

NAME OF THE PROJECT

Manage Group of Hotels

INTRODUCTION

The project Online Hotel Management System is a web based application that allows the Hotel Manager & Owner to handle all hotel activities online easily and safely. Using Interactive GUI anyone can easily learn to use the complete system. Using this Hotel Manager don't have to sit and manage the entire activities on paper. And at the same time Owner of the Hotel will feel comfortable to keep a check on Hotel easily from anywhere around the world.

This System will give them power and flexibility to manage the entire system from a single online portal. Hotel management System provides room booking, staff management and bill generation features.

The system will be so simple and attractive which will make the customer comfortable to use and choose their ideal room. The system allows the Owner to check the Progress of the hotel from interactive Graphs and he will be notified of each new change made in System.

The system allows the manager to keep track on available rooms in the system and even maintain staff details like their hours worked and salary.

Customers can view and book an available room online and the system will automatically generate the bill according to the number of days the type of room is booked.

OBJECTIVE/VISION

→ As the name recommends, the Online Hotel Management System permits the clients globally to reserve the rooms in the hotel at any time. It will provide a unique search and book functionality for the customers anywhere in the world.

→ This project can be used by the clients and the travel agencies who will help them to reserve the hotel of their choice. Sometimes people face problem in reserving the hotels in the places where they want to visit. In that situation, this project can be of great relief to them. The user interface must be simple and easy to understand even by the common man.

→ The highlights that can be added to the online hotel management system are given below:

◆ **Access anywhere:** The online hotel reservation project can be reached at any time and

anywhere from the world with great efficiency.

- ◆ **Easy booking:** The rooms in the particular hotel can be reserved easily through this site with great expertise.
- ◆ **Hotel description:** This project will contain the hotel information of the hotels that are present in the particular area.
- ◆ **Room availability:** The rooms that are open in the particular hotel must be refreshed in real time.
- ◆ **Category:** The hotels can be classified based on the appropriate region of your preference.
- ◆ **Price:** The price or rent of the appropriate rooms in the appropriate hotel in the chosen section will also be updated.
- ◆ **Payment options:** The clients will be having the option of paying the rent of the hotels through the online mode without any difficulty.

→ **Existing Hotel Management System**

Currently in hotel all the work done manually. When a guest make a reservation, all the reservation details (including guest details) are recorded in a hotel register. At the time of checkout of customer, calculations of bills and inventory items are done manually too. Doing all the work manually and storing information on register takes much time and wastes much precious man hours. Manually calculation of bill is also error prone. If management want any old information like room record or reservation details then finding old records is very tiresome task and it takes a lot of time to find records form old files.

- Following are the main problem in managing hotel manually
- Manually keeping records is very time consuming.
- Data is not always reliable as it is hand written and some human errors might have occurred example wrong telephone number among other.
- Slow process of reservation. User has find manually whether room is available or not.
- Hotel information data are not secured. It can be easily theft or altered.
- Finding records are very time consuming.
- Retrieval of guest records is extremely difficult. User has to manually search each records to find the required information. It takes lot of time.

SUMMARY

The theme of my Project is Hotel Management System. This Project is a fine thought to make the complex procedure of the Hotel management system to an easy manner which is systematic, modular designed, selective menu based user display. The modular design and constructed system is very much user oriented in which user can easily understand the tools and can do edit of his own choice. The system is not any tough more and does not possesses many applications but it is made by focusing on the maintaining records employee's actions in a computerized system rather than time taking and

cumbersome manual system.

The project is a software application that can be easily handled by minimum educated and simple computer knowledge person without any option of error. Two kinds of users can handle the system.

1. Online Users, 2. Administrator or Hotel Management.

The Online users are the customers or the staff who can see the news and updates of the Hotel and the Administrator are responsible for updating the Hotel details on computer. The Administrator is the authorized user who has power to change or edit the updates as well as the Password. In case of the forgetting of password there is provision to password recovery and Logout and Login in the system.

The Purpose of the whole process is to ease the daily or regular activities of the Hotel Management into an automatic computerized retrievable process. The daily activities includes the Room activities, Entering details of the new customer check in, To allocate a room as per the customer need and interest, Recording the checkout time and details, Releasing or Empty of room and to record the process in a computer system for future.

Due to time constraint and the minimum resources, the system is not made for the high level use. But the Management system can use the application in a very easy and minimum effort.

USER OF THE SYSTEM

A. Managing Director (MD)(Admin) – Chain head

B. General Managers. (GM) – Hotel head

C. Employees.

D. Customers.

E. Agents.

F. Suppliers

FEATURES

MODULES OF ONLINE HOTEL MANAGEMENT SYSTEM:

There are several modules required to complete this system. Here we are discussing the main modules or core modules of the system.

