

Indira Gandhi Delhi Technical University for Women

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Department of Mechanical and Automation Engineering

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Branch- Mechanical and Automation Engineering

Topic- Menu Driven C Program on Hotel Management

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Submitted to: Ms Pooja Gambhir

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Acknowledgment

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Finally, our thanks go to all the people who have supported us to complete the project work directly or indirectly.

GROUP 11
HOTEL MANAGEMENT

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Certificate of Completion

This is to Certify that **Group 11 (Shruti Sinha, Sakshi Gupta, Nupur Goel, Isha Sethi, Gaurisha R Srivastava)**, of **Mechanical and Automation Engineering, 1st Year** has successfully completed the project work on the topic '**Menu Driven C Program on Hotel Management**', prescribed by **Ms Pooja Gambhir ma'am**, during the Academic Session 2019-20, as per the guidelines of Syllabus of IGDTUW

Name of Teacher: Ms Pooja Gambhir.

Signature:

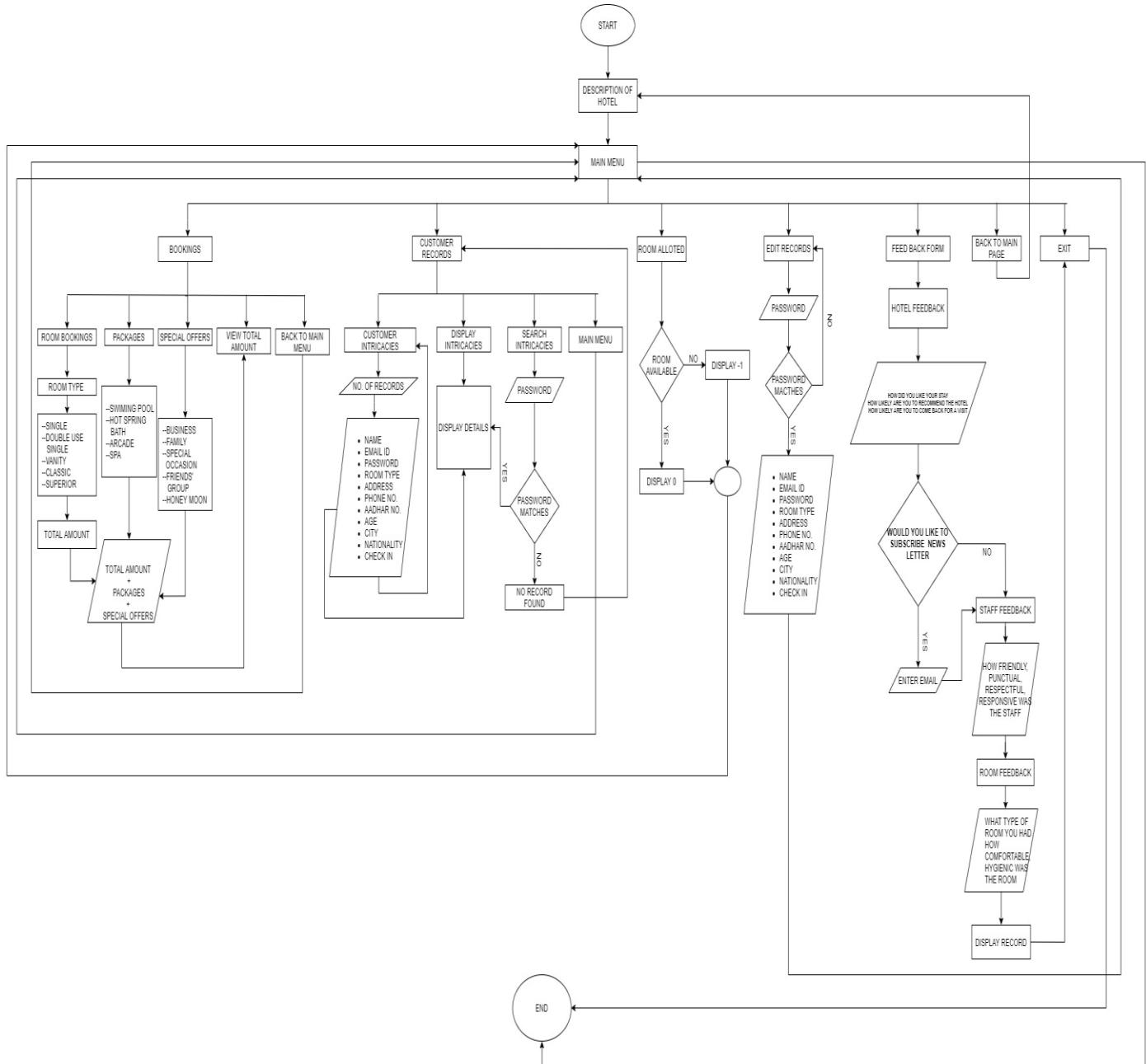
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Objective & Description

