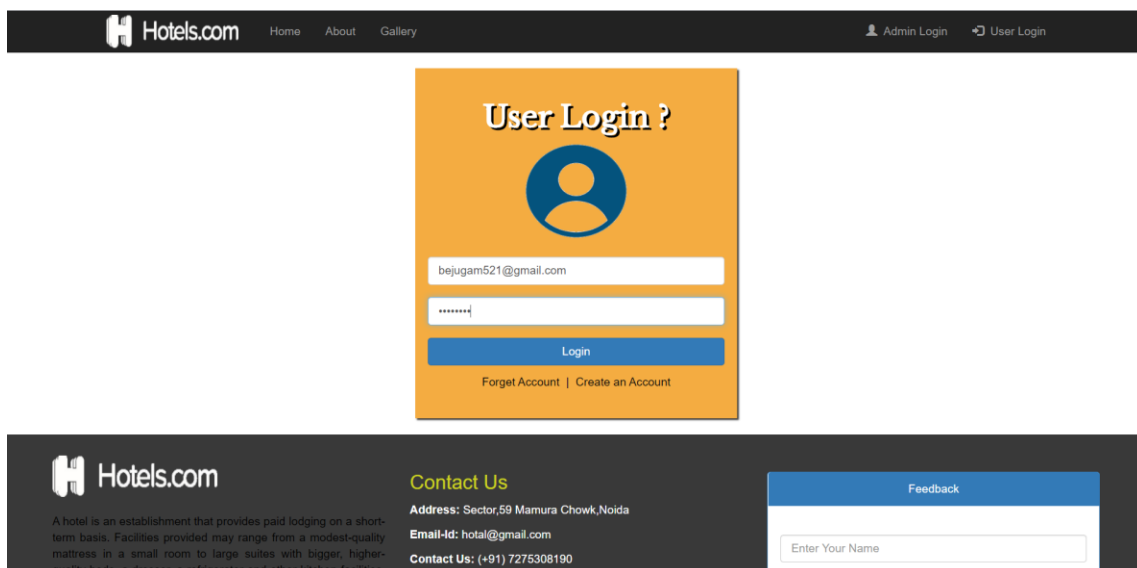


Experiments/Results: 2-3 Pages


HOME PAGE



USER LOGIN



BOOKING FORM

 [Home](#) [About](#) [Gallery](#) [Admin Login](#) [View Status](#)

[BOOKING Form]

Name :

shiva

Email :

bejugam521@gmail.com

Mobile :

6303635187

Address :

hyderabad

Country :

INDIA

Room Type:

Deluxe Room

check In Date :

10/28/2020

Check In Time:

02:00 PM


Check Out Date :

10/30/2020

Occupancy :

☒ Single ☐ Twin ☐ Dubble

submit

 [Home](#) [About](#) [Gallery](#) [Admin Login](#) [View Status](#)

[BOOKING Form]

You have Successfully booked this room

View

Name :

Enter Your first Name

Email :

Enter Your Email-Id

Mobile :

Type Your Phone Number

Address :

Enter Your Address

Country :

Enter Your City Name

Room Type:

Deluxe Room

check In Date :

mm/dd/yyyy

Check In Time:

--:-- --

Check Out Date :

mm/dd/yyyy

Occupancy :

☐ Single ☐ Twin ☐ Dubble


submit

 [Home](#) [About](#) [Gallery](#) [Admin Login](#) [View Status](#)

[Booking Details]

Name	Email	Mobile Number	Address	Contury	Room Type	Check In Date	Check In Time	Check Out Date	Occupancy	Cancel
shiva	bejugam521@gmail.com	6303635187	hyderabad		Deluxe Room	2020-10-28	14:00	2020-10-30	single	Cancel

USER PROFILE

 [Home](#) [About](#) [Gallery](#) [Admin Login](#) [View Status](#)

User Profile

Name :


Email-Id:

Password:

Mobile:

Address:

Gender: ☒ male




A hotel is an establishment that provides paid lodging on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites with bigger, higher-quality beds, a dresser, a refrigerator and other kitchen facilities, upholstered chairs, a flat screen television, and en-suite bathrooms. Small, lower-priced hotels may offer

Contact Us


Address: Sector,59 Mamura Chowk,Noida
Email-Id: hotel@gmail.com
Contact Us: (+91) 7275308190


Feedback

ADMIN LOGIN

 [Home](#) [About](#) [Gallery](#) [User Login](#) [Admin Login](#)

Admin Login ?





