

DSA INNOVATIVE ASSIGNMENT

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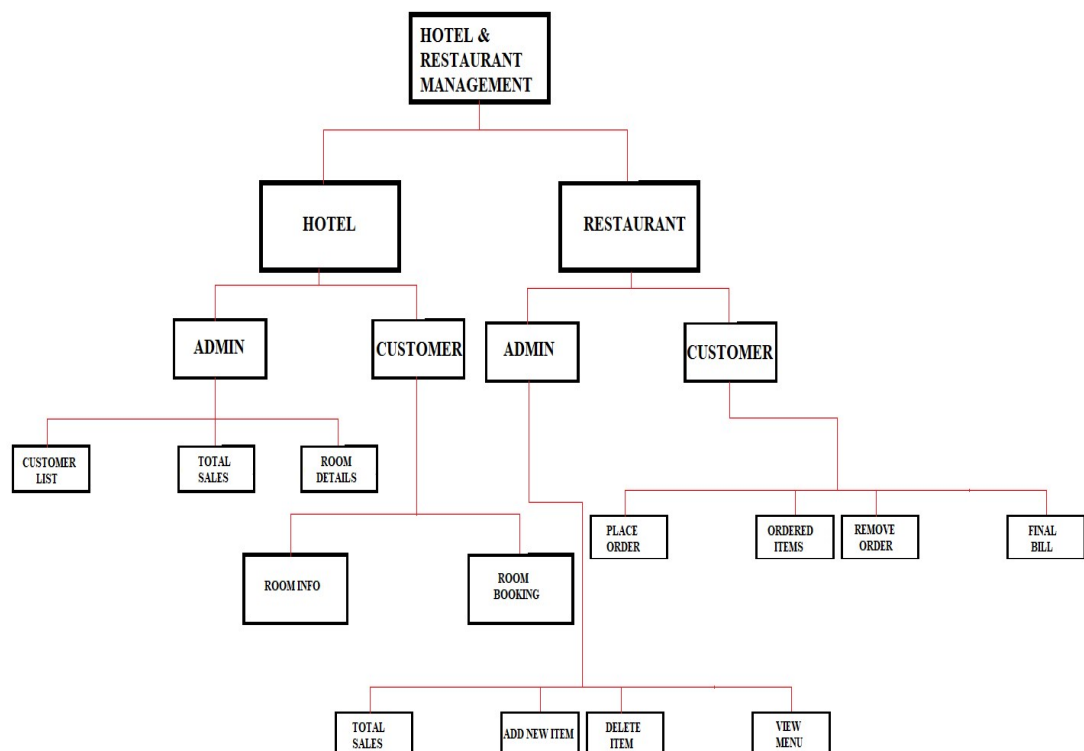
20BCE111 – Malay Jiyani

- **Definition:**

- Hotel and Restaurant Management System

- **Program Files:**

- Hotel.c



- **Hotel.c** file contains the main program code. There are two sections in program: **1) Admin 2) Customer**. Both section contains options for Hotel and Restaurant. Admin's Hotel Section contains total sales from hotel, customer list and room details. In Admin's Restaurant Section we can see total sales from restaurant, we can add new items in menu and we can delete items from menu, too. In Customer's Hotel Section, customers can see the details of rooms and they can book the room. In Customer's Restaurant section, customers can order items and remove the items, they can view ordered items and after completing the order they can see, final bill.

