Resort Management System

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0. Acknowledgment

Course Instructor: Sir Basit Jasani

C++ by Saurabh Shukla

https://www.youtube.com/channel/UCD-scAE4ju78dld1kpcsQfQ

Simple Snippets

https://www.youtube.com/playlist?list=PLIY8eNdw5tW_o8gsLqNBu8gmScCAqKm2Q

1. Introduction

RESORT MANAGEMENT SYSTEM was developed following system development stages for smooth running and management of the resort. A period of almost 2.5 months has enabled the group to recognize and define a real time problem and propose a solution for it . After an information gathering process from several websites and application of different resorts, we are able to design a system according to the knowledge provided to us in the course throughout.

The system is carefully designed to ensure maximum efficiency.The system was skillfully and carefully coded to seal any possible loopholes in the system.This system will indeed help the hotel management along with facilities of restaurant and gym.The esteemed staff members will surely be able to manage and steer the hotel's functionality and transactions to realize its maximum potential as it has been recognised to be user friendly.

Our proposed system is an admin based system which offers different interfaces for admin to control.

Functionalities provided:

1. Login/ Sign Up page
2. View/ Edit / Delete/ Add - Customer Data.
3. Exercise Plans/ Trainers for Gym
4. View/ Edit / Delete/ Add - Restaurant Menu.
5. Billing functions for Room and Restaurant
6. Options for Payment type

2. Tools and technologies used

The system was developed using Dev Cpp IDE and the programming language used is C++. To implement efficient programming Object Oriented Concepts Such as Encapsulation, Data Security and Reusability have been used wherever appropriate. A better relation between objects and classes' concept of inheritance has been used.

Reusability of the code and efficient programming can be seen through use of self made header files included in the final program.

#include<iostream>

#include<conio.h>

#include<stdio.h>

#include<fstream>

#include<iostream>
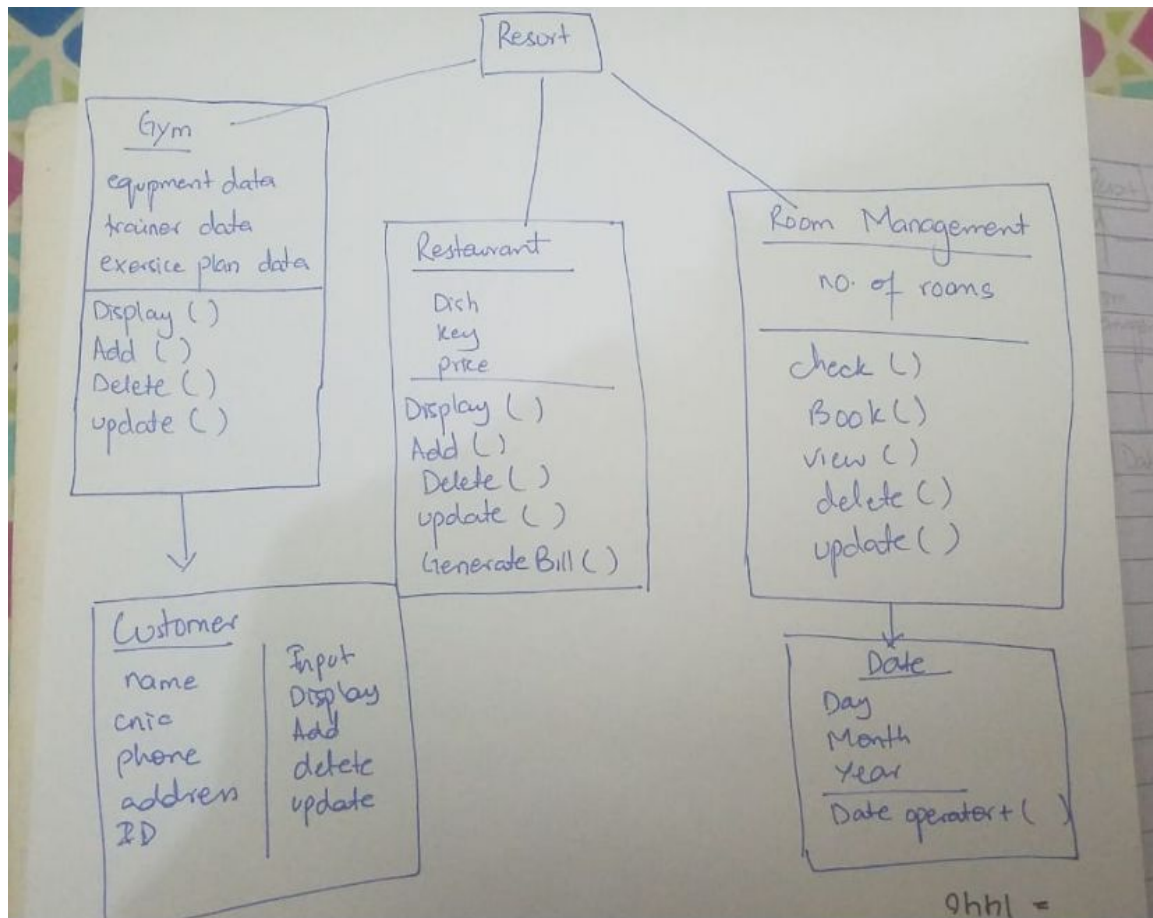
#include<stdlib.h>

#include<string.h>

#include<windows.h>

#include"Customer.h"

#include"RoomManagement.h"

#include"Restaurant.h"

#include"Date.h"

#include"Time.h"

3. Model / Class diagram

4. Link to source

5. Future work

Membership status,subscription could have been made more efficient.Validation status and functions could have been improved.