The main objective of our menu driven program for the management and handling of the Hotel Moonshine was to basically make room booking and searching for rooms much more accessible and easier. We drafted a menu for the Hotel Moonshine making use of the function switch case, which made it very easy to manipulate and add as many options as we needed to our menu. Through our menu, you could access various options such as room bookings, room allotted, customer records, editing said records and even a feedback form. In the room bookings menu, you could access the kinds of rooms available with us at the hotel, and their prices per night. There you could choose the type of room you want and the number of nights you want to spend in our splendid hotel along with additional services and discounts. In the room allotted menu, you could check the rooms freely available. In the customer records menu, you could make a profile in the program as a customer at the hotel. You could add as many profiles as you'd like to, and they're password protected so as to make things more secure on our end. You could even search up a customer staying at the hotel using the password that the customer saves, again, keeping the security of data of every customer in mind. If you'd like you could even edit the records. If you want you could choose to put your valuable opinion into words by filling our feedback form. Here you'll have to answer various questions about your stay at the hotel, the staff and the rooms. If you'd like you could even subscribe to our newsletter. At the end you'll be shown your feedback form with your numeric ratings changed to stars.

Flow Chart



Code

Fridge Bar | Breakfast served in the room with no extra charge
Bathroom Amenities / Hairdryer | Chianti Wine bottle in the room upon arrival
Air Conditioning / Internet Access
| Fresh fruit basket in the room upon arrival");

```
printf("\n\n\t\tFor Packages and discounts for Special Offers visit option 2 and 3 in BOOKING SERVICES MENU \n\n");
```

```
system("PAUSE");
```

break:

case 2: system("CLS");

```
printf("\n\tThe Hotel Moonshine offers several packages in order to  
customers' comfortable stay. However, additional price would be  
for the package which is \n\tavailable for the customers' entire period  
the hotel");
```

```

printf("\n\n\t\t\t\tSwimming Pool(1) : Rs. 1700");
printf("\n\t\t\t\tHot Spring Bath(2) : Rs. 1900");
printf("\n\t\t\t\tArcade(3)      : Rs. 2100");
printf("\n\t\t\t\tSpa (4)       : Rs. 2700");
printf("\n\n\t\t Choose Package :");
scanf("%d",&p);
switch (p)
{
    case 1:total=total+1700;
        break;
    case 2:total=total+1900;
        break;
    case 3:total=total+2100;
        break;
    case 4:total=total+2700;
        break;
}
printf("\n\n\t Total amount with the package included =%f",total);

printf("\n\n\t For discounts visit option 3 in BOOKING SERVICES
menu.\n");
    system("PAUSE");
    break;
case 3: system("CLS");
    printf("\n\t\t\tSPECIAL OFFERS:\n");
    printf("\n\t The Hotel Moonshine provides the customers with vari-
ous offers and thereby, presenting the customer with beneficial discounts on
Room Bookings.\n ");
    printf("\n\t\t Business Meeting Discount(1) : 10%");
    printf("\n\t\t Family Discount(2)      : 15%");
    printf("\n\t\t Special Occasion Discount(3) : 25%");
    printf("\n\t\t Friends' Group Discount(4) : 20%");
    printf("\n\t\t Honeymoon Discount(5)   : 30%");
    printf("\n\t\t Discount Applicable :");
    scanf("%d",&dis);
    switch(dis)
{
    case 1: total=total-(total/10);
        break;
    case 2:total=total-((0.15)*total);
        break;
    case 3:total=total-(total/4);
        break;
    case 4:total=total-(total/5);
}

