

**MINI PROJECT**  
**(2019-20)**

# **HOTEL MANAGEMENT WEBSITE**

## **Mid-Term Progress Report**



**Institute of Engineering & Technology**

## **Team Members**

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## **Abstract**

The objective of the project is to design Hotel Management Website which enables the manager to keep the record of the Hotel and the customers.

This Project is designed through Web technology and consists of a SQL server which acts as the database for the project.

Our motivation for the project came from our enthusiasm and strong urge to learn Full Stack with PHP which is one of the growing technologies in today's world. The Hotel Management Project mainly consists of two types of users. The customers who access the information provided by the website and the administrator who modifies and updates the information.

The system is implemented using a 3-tier approach, with a backend database, a middle tier of apache and PHP, and a web browser as the front end client. In order to develop a Hotel Management website, a number of technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting technologies, implementation technologies like PHP, and relational databases (such as MySQL).

# Introduction

## Objective

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 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 paperwork as well as manpower.

## About the Project

This project is aimed at developing a Web application that depicts online Hotel booking. In this system, the management of entire hotel is computerized. This system is designed using HTML, CSS and Javascript as a frontend and SQL server as the secured backend database.

In this project, details are maintained like customer details, reservation details, booking details and billing details. The reservation process of reserving rooms for the customers, cancelling the reserved rooms, the restaurant management, billing process etc. all is computerized and the management is done without any difficulty.

**Note:** - Hotel Management Website is available for both desktop and android. This application is entitled to solve a specific business problem.

We are confident that this software package can be readily used by non-programming personal avoiding human handled chance of error. This project is used by two types of users

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

Administrator can maintain daily updates in the hotel records. So, online users can see the required articles or news.

“HOTEL Management Website” has been designed to computerized the following functions that are performed by the system:

- Check-in customer
- Check-out customer
- Room Details
- Admission of New customer
- Check-out of customer
- Room assigning related to customer's need.

## **Hardware Requirements**

- Personal computer with internet connection
- i3 Processor Based Computer or Higher
- Memory: 2 GB RAM (Minimum)
- Hard Drive: 30 GB (Minimum)

## **Software Requirements**

- Windows 7 Or Higher
- Google Chrome Version 40.0.2214 Or Higher
- Any Web Editor like Sublime Text Or Brackets
- SQL Server 2008 Or Above

