Contents

**1.Existing System**

**2.Proposed System**

**3.Hardware and Software Requirement**

**4.Data Flow Diagram**

**5.Flow Chart**

**6.Main Menu**

**7.List Of Files With Function**

**8.Functions With Their Operation**

**9.Coding**

**10.Inputs**

**11.Outputs**

**12.Future Enhancements**

**13.Bibliography**

**PURPOSE OF THE SYSTEM**

The Hotel Management System aims to simplify a staff’s interaction with the various modules of the Hotel and ease the process of acquiring information and providing services. The system can be accessed by the staff who are allocated a login id and password. It will also allow to cut the operational costs of the hotel.

**SCOPE**

In this system we will make extensive use of files system in C++.

We will have a **login id** system initially. In this system we will be having separate functions for

* Getting the information
* Getting customer information who are lodged in
* Allocating a room to the customer
* Checking the availability
* Displaying the features of the rooms.
* Preparing a billing function for the customer according to his room no.

In the software developed separate functions will be there for each of the above points so that there is ample scope for adding more features in the near future.

**Proposed system**

The user will have to login first in order to access the features offered by the system.On logging in the user will be given an option to do any of the following functions.

* Get information about the category of the rooms
* Get customer information according to the room no.
* Modify information about the rooms
* Check availability of the room
* Allocate room
* Display features of room
* Create bill
* Exit or logout from the software.

If the user is a customer then a room will be generated for the customer registration his/her details then the user will be assign a room. This data is then used to update the databases which are stored as a part of the system. While if the user want to check out the users details will be remove from the database. The user also has an option to print a receipt while check out.

**HARDWARE AND SOFTWARE REQUIREMENTS**

The platform used is C++. Hence we decided to use Microsoft Visual Studio 2008 edition( Professional Edition ).

**For running the software we used Borland C++ compiler 3.0 which was recently made free by Borland Inc.**

For optional coding and easy debugging ,Microsoft Visual Studio 2008 edition and made explicit .cpp files.

Henceforth for optimal usage of such a software a windows based operating system preferably Windows xp must be there.

Also on the hardware part any system having Windows xp installed is enough

# DATA FLOW DIAGRAM