```

```

        break;
    case 5:total=total-((0.3)*total);
        break;
    }
    printf("\n\n\n\tTotal amount after including packages and applying
applicable discount =%f\n\n",total);

    system("PAUSE");
    break;
case 4 : printf("\n\n\n\tTotal Amount till now :%f\n\n",total);

    system("PAUSE");
    break;
case 5 : main_menu();

}

s[tt].totl=total;
tt++;
bookings();

}

int i,j,k,l,m;
int sr[4]={0,0,0,0};
int dr[4]={0,0,0,0};
int vr[4]={0,0,0,0};
int cr[4]={0,0,0,0};
int ur[4]={0,0,0,0};

int rooms()
{
    printf("\n 0 : Available \t -1: Not Available\n");
    printf("\n\t\t\t Single Room ");
    printf("\n\t\t\t S01 \t | \t S02 \t | \t S03 \t | \t S04 \t");
    for (i=0;i<sct;i++)
        sr[i]=-1;
    printf("\n\t\t\t %d \t | \t %d \t | \t %d \t | \t %d \t",sr[0],sr[1],sr[2],sr[3]);
    printf("\n\t\t\t \t | \t \t | \t \t | \t \t | \t \t");

    printf("\n\t===== =====\n");
    printf("\n\t\t\t Double Room ");
    printf("\n\t\t\t D01 \t | \t D02 \t | \t D03 \t | \t D04 \t");
    for (j=0;j<dct;j++)
        dr[j]=-1;
}

```

```

        printf("\n\t\t\t%d \t | \t %d \t | \t %d \t | \t %d
\ta",dr[0],dr[1],dr[2],dr[3]);
        printf("\n\t\t\t \t | \t \t | \t \t | \t \t | \t \t");

printf("\n\t=====Vanity Room =====\n");
printf("\n\t\t\t V01 \t | \t V02 \t | \t V03 \t | \t V04 \t");
for (k=0;k<vct;k++)
    vr[k]=-1;
printf("\n\t\t\t%d \t | \t %d \t | \t %d \t | \t %d
\ta",vr[0],vr[1],vr[2],vr[3]);
printf("\n\t\t\t \t | \t \t | \t \t | \t \t | \t \t");

printf("\n\t=====Classic Room =====\n");
printf("\n\t\t\t C01 \t | \t C02 \t | \t C03 \t | \t C04 \t");
for (l=0;l<cct;l++)
    cr[l]=-1;
printf("\n\t\t\t%d \t | \t %d \t | \t %d \t | \t %d
\ta",cr[0],cr[1],cr[2],cr[3]);
printf("\n\t\t\t \t | \t \t | \t \t | \t \t | \t \t");

printf("\n\t=====Superior Room =====\n");
printf("\n\t\t\t U01 \t | \t U02 \t | \t U03 \t | \t U04 \t");
for (m=0;m<uct;m++)
    ur[m]=-1;
printf("\n\t\t\t%d \t | \t %d \t | \t %d \t | \t %d
\ta",ur[0],ur[1],ur[2],ur[3]);
printf("\n\t\t\t \t | \t \t | \t \t | \t \t | \t \t");

printf("\n\t\t\t Returning to the Main Menu \n\n");
system("PAUSE");
main_menu();
return 0;
}

void accept(struct cust_record s[10],int sno)
{
int i,g;