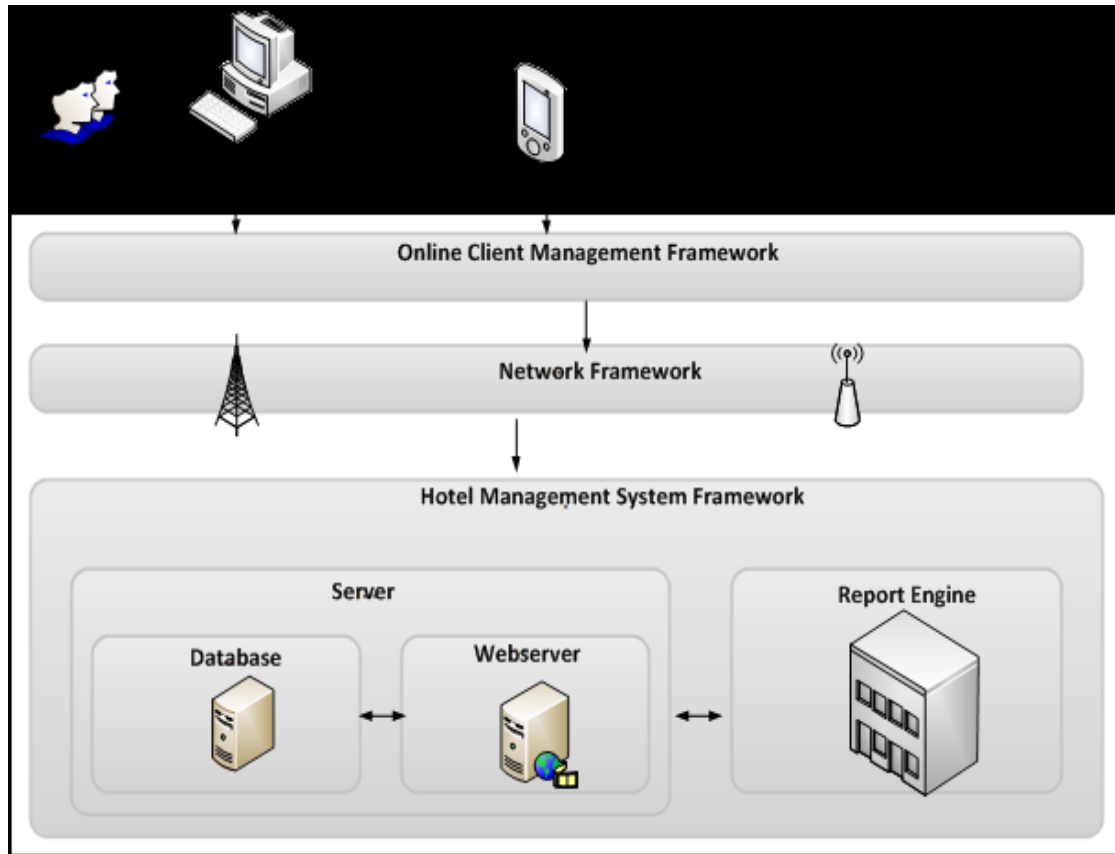
## **Frontend Tools**

- HTML
- CSS
- JavaScript
- Bootstrap

## **Backend Tools**

- PHP
- MySQL

## Methodology



**Fig 1: Architecture Framework of the Hotel Management Website**

# Implementation

- 1.) Database:** Our Hotel Management Website database name hotel which is the base of our project.

Table	Action	Rows	Type	Collation	Size	Overhead
contact	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
login	★ Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16 KiB	-
newsletterlog	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
payments	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
room	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
roombook	★ Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16 KiB	-
6 tables	Sum	2	MyISAM	latin1_swedish_ci	96 KiB	0 B

**Fig 2: Hotel Database**

- 2.) Room Booking:** It consists of all fields related to customer details and hotel formalities like bed type, meal etc.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	Title	varchar(5)	latin1_swedish_ci		Yes	NULL			Change Drop More
3	FName	text	latin1_swedish_ci		Yes	NULL			Change Drop More
4	LName	text	latin1_swedish_ci		Yes	NULL			Change Drop More
5	Email	varchar(50)	latin1_swedish_ci		Yes	NULL			Change Drop More
6	National	varchar(30)	latin1_swedish_ci		Yes	NULL			Change Drop More
7	Country	varchar(30)	latin1_swedish_ci		Yes	NULL			Change Drop More
8	Phone	text	latin1_swedish_ci		Yes	NULL			Change Drop More
9	TRoom	varchar(20)	latin1_swedish_ci		Yes	NULL			Change Drop More
10	Bed	varchar(10)	latin1_swedish_ci		Yes	NULL			Change Drop More
11	NRoom	varchar(2)	latin1_swedish_ci		Yes	NULL			Change Drop More
12	Meal	varchar(15)	latin1_swedish_ci		Yes	NULL			Change Drop More
13	cin	date			Yes	NULL			Change Drop More
14	cout	date			Yes	NULL			Change Drop More
15	stat	varchar(15)	latin1_swedish_ci		Yes	NULL			Change Drop More
16	nodays	int(11)			Yes	NULL			Change Drop More

