

**Subject name:**

CSC103-Programming Fundamentals

**FINAL LAB PROJECT**

**PROJECT TITLE**

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# Hotel Management System

## Introduction:

Hotel Management System is a **console-based** application that allows the hotel manager to handle all hotel activities. The ability to manage various hotel bookings and rooms make this system very flexible and convenient.

Hotel management project provides **room booking, billing and other necessary hotel management features**. The system will be so simple and attractive which will make the customer comfortable to use and choose their ideal room.

## Task Distribution:

Task completed by every team member (in bullets form)

* Salman: Customer, Checkout
* Saira: Dining
* Sajeela: Rooms

## Features of Program:

* Password Protected at Admin
* Based on Admin as well as Customer
* Adding Customer
* Search Customer by customer id
* Deleting customer record by using customer id
* Room
* Updating room record
* Dining
* Update Dining Record
* Delete Dining Record
* View Updated Dining
* Checkout

## Modules used in Program

The Program uses modules to make main program shorter and easier to understand. Each module has a function of its own which is called upon whenever necessary. They are as follows:

### Module-1

**MainMenu ();**

Printing Hotel Name.

### Module-2

**Admin ();**

It can only be used by Admin. It has main admin functions, it displays them, e.g., viewing, updating, deleting, searching records.

### Module-3

**Customer ();**

Customer will use this module to enter his records, booking room, booking dining and checking out, etc.

### Module-4

**addCustomerRecord ();**

it will add customer records, his name, CNIC, phone number, city name, and then it stores them in File.

### Module-5

**viewCustomerRecord ();**

For viewing saved customer records, along with their Hotel-ID.

### Module-6

**searchCustomerRecord ();**

For searching our customers, it searches customer records by their IDs.

### Module-7

**deleteCustomerRecord ();**

For deleting any customer’s records, it deletes by taking Customer’s ID as input, and then removes it from hotel’s records.

### Module-8

**viewUpdatedCustomerRecord ();**

After deleting records if Manager wants to view updated list, he can call this module, it shows recent and updated records of customers.

### Module-9

**Room ();**

It displays our types of rooms and allows customer to choose their room from given categories (normal, luxury, elite).

### Module-10

**updateRoomRecord ();**

This module will work for adding something in room categories, i.e., any facility they want.

### Module-11

**Dinning ();**

It displays our dining and allows customer to choose their meal.

### Module-12

**deleteDinningRecord ();**

This module will work for deleting any item from dining records, in all type of meals(Sweet, breakfast, lunch).

### Module-13

**updateDinningRecord ();**

This module will work for adding something in dining records, in all type of meals(Sweet, breakfast, lunch).

### Module-14

**viewUpdatedBreakfastRecord ();**

After adding or deleting records in breakfast file, to view them this module will be used.

### Module-15

**viewUpdatedLunchRecord ();**

After adding or deleting records in lunch file, to view them this module will be used.

### Module-16

**viewUpdatedDinnerRecord ();**

After adding or deleting records in dinner file, to view them this module will be used.

### Module-17

**viewUpdatedSweetRecord ();**

After adding or deleting records in sweet file, to view them this module will be used.

### Module-18

**Checkout ();**

It calculates bills.

## Outputs

Output screens to be pasted here.