```

```

for(i=0;i<sno;i++)
{ s[i].totl=total;
  printf("\n\t\t\t Data record# %d",i+1);
  printf("\n\t\t\t Enter the details!");
  printf("\n\n\t Name:");
  s[i].name=(char*)malloc(50*sizeof(char));
  fflush(stdin);
  gets(s[i].name);
  printf("\n\t Email Id:");
  s[i].email_id=(char*)malloc(40*sizeof(char));
  gets(s[i].email_id);
  printf("\n\t Password:");
  s[i].pss_wd=(char*)malloc(30*sizeof(char));
  gets(s[i].pss_wd);
  printf("\n\t Room Type:");
  s[i].rm=(char*)malloc(10*sizeof(char));
  fflush(stdin);
  gets(s[i].rm);

g=(strcmpi(s[i].rm,r1)!=0)&&(strcmpi(s[i].rm,r2)!=0)&&(strcmpi(s[i].rm,r3)!=0)
&&(strcmpi(s[i].rm,r4)!=0)&&(strcmpi(s[i].rm,r5)!=0);
if(g==1)
{
  printf("\n You have entered wrong room type! Try Again..");
  printf("\n\t Room Type:");
  s[i].rm=(char*)malloc(10*sizeof(char));
  fflush(stdin);
  gets(s[i].rm);
}
printf("\n\t Address:");
s[i].address=(char*)malloc(40*sizeof(char));
gets(s[i].address);
printf("\n\t Phone number:");
s[i].phnno=(char*)calloc(10,sizeof(char));
scanf("%s",s[i].phnno);
printf("\n\t Aadhar number:");
s[i].a_no=(char*)calloc(12,sizeof(char));
scanf("%s",s[i].a_no);
printf("\n\t Age:");
s[i].age=(int*)calloc(3,sizeof(int));
scanf("%d",&s[i].age);
printf("\n\t City:");
s[i].city=(char*)malloc(20*sizeof(char));
scanf("%s",s[i].city);

```

```

printf("\n\t Nationality:");
s[i].natity=(char*)malloc(20*sizeof(char));
scanf("%s",s[i].natity);
printf("\n\t Date of check in (DD/MM/YYYY): ");
scanf("%u %u %u",&s[i].dd,&s[i].mm,&s[i].yy);
if(s[i].yy>=1000&&s[i].yy<=9999)
{
    if(s[i].mm>=1&&s[i].mm<=12)
    {
        if((s[i].dd>=1&&s[i].dd<=31)&&(s[i].mm==1||s[i].mm==3||s[i].mm==5||s[i].mm
==7||s[i].mm==8||s[i].mm==10||s[i].mm==12))
        {
            printf("\n");
        }
        else
    if((s[i].dd>=1&&s[i].dd<=30)&&(s[i].mm==4||s[i].mm==6||s[i].mm==9||s[i].mm
==11))
        {
            printf("\n");
        }
        else if((s[i].dd>=1&&s[i].dd<=28)&&(s[i].mm==2))
        {
            printf("\n");
        }
        else
    if((s[i].dd>=1&&s[i].dd<=28)&&s[i].mm==2&&(s[i].yy%400==0&&(s[i].yy%4==
0||s[i].yy%100!=0)))
        {
            printf("\n");
        }
        else
        {
            printf("\n Date is invalid");
            printf("\n Date of check in (DD/MM/YYYY): ");
            scanf("\n%u %u %u",&s[i].dd,&s[i].mm,&s[i].yy);
        }
    }
    else {
        printf("\n month is invalid");
        printf("\n Date of check in (DD/MM/YYYY): ");
        scanf("\n%u %u %u",&s[i].dd,&s[i].mm,&s[i].yy);
    }
}