• Output:

```
PS D:\Study\CSE SEM 3\Data Structure & Algorithms\Innovative> cd "d:\Study\CSE SEM 3\Data Structure & Algorithms\Innovative\" ; if ($?) { gcc Hotel.c -o Hotel } ; if ($?) { .\Hotel }
```

```
-----
----- Welcome to Green Leaf Hotel with Restaurant -----
-----
-----

1. ADMIN SECTION-->
2. CUSTOMER SECTION-->
0. Exit-->

Enter Your Choice --->2

----- OPTIONS -----

1. For Hotel
2. For Restaurant
0. Back

-->1

----- OPTIONS -----

1. To see the types of rooms
2. To book the room
0. Back
-->1

No of beds:          AC | Non AC
                  1,2 | 1,2,3
Rent per Room per day: 1200/- | 850/-
----- OPTIONS -----

1. To see the types of rooms
```

```
2. To book the room
0. Back
-->2

Enter your name:Jainam

Enter your address:Rajkot

Enter your phone number:8904324456

1. AC room
2. Non Ac room
-->1

No. of person:4

You have booked 2 rooms!
----- OPTIONS -----

1. To see the types of rooms
2. To book the room
0. Back
-->2

Enter your name:Divy

Enter your address:Gondal

Enter your phone number:7832489493

1. AC room
2. Non Ac room
-->2

No. of person:5
```

```
You have booked 2 rooms!
----- OPTIONS -----

1. To see the types of rooms
2. To book the room
0. Back
-->2

Enter your name:Raj

Enter your address:Jamnagar

Enter your phone number:8989765456

1. AC room
2. Non Ac room
-->1

No. of person:4

You have booked 2 rooms!
----- OPTIONS -----

1. To see the types of rooms
2. To book the room
0. Back
-->0

----- OPTIONS -----

1. For Hotel
2. For Restaurant
0. Back
```

```
-->2

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit
Enter Your Choice --->1
```

```
-----Menu-----

1      Pao Bhaji      120.00
2      Gujrati Full Dish      185.00
3      Manchow Soup      180.00
4      Panjabi Full Dish      200.00
5      Chhole Bhature      160.00
6      Any Cold Drink      20.00
```

Enter the serial no:2

Enter quantity :3

```
----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit
Enter Your Choice --->1
```

```
-----Menu-----
```

```
1      Pao Bhaji      120.00
2      Gujrati Full Dish      185.00
3      Manchow Soup      180.00
4      Panjabi Full Dish      200.00
5      Chhole Bhature      160.00
6      Any Cold Drink      20.00
```

Enter the serial no:4

Enter quantity :5

```
----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit
Enter Your Choice --->1
```

```
-----Menu-----

1      Pao Bhaji      120.00
2      Gujrati Full Dish      185.00
3      Manchow Soup      180.00
4      Panjabi Full Dish      200.00
5      Chhole Bhature      160.00
6      Any Cold Drink      20.00
```

Enter the serial no:6

Enter quantity :3

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit

Enter Your Choice --->2

----- YOUR ITEMS -----

2	Gujrati Full Dish	3	555.00
4	Panjabi Full Dish	5	1000.00
6	Any Cold Drink	3	60.00

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit

Enter Your Choice --->3

----- YOUR ITEMS -----

2	Gujrati Full Dish	3	555.00
4	Panjabi Full Dish	5	1000.00
6	Any Cold Drink	3	60.00

Enter the sr no. : 4

Enter the quantity you want to remove: 3

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order

4. Display final bill

0. To exit

Enter Your Choice --->2

----- YOUR ITEMS -----

2	Gujrati Full Dish	3	555.00
4	Panjabi Full Dish	2	400.00
6	Any Cold Drink	3	60.00

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit

Enter Your Choice --->4

----- FINAL BILL -----

2	Gujrati Full Dish	3	555.00
4	Panjabi Full Dish	2	400.00
6	Any Cold Drink	3	60.00

Total = 1015.00

----- OPTIONS -----

1. Place your order
2. View your ordered items
3. Delete an item from order
4. Display final bill
0. To exit

Enter Your Choice --->0

----- OPTIONS -----

1. For Hotel
2. For Restaurant

0. Back

-->0

1. ADMIN SECTION-->
2. CUSTOMER SECTION-->
0. Exit-->

Enter Your Choice --->1

----- OPTIONS -----
1. For Hotel
2. For Restaurant
0. Back To Main Menu

-->1

----- OPTIONS -----
1. Customer List
2. Total Sale
3. Room Details
0. Back To Main Menu