Owner Profile:

In Owner profile, he has full access to the system. The owner can view all the details in a graphical way and he has the authority to change the Cost of Room, Room Availability, Service Details and much more.

Manager Profile:

Manager profile can have partial access to the System. The manager can view the availability and can change the cost of room and other service details. He will also have a special interface where he can manage the staff of the hotel.

Customer Profile:

In Customer profile, people can check the availability of rooms and they can also book a room according to their budget and need. Customer profile contains their name, Contact details, address, and other necessary details etc.

They need to sign-up for booking the hotel, which will make them as well as manager of the hotel to easily interact with each other.

Booking:

The customer can easily search their Room from the various option available. This all will be so user-friendly so that Customer will not find any trouble in the booking room.

Once the room is searched and the customer finds his choice room then this module helps the customer to book the room by following the rules of the Hotel like Check-in and check-out time of the Hotel, Limit of people per room etc.

SYSTEM DESIGN OF ONLINE HOTEL MANAGEMENT SYSTEM:

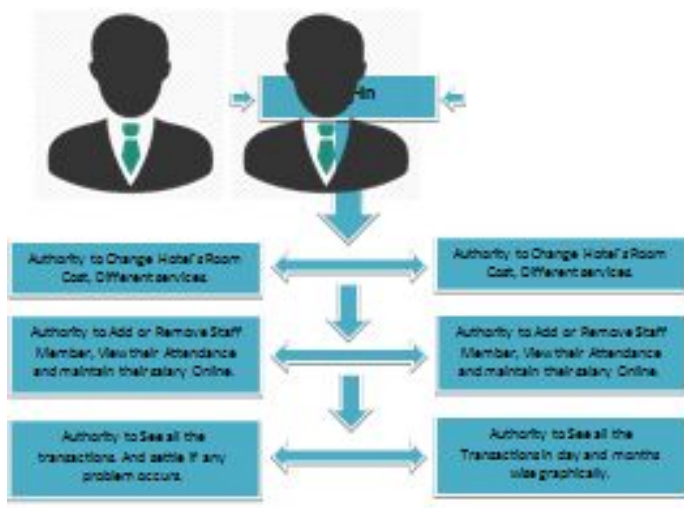
This complete System run on the simple Interface was there are only three users i.e. Owner, Manager, and Customers.

The case of Customers of Online Hotel Management System:

The customer can view the Availability of Room in Hotel. If he wishes to book he has to sign-up by providing his contact details and then a user ID will be generated using this. He can also change his

check-in time and check-out time if possible.

The case of Owner/Manager of Online Hotel Management System:



The owner, as well as the manager, has almost the same Authority. Both can see all the details of the hotel and can Change. The manager can change details but Owner will receive the notification of any changes made by him.

So that it will be easy for the Owner to keep track on his hotel even if he is far away. This all will take place securely since both Manager and Owner will have separate IDs and whatever they will do all will be fully secure in this system.

The owner, as well as the manager, has almost the same Authority. Both can see all the details of the hotel and can Change. The manager can change details but Owner will receive the notification of any changes made by him.

So that it will be easy for the Owner to keep track on his hotel even if he is far away.

USER INTERFACE OF THE PROJECT

The user interface is very important part of the system. This helps every member of the system to interact with each detail properly. As we have shown several use cases in this system.

We have developed these interfaces to interact with the system.

Login Page:

Owner or Manager need to log in using login id and password.

SIGN UP Page:

HOTEL BOOKING Page:

DATA FLOW DIAGRAM

Data flow design is concerned with designing a sequence of functional transformation that converts system imports into the required outputs. The design is represented as data flow diagram illustrated how data flows through a system and how the output is derived from the input through a sequence of functional transformations. Data flow diagrams are useful and intuitive way to describing a system. They are normally understandable without special training, especially if control information is excluded. They show end-to-end processing. That is the flow of processing from when data enters the system to where it leaves the application can be traced.

RISKS INVOLVED IN THE PROJECT

- Product size - risks associated with the overall size of the software to be built or modified.
- Business impact - risks associated with constraints imposed by management or the marketplace.
- Customer characteristics - risks associated with the constraints of the customer and the developer's ability to communicate with the customer in a timely manner.
- Process definition - risks associated with the degree to which the software process has been defined and is followed by the development organization.
- Development environment - risks associated with the availability and quality of the tools to be used to build the product.
- Technology to be built - risks associated with the complexity of the system to be built and the "newness" of the technology that is packaged by the system.
- Staff size and experience - risks associated with the overall technical and project experience of the software engineers who do the work.