```



```
int n;  
void records()  
{  
    int a,index;
```



```

scanf("\n%s",pswd);
index=search(s,n,pswd);
if(index== -1)
{
    printf("\n Records not found!\n");
    system("pause");
main_menu();
}
else
{
    printf("\n\t\t Enter the new details!");
printf("\n\n\t Name:");
s[index].name=(char*)malloc(50*sizeof(char));
fflush(stdin);
gets(s[index].name);
printf("\n\t Email Id:");
s[index].email_id=(char*)malloc(40*sizeof(char));
gets(s[index].email_id);
printf("\n\t Password:");
s[index].pss_wd=(char*)malloc(30*sizeof(char));
gets(s[index].pss_wd);
printf("\n\t Address:");
s[index].address=(char*)malloc(40*sizeof(char));
gets(s[index].address);
printf("\n\t Phone number:");
s[index].phnno=(char*)calloc(10,sizeof(char));
scanf("%s",s[index].phnno);
printf("\n\t Aadhar number:");
s[index].a_no=(char*)calloc(12,sizeof(char));
scanf("%s",s[index].a_no);
printf("\n\t Age:");
s[index].age=(int*)calloc(3,sizeof(int));
scanf("%d",&s[index].age);
printf("\n\t City:");
s[index].city=(char*)malloc(20*sizeof(char));
scanf("%s",s[index].city);
printf("\n\t Nationality:");
s[index].natity=(char*)malloc(20*sizeof(char));
scanf("%s",s[index].natity);
printf("\n\t Date of check in (DD/MM/YYYY): ");
scanf("%u %u %u",&s[index].dd,&s[index].mm,&s[index].yy);
if(s[index].yy>=1000&&s[index].yy<=9999)
{
    if(s[index].mm>=1&&s[index].mm<=12)

```

```

{
    if((s[index].dd>=1&&s[index].dd<=31)&&(s[index].mm==1||s[index].mm==3||s[index].mm==5||s[index].mm==7||s[index].mm==8||s[index].mm==10||s[index].mm==12))
    {
        printf("\n");
    }
    else if((s[index].dd>=1&&s[index].dd<=30)&&(s[index].mm==4||s[index].mm==6||s[index].mm==9||s[index].mm==11))
    {
        printf("\n");
    }
    else if((s[index].dd>=1&&s[index].dd<=28)&&(s[index].mm==2))
    {
        printf("\n");
    }
    else if((s[index].dd>=1&&s[index].dd<=28)&&s[index].mm==2&&(s[index].yy%400==0&&(s[index].yy%4==0||s[index].yy%100!=0)))
    {
        printf("\n");
    }
}
else
{
    printf("\n Date is invalid");
    printf("\n Date of check in (DD/MM/YYYY): ");
    scanf("\n%u %u %u",&s[index].dd,&s[index].mm,&s[index].yy);
}
}
else {
    printf("\n month is invalid");
    printf("\n Date of check in (DD/MM/YYYY): ");
    scanf("\n%u %u %u",&s[index].dd,&s[index].mm,&s[index].yy);
}
else {
    printf("\n year is invalid");
    printf("\n Date of check in (DD/MM/YYYY): ");
    scanf("\n%u %u %u",&s[index].dd,&s[index].mm,&s[index].yy);
}
    system("pause");
}
main_menu();
}