-->1

1.	Jainam	Rajkot	8904324456	2400.00	AC	101
2.	Divy	Gondal	7832489493	1700.00	NON-AC	102
3.	Raj	Jamnagar	8989765456	2400.00	AC	103

----- OPTIONS -----
1. Customer List
2. Total Sale
3. Room Details

0. Back To Main Menu

-->2

----- TOTAL SALES -----
Total AC Rooms:4 4800.00
Total NON-AC Rooms:2 1700.00
Total Sale: 6500.00

----- OPTIONS -----
1. Customer List
2. Total Sale
3. Room Details
0. Back To Main Menu

-->3

----- ROOM DETAILS -----
Room packed(AC): 4
Room packed(NON-AC): 2
Room Available(AC): 96
Room Available(NON-AC): 98

----- OPTIONS -----
1. Customer List
2. Total Sale
3. Room Details
0. Back To Main Menu

-->0

----- OPTIONS -----
1. For Hotel
2. For Restaurant
0. Back To Main Menu

-->2

----- OPTIONS -----

1. View total sales
2. Add new items in the order menu
3. Delete items from the order menu
4. Display order menu
0. To exit

Enter Your Choice --->1

----- TOTAL SALES -----

2	Gujrati Full Dish	3	555.00
4	Panjabi Full Dish	2	400.00
6	Any Cold Drink	3	60.00

----- OPTIONS -----

1. View total sales
2. Add new items in the order menu
3. Delete items from the order menu
4. Display order menu
0. To exit

Enter Your Choice --->2

Enter the serial number:7

Enter the Name of food item:Italian Pizza

Enter the price:200

-----Menu-----

1	Pao Bhaji	120.00
2	Gujrati Full Dish	185.00
3	Manchow Soup	180.00
4	Panjabi Full Dish	200.00

5	Chhole Bhature	160.00
6	Any Cold Drink	20.00
7	Italian Pizza	200.00

----- OPTIONS -----

1. View total sales
2. Add new items in the order menu
3. Delete items from the order menu
4. Display order menu
0. To exit

Enter Your Choice --->3

-----Menu-----

1	Pao Bhaji	120.00
2	Gujrati Full Dish	185.00
3	Manchow Soup	180.00
4	Panjabi Full Dish	200.00
5	Chhole Bhature	160.00
6	Any Cold Drink	20.00
7	Italian Pizza	200.00

Enter the serial no.: 2

-----Menu-----

1	Pao Bhaji	120.00
3	Manchow Soup	180.00
4	Panjabi Full Dish	200.00
5	Chhole Bhature	160.00
6	Any Cold Drink	20.00
7	Italian Pizza	200.00

----- OPTIONS -----

1. View total sales
2. Add new items in the order menu

```
3. Delete items from the order menu
4. Display order menu
0. To exit
Enter Your Choice --->4
```

```
-----Menu-----
```

1	Pao Bhaji	120.00
3	Manchow Soup	180.00
4	Panjabi Full Dish	200.00
5	Chhole Bhature	160.00
6	Any Cold Drink	20.00
7	Italian Pizza	200.00

```
----- OPTIONS -----
1. View total sales
2. Add new items in the order menu
3. Delete items from the order menu
4. Display order menu
0. To exit
Enter Your Choice --->0
```

```
----- OPTIONS -----
1. For Hotel
2. For Restaurant
0. Back To Main Menu
```

```
-->0
```

```
1. ADMIN SECTION-->
2. CUSTOMER SECTION-->
0. Exit-->
```

```
Enter Your Choice --->0
```

PS D:\Study\CSE SEM 3\Data Structure & Algorithms\Innovative> <https://www.dropbox.com/s/i94cwkw8ne0btb/Screenshot%202021-11-07%2013.26.09.png?dl=0>