

IP PROJECT

HOTEL MANAGEMENT



Acknowledgement

It gives me immense pleasure in expressing my deep sense of gratitude to my respected teacher for her inspiring guidance and thought in the preparation of the project. This project would not have been completed without her valuable guidance and her tremendous effort.



Introduction

This is a Project work undertaken in context of partial fulfillment of MCA. I have tried my best to make the complicated process of Online Hotel Management System as simple as possible using Structured & Modular technique & Menu oriented interface. I have tried to design the software in such a way that user may not have any difficulty in using this package & further expansion is possible without much effort. Even though I cannot claim that this work to be entirely exhaustive, the main purpose of my exercise is to perform each Employee's activity in computerized way rather than manually which is time consuming.

The main aim of the entire activity is to automate the process of day to day activities of Hotel like Room activities, Assign a room according to customer's demand, checkout of a computer and releasing the room and finally compute the bill ,etc.



Objective

The main objective of the entire activity is to automate the process of day to day activities of Hotel like:

1. Hotel Amenities
2. Login for Admin
3. Assigning Booking No for each room booked.
4. Adding, Deleting and Modifying room record.
5. Generating Bill
6. Online Cancellation

This project has some more features:

- System Connectivity
- No data duplication
- No paper work required
- Time Efficient
- Cost Efficient
- Automatic data validation
- User friendly environment
- Data security and reliability
- Fast data insertion & retrieval



Project Category

This Project is coupled with material on how to use the various tool, sub sets available in JSP, SERVLETS AND MYSQL. The need of today's software development is competence in a GUI based front-end tool, which can connect to Relational Database engines. This gives the programmer the opportunity to develop client server based commercial applications. These applications give users the power and ease of a GUI with the multi user capabilities of Novell, UNIX or WinNT based RDBMS engines such as MYSQL. All the important coding techniques used by programmers, in OOPS based coding is brought out in full and in great detail.

Data Modeling

FIELDS	DATATYPE
Booking Number	int
Name	String
Phone Number	int
Number of Days	int
Number of Rooms	int
Room Type	String
Charges per Room	int
Total Amount	int



1. Software Component: JDBC and ODBC Drivers
2. Database: MySQL
3. Languages Used: Java
4. Platform Used: Net Beans 8.2
5. Development Kit: JDK 9.0.1



Hardware

CPU configuration

- Intel i3 (6th Gen) @1.99 GHz
- 8GB RAM
- 1TB HDD

Graphics

- Nvidia Geforce 920mx

Monitor

- 17"2k HD

Operating System

- Windows 10 Home

A blue circle graphic containing the text 'Scope for Improvement' in a white, cursive font.

Scope for Improvement

Now a days hotel are providing many other facilities, this project can also be improved with the improvement in the Hotels. Utmost care and back up procedures must be established to ensure 100% successful implementation of the computerized banking 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.



Conclusion

This project is designed to meet the requirements of Online Hotel Management. It has been developed in JSP, Servlets keeping in mind the specifications of the system. For designing the system we have used simple data flow diagrams.

Overall the project teaches us the essential skills like:

- Using system analysis and design techniques like data flow diagram in designing the system.
- Understanding the database handling and query processing.



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