A hotel is an establishment that provides paid lodging on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites with bigger, higher-quality beds, a dresser, a refrigerator and other kitchen facilities, upholstered chairs, a flat screen television, and en-suite

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Address: Sector,59 Mamura Chowk,Noida
Email-Id: hotel@gmail.com
Contact Us: (+91) 7275308190


Feedback

ADMIN PROFILE

Welcome admin@gmail.com [Profile](#) [Logout](#)

[Update Password](#)
[Feedback](#)
[Room](#)
[Booking Details](#)
[User Registration](#)
[Slider](#)
[Payment](#)
[Setting ▾](#)

Admin Profile



Name:

Password:

ROOM BOOKING DETAILS

Welcome admin@gmail.com [Profile](#) [Logout](#)

[Update Password](#)
[Feedback](#)
[Room](#)
[Booking Details](#)
[User Registration](#)
[Slider](#)
[Payment](#)
[Setting ▾](#)

Room Booking Details

Sr No	Name	Email	Mobile Number	Address	Room Type	Check In Date	Check Out Time	Check Out Date	Occupancy	Cancel Order
1	Sumit	sumit@gmail.com	7398713060	kolpanday,azamgarh	Deluxe Room	2019-12-05	12:00	2019-01-06	single	Cancel
2	Om	om@gmail.com	7890809	bnjkgbjbjb	Deluxe Room	2019-05-08	08:00	2019-06-04	single	Cancel
3	Ragini Vishwakarma	ragini@gmail.com	727550965	Kolpanday,Kolghat,Azamgarh	Standard Room	2019-12-06	08:00	2019-12-06	single	Cancel
4	Anlaji viahwakarma	anjali@gmail.com	7275308190	kolpanday azamgarh	Standard Room	2019-12-06	08:00	2019-12-06	single	Cancel
5	sanjeev	sanjeevtech2@gmail.com	0	dfjdlfj	Suite Room	2019-05-22	22:57	2017-10-31	single	Cancel

localhost:8080/dashboard/dirtyfish/admin/dashboard.php?option=booking_details#

SLIDER SETTINGS

Welcome admin@gmail.com

ProfileLogout

Update Password

Feedback

Room

Booking Details







User Registration

Slider

Payment

Setting ▾

Add New

Sr No	Image	Caption	Update	Delete
1				✖
2				✖
3				✖

ABOUT US PAGE

Hotels.com

HomeAboutGallery

Admin LoginUser Login

{ Hotel.com }

A hotel is an establishment that provides paid lodging on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites with bigger, higher-quality beds, a dresser, a refrigerator and other kitchen facilities, upholstered chairs, a flat screen television, and en-suite bathrooms. Small, lower-priced hotels may offer only the most basic guest services and facilities. Larger, higher-priced hotels may provide additional guest facilities such as a swimming pool, business centre (with computers, printers, and other office equipment), childcare, conference and event facilities, tennis or basketball courts, gymnasium, restaurants, day spa, and social function services. Hotel rooms are usually numbered (or named in some smaller hotels and B&Bs) to allow guests to identify their room. Some boutique, high-end hotels have custom decorated rooms. Some hotels offer meals as part of a room and board arrangement. In the United Kingdom, a hotel is required by law to serve food and drinks to all guests within certain stated hours.[citation needed] In Japan, capsule hotels provide a tiny room suitable only for sleeping and shared bathroom facilities. The precursor to the modern hotel was the inn of medieval Europe. For a period of about 200 years from the mid-17th century, coaching inns served as a place for lodging for coach travelers. Inns began to cater to richer clients in the mid-18th century. One of the first hotels in a modern sense was opened in Exeter in 1768. Hotels proliferated throughout Western Europe and North America in the early 19th century, and luxury hotels began to spring up in the later part of the 19th century. Hotel operations vary in size, function, complexity, and cost. Most hotels and major hospitality companies have set industry standards to classify hotel types. An upscale full-service hotel facility offers luxury amenities, full service accommodations, an on-site restaurant, and the highest level of personalized service, such as a concierge, room service, and clothes pressing staff. Full service hotels often contain upscale full-service facilities with a large number of full service accommodations, an on-site full service restaurant, and a variety of on-site amenities. Boutique hotels are smaller independent, non-branded hotels that often contain upscale facilities. Small to medium-sized hotel establishments offer a limited amount of on-site amenities. Economy hotels are small to medium-sized hotel establishments that offer basic accommodations with little to no services. Extended stay hotels are small to medium-sized hotels that offer longer-term full service accommodations compared to a traditional hotel.

