COE-210 PROGRAMMING LAB-1 PROJECT

HOTEL DATABASE MANAGEMENT SYSTEM

SHASHWAT AGGARWAL

COE - III

355/CO/15

INTRODUCTION

My Project is on Hotel Database Management system.

The objective of my Project Hotel Management System is to create a database record for hotel residents.

The main features of the System are as follows: -

It allots rooms to guests depending upon the availability of rooms (size of hotel is assumed to be 200 rooms with room no. from R0-1 till R0-200) and records the details of the guests.

De allocates the rooms at the time of check out of the guest to make them available for other people and generate bills for their period of stay.

At any moment, the admin can modify his/her guest's details or inquire about any other guests in stay at hotel.

Hotel Management system also supports checking availability of a room and generating bills.

The system is very user friendly and it is anticipated that functions of the system will be easily accessed by administrators, staff or the manager.

I have used the concepts of File handling and Classes and Structures in C++ to implement the Hotel Management.

I have used Binary Files as the storage medium and the backend of my project.

Classes Used:

- Customer:

  ❖ Data Members:

    o struct cust:

      // Structure to store details of a Guest

    o fstream f1

  ❖ Methods:

    o void create_customer()

    o void show_customer()

    o void search_customer(char n[],int f)

    o void search_customerR(int r)

    o void modify_customer()

    o struct _C_ delete_customer()

- Hotel:

  ❖ Data Members:

    o Customer C

    o fstream f1

  ❖ Methods:

    o void main_menu()

    o void checkin()

    o void Cust ()

    o void check ()

    o void checkout ()

    o void Bill(struct _C_ a)

Concepts of File Handling used:

- Read contents of a File.

- Append contents to a File.

- Display contents of a File.

- Search a record in a File.

- Modify a record in a File.

- Delete Contents of a File.