CL219: DATABASE SYSTEMS

Graphical user interface, application

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A picture containing indoor, floor, ceiling, bed

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Hotel Reservation system

**project proposal**

# learning objectives

* Creation of full-fledged Reservation System application with a DBMS.

# Introduction

Hotel reservation software is designed to automate and facilitate all the booking-related processes. The project Hotel Reservation System is a Desktop-based application that allows the Admin & Customers to handle hotel activities easily and safely.

Hotel Reservation 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 **admin** to keep track of 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.

Using Interactive GUI anyone can easily learn to use the complete system.

# project idea

We will implement Hotel Reservation System with Windows Form and SQL Data base containing two modules, Admin Module will contain all the functionalities of Admin like Viewing Available Rooms, Book Rooms, Prices etc.

The Customer module will contain functionalities like viewing available rooms, book a room, order meals etc.

Further functionalities will be added while developing the management system.

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| project Members | | |
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# Admin Module

Admin module will be having the functionalities like:

* Login
* Adding new Admins
* Adding Customers
* Adding Staff
* Modifying Admin Details
* Modifying Customer Details
* Check Available Room
* Room Booking
* Room Cancellation
* Billing System
* Modifying Staff Details
* Adding & Modifying Rooms Prices
* Adding & Modifying Meals in Menu
* Adding Payment Methods
* Adding Different Deals
* Discount Packages
* Refund System
* Contact Details of Hotel
* Feedbacks
* Complaint Box

# Customer Module

* Sign in/Sign up
* Modifying Personal Details
* Check Available Rooms
* Room Booking
* Room Cancellation
* Room Service
* Ordering Meals
* Refund System
* Feedback System
* Complaint Section
* Further Features will be added in Development Phase

# Summary

In this Hotel Reservation System, we will be developing a secure, user-friendly System. This System can take care of each member whether its Admin or Customer. This System will Help them to properly Manage their hotel and help in growth without creating any hassle.

This system is completely secure since every user is provided with a user ID and Password so there is no chance of any unauthorized access. Online Payment, Booking, and cancellation make it easier to use. So, using this system will help in reducing the labor and provide more facility for Customer, like visiting Hotel again and again.

# Benefits

The benefits of our Hotel Reservation System for Both Hotel & Customers are:

* Less work for the front office
* Reduced chances of losing reservation
* Easily gathered data (No manual work for Admin)
* Time Saving for Both Hotel Management & Customer
* Choosing Best Comfort Level
* Don’t need to visit hotel

# Extra Features

We will try to add these extra features if possible:

* Online Payment Method
* Link our Website to Online Server

# Workflow

We have decided to divide this project in 3 Phases:

* Project Planning & Discussion
* Proposal
* Development
* Testing
* Modifying & Adding Extra Features (if required)
* Final Product

# tools & equipment

1. Visual Studio
2. C#
3. .NET Framework
4. MS SQL Server/Oracle