[Services]

Full-service hotels often provide a wide array of guest services and on-site facilities. Commonly found amenities may include: on-site food and beverage (room service and restaurants), meeting and conference services and facilities, fitness center, and business center. Full-service hotels range in quality from mid-scale to luxury. This classification is based upon the quality of facilities and amenities offered by the hotel. [8] Examples include: Holiday Inn, Kimpton Hotels, Hilton, Marriott, and Hyatt Regency brands.

Showing rows 0 - 7 (8 total, Query took 0.0005 seconds.)

SELECT * FROM `create_account`

Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	name	email	password	mobile	address	gender	country	picture
<input type="checkbox"/>	4	sunil Vishwakarma	amitvish9999@gmail.com	8190	7275308190	kolpanday,azamgarh	male	China	img2.png
<input type="checkbox"/>	7	suraj vishwakarma	suraj@gmail.com	8190	9120140055	kolpanday,azamgarh	male	India	Capture.PNG
<input type="checkbox"/>	8	Om	om@gmail.com	8090	7890809	bnjghbjb	male	india	
<input type="checkbox"/>	9	Ragini Vishwakarma	ragini@gmail.com	1234	7275540965	kolpanday(Kolghat)Azamgarh	male	India	6cy5bLaei.jpg
<input type="checkbox"/>	10	Anjali Vishwakarma	anjali@gmail.com	123	7275308190	kolpanday azamgarh	male	India	God_Shiva_Wallpaper.jpg
<input type="checkbox"/>	11	mrityunjai	mr8090@gmail.com	8190	71727534567	kolpgha	male	India	amazing-shiv-shankar-images-3d-shiva-on-pinterest..
<input type="checkbox"/>	12	sanjeev	sanjeevtech2@gmail.com	1234	9015501897	Noida	male	India	20171120_175518.jpg
<input type="checkbox"/>	13	shiva	bejugam521@gmail.com	shiva521	6303635187	hyderabad	male	India	WhatsApp Image 2020-10-13 at 6 52 44 PM.jpeg

Number of rows: 25 Filter rows: Search this table Sort by key: None

Future work:

Adding some more useful modules in our project can be used in the hotel based on the services provided by the hotel. Now a days many other facilities are provided by hotels, therefore improvements in the hotels also improves the project

To ensure 100% successful implementation of the online hotel system utmost care and back-up procedures must be established. Organization should be in a position to process the transaction with another organization or it should be in position to complete it manually in case of any system failure

Conclusion:

Hotel management system is a computerized management system. This method keeps the records of hardware assets besides software of this organization. The proposed system will keep a track of Residents, accounts and generation of report regarding the current status. This project has GUI based software which will help in storing, updating and retrieving the data through various user-friendly menu-driven modules. The project “Hotel Management System” is aimed to develop to keep up the day-to-day state of admission/Vacation of Residents, List of Workers, etc. Main objective of this project is to produce solution for hotel to manage most there work using computerized process. This software application will help admin to handle customers information, room allocation details, billing information etc. the existing system is a manually

maintained system. Which has disadvantages like Time Consuming, updating process, inaccuracy of knowledge. For avoiding this we introduced or proposed a brand new system in proposed system the computerized version of the existing system. Provides easy and quick access over the information

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