SYSTEM REQUIREMENTS

- HARDWARE REQUIREMENT
- Color Monitor & Multimedia Kit.
- Mouse, Keyboard HDD with 10 GB or Higher capacity
- Minimum 512 Mb of RAM (Minimum) 600 x 800
- Resolution Internet connection
- SOFTWARE REQUIREMENT
- Platform (.NET Framework 2.0 or Above)
- Internet Browser (Internet Explorer, Netscape Navigator, Opera)
- Operating System

TECH STACK AND TOOLS USED

Front End tools (Visual Studio 2008)

Visual Studio.NET, the next version of Visual Studio IDE, is also a key component of the .NET strategy. The Visual Studio.NET IDE has also been given a facelift and packed with a wide variety of new functionalities. An XML editor, HTML editor, Web browser, Server Resources Explorer is also needed.

Back End Tools

With PHP, you can connect to and manipulate databases.

MySQL is the most popular database system used with PHP.

What is MySQL?

- MySQL is a database system used on the web
- MySQL is a database system that runs on a server
- MySQL is ideal for both small and large applications
- MySQL is very fast, reliable, and easy to use
- MySQL uses standard SQL
- MySQL compiles on a number of platforms
- MySQL is free to download and use
- MySQL is developed, distributed, and supported by Oracle Corporation
- MySQL is named after co-founder Monty Widenius's daughter:

The data in a MySQL database are stored in tables. A table is a collection of related data, and it consists of columns and rows.

Databases are useful for storing information categorically. A company may have a database with the following tables:

- Employees
- Products
- Customers
- Orders

PHP + MySQL Database System

- PHP combined with MySQL are cross-platform (you can develop in Windows and serve on a Unix platform)
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Database Queries

A query is a question or a request.

We can query a database for specific information and have a recordset returned.

CODE

Webtech.html- homepage



```
<html>
```

```
<head>
```

```
<link rel="stylesheet"
```

```
href="link.css"/>
```

```
<title>Web Technology Lab</title>
```

```
<style>
```

```
</style>
```

```
</head>
```

```
<body style="background-image:url(wall2.jpeg)">
```

```
<div class="final">
```

```
<center> <b> <u><h1 style="color: wheat
```

```
; font-family: fantasy; font-size: 100px;">WEB TECHNOLOGY LAB</h1></u></b></center>
```

```
<center> <b> <u><h1 style="color: wheat; font-family: fantasy; font-size: 60px;">MANAGE GROUP OF HOTELS</h1></u></b></center>
```

```
<center> <button href="my%2520projects/webproject/hompage.html">CLICK HERE</button></center>
```

```
<div id="div" style="color: white;margin-top: 150px"><b><i><center>DEVELOPED BY: <br> NAME: GARIMA SINGH <br> ROLL NO: 1806143 <br>
GROUP B1 <br>NAME: IMTIYAZ FAZAL <br> ROLL NO: 1806099 <br> GROUP B1 <br> </center></i></b></div>
```

```
</div>
```

```
</body>
```

```
</html>
```

CONCLUSION

Finally, in Online hotel management system, We have developed a secure, user-friendly Hotel Management System. This System can take care of each member whether its Owner or Customer.

This System will Help them to properly Manage their Hotel and help in growth without creating and hassle. This System is completely secure since every user is provided with user ID and Password so there is no chance of any unauthorised access.

Online Payment, Booking and cancellation make it easier to use. So, using this system will help in reducing the labour and provide more facility for Customer to like Hotel and visit again and again.

FUTURE SCOPE

- Computer has got clear advantage over the manual system.
- The computerized system is more reliable, efficient and fast at the end of the project, I can say that computer play a very crucial role in the development of firm.
- All the daily reports generated by the system are to be checked by the concerned official so as to ensure that all
- The transactions have been put through in appropriate accounts and this is tallied with the new vouchers.
- Computer does maximum work with in minimum time. Because it is used in every field so that it provides comfort and suitability to everyone.
- Providing maximum facilities and comfort to customers to customers is main goal of the firm. To achieve this goal, other modern facilities relating to computer should have to be provided.

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- www.codecademy.com ,
- <https://developer.mozilla.org/en-US/docs/Learn/CSS> ,
- https://www.tutorialspoint.com/php/php_and_mysql.htm
- www.freewebmasterhelp.com
- SEARCH ENGINE : www.google.com

GITHUB LINK TO THE PROJECT:

<https://github.com/garimasingh128/La-serene-hotel-management-system>