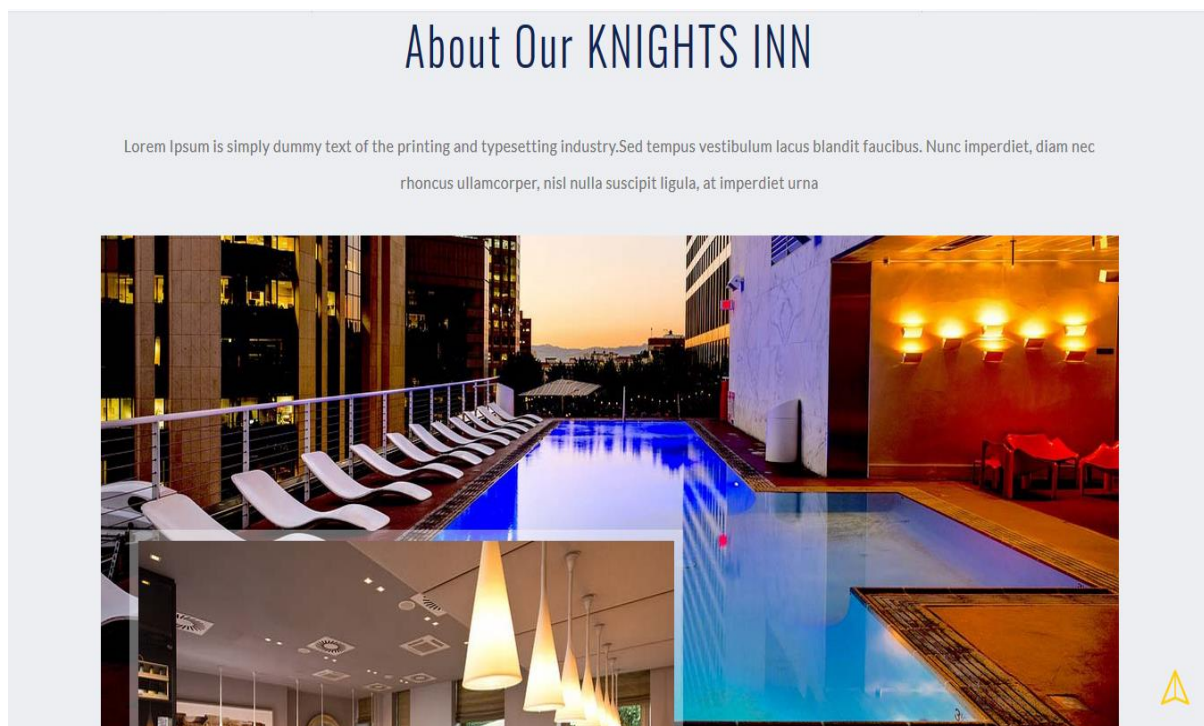
**Fig 3: room book table**

- 3) **Header:** It consists of a navigation bar which includes about part link, contact us part link and team part which shows our team members and a slider which shows different images of a hotel.



**Fig 4: Header of Home Page**

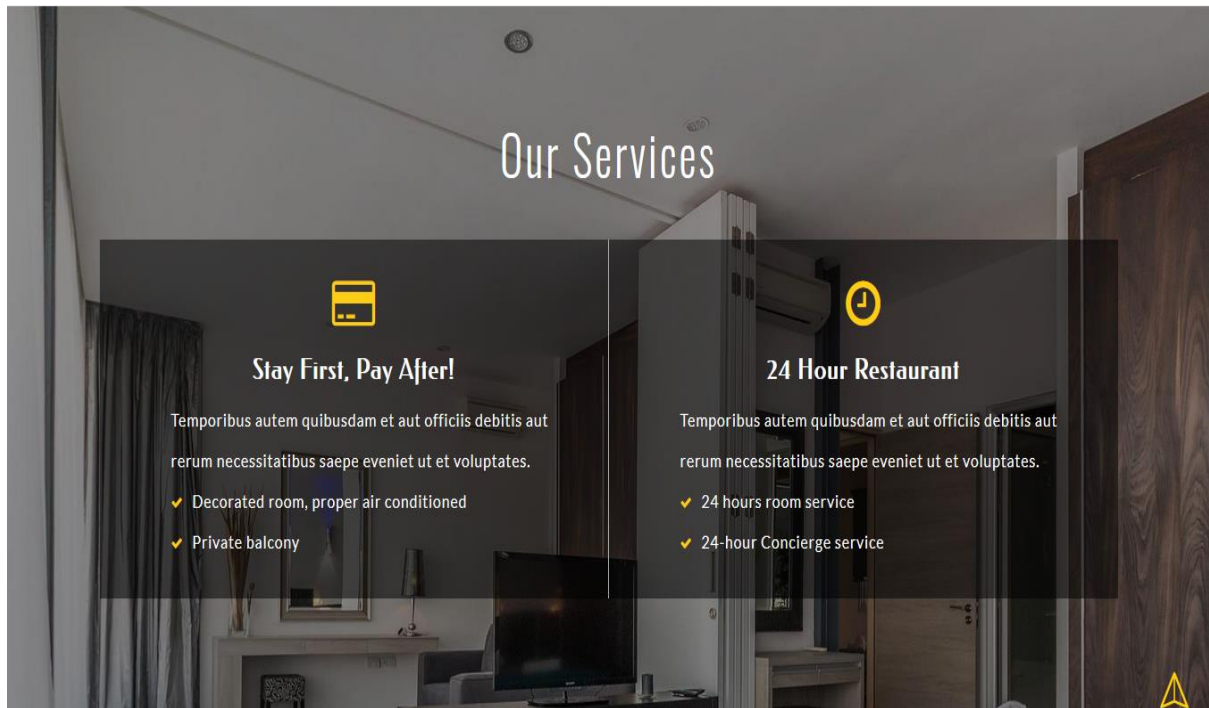
- 4.) **About:** It shows information of our Hotel and shows some different views of the hotel.



**Fig 5: About our Hote**

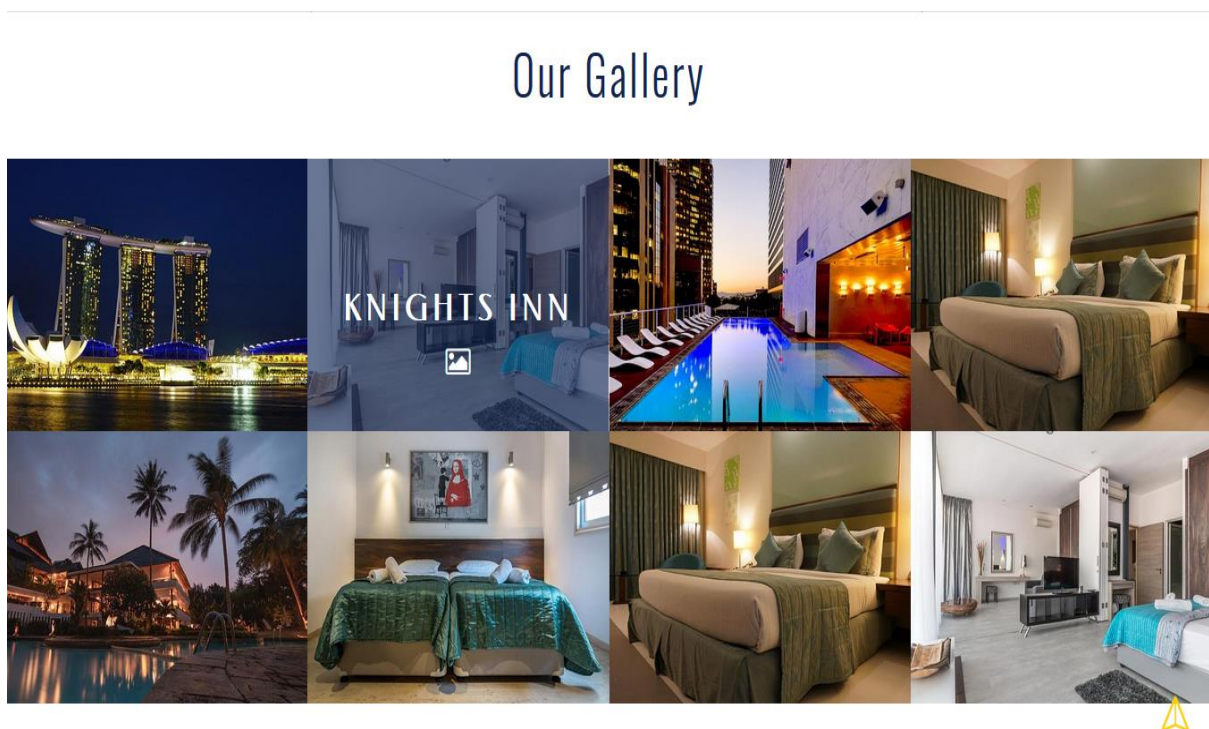


**5.) Services:** It shows what type of services our Hotel provides.



**Fig 6: Services of Hotel**

**6.) Gallery:** It shows gallery of our Hotel means full view of our Hotel in different parts.



**Fig 7: Gallery of Hotel**



7.) **Rooms:** It consists room details with price and room view.

## Rooms And Rates





Room Type	Rating	Price (₹)	Book Now
 Deluxe Room	★★★★☆	₹ 3500	Book Now
 Luxury Room	★★★★☆	₹ 5000	Book Now
 Guest House	★★★★☆	₹ 8000	Book Now
 Single Room	★★★☆☆	₹ 2000	Book Now

Fig 8: Rooms of Hotel

8.) **Contact us:** It consist a contact form and location of our Hotel.

### Contact Us

Sign Up For Our News Letters

Full Name:

Phone Number:


Email Address:

### Connect With Us

Phone : +91 9876543210

Email : INFO@KNIGHTS\_INN.COM

Address : GLA University, Mathura, India



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Fig 9: Contact information of our Hotel

## Contribution Summary

This project is divided into four major segments namely Admin Panel, Database Management, Front End designing of Website and Backend.

- **Admin Panel** – Frontend along with backend designing of admin panel is done by Naman Mittal.
- **Frontend** – All interfaces of Home Page are designed by Kartikeya Mishra.
- **Backend** – All behind the scene processes of retrieving products from database, sending customer data to the admin, and maintaining process of admin panel is developed by Harsh Jain.
- **Database** – Base of our e-commerce website where all information about customers, rooms, newsletters and rooms available is saved, designed and maintained by Manish Kumar.

## **Work Done**

- Home page Completed
- Showing of Rooms Details Completed
- About Page created
- Contact Us page created
- Base of the project is created means database

## **Work Left**

- Adding Newsletter part in the Admin Panel
- Intriguing the home page design
- Adding Payment portion or Bill generate portion
- Admin can add new rooms part
- Adding some information to Contact Us page, About Us page

## References

- <https://www.w3schools.com>
- [www.youtube.com](http://www.youtube.com)
- [www.fontawesome.com](http://www.fontawesome.com)
- [www.bootstrap.com](http://www.bootstrap.com)
- [www.codesnippet.com](http://www.codesnippet.com)