```



```

}

int main()
{
    char a;
    system("COLOR 30");

    printf("\n\t\t\t\t\t\t*****");
    printf("\n\t\t\t\t\t\t*****");
    printf("\n\t\t\t\t\t\t\t THE ");
    printf("\n\t\t\t\t\t\t\tM   M MMMM MMMM M  M  MMMM M  M  MMM
M  M MMMM\n\t\t\t\t\t\t\ttMM  MM M  M  M  MM M  M  M  M
MM M  M\n\t\t\t\t\t\t\ttM M  M  M  M  M  M  M  M  M  M  M
MMM\n\t\t\t\t\t\t\ttM M  M  M  M  M  M  M  M  M  M  M
MM M  M\n\t\t\t\t\t\t\ttM   M  MMMM MMMM M  M  MMMM M  M  MMM
M  M  MMMM");
    printf("\n\t\t\t\t\t\t*****");
    printf("\n\t\t\t\t\t\t*****");

    printf("\n\n\n\n Hotel Moon Shine is located in the heart of the historic
center of Florence in an extremely characteristic, quite and lively area within
short walk distance\n to all sites and is surrounded by the extraordinary
beauty of churches, buildings, shops and monuments etc. Moon Shine Hotel is
part of a lovingly restored 18th      century's Royal Palace.\n\n On entering
this charming hotel in Florence, you will immediately sense its special intimate
atmosphere that makes you feel like being in your own florentine home. \n
Each detail has been passionately chosen and each room deserves a visit. Hotel
Moon Shine style mixes valuable antiques and original artworks with an unex-
pected      eclectic contemporary twist. The entire House recalls the ancient
'Palazzi' of times past where young European aristocrats lived while discov-
ering the beauty      and the artistic mysteries of Italy.\n\n The special
charm and the cozy mood of Moon Shine will make you feel as a true fiorentine
in Florence.\n\n The Moon Shine Hotel is a modern, elegant 4-star hotel over-
looking the beuaty of the city, perfect for a romantic, charming vacation, in the
enchanting setting of      Florence.The rooms at the Hotel are specially de-
signed, well-lit and inviting. Our reception staff will be happy to help you during
your stay in our city, suggesting      itineraries, guided visits and some good res-
taurants in the historic centre.");

    printf("\n\n\n\n Enter any key for Main Menu:\n");
    getch();
    scanf("%c",&a);
    if((a>=0&&a<=128))
        main_menu();
    return 0;
}

```

Output Screens

1. Main Screen

Hotel Moon Shine is located in the heart of the historic center of Florence in an extremely characteristic, quite and lively area within short walk distance to all sites and is surrounded by the extraordinary beauty of churches, buildings, shops and monuments etc. Moon Shine Hotel is part of a lovingly restored 18th century's Royal Palace.

On entering this charming hotel in Florence, you will immediately sense its special intimate atmosphere that makes you feel like being in your own florentine home. Each detail has been passionately chosen and each room deserves a visit. Hotel Moon Shine style mixes valuable antiques and original artworks with an unexpected eclectic contemporary twist. The entire House recalls the ancient 'Palazzi' of times past where young European aristocrats lived while discovering the beauty and the artistic mysteries of Italy.

The special charm and the cozy mood of Moon Shine will make you feel as a true fiorentine in Florence.

The Moon Shine Hotel is a modern, elegant 4-star hotel overlooking the beauty of the city, perfect for a romantic, charming vacation, in the enchanting setting of Florence. The rooms at the Hotel are specially designed, well-lit and inviting. Our reception staff will be happy to help you during your stay in our city, suggesting itineraries, guided visits and some good restaurants in the historic centre.

Enter any key for Main Menu:

2. Main Menu

MAIN MENU:

We, at, Hotel Moon Shine welcome you to the Hotel services. We take pride to provide you with the world class services. We are delighted to have you provided with the Best services.

Choose the option for which you are looking:

- 1)BOOKINGS
 - 2)CUSTOMER RECORDS
 - 3)ROOM ALLOCATED
 - 4)EDIT RECORDS
 - 5)FEEDBACK FORM
 - 6)BACK TO MAIN PAGE
 - 7)EXIT

3. Booking Services

BOOKING SERVICES:

Welcome to our BOOKING SERVICES. What are you looking for:

- 1.) Room Bookings
- 2.) Packages
- 3.) Special Offers
- 4.) View Total Amount
- 5.) Back to Main Menu

4. Room Bookings

ROOM BOOKINGS:

The rooms of Hotel Moon Shine are extremely comfortable, equipped with warm and precious materials and personalized with authentic antiques expertly chosen one by one in the many markets of Tuscany.

This passion for detail contributes to the intimate, tranquil atmosphere which transforms each room into a pleasant refuge within the bustling city of Florence, in a place where guests can relax after a day spent touring and admiring the many beautiful artistic and architectural sites in the city which cradled the Renaissance. Each bedroom at Moon Shine Hotel has been individually designed in a fresh concept mixing tradition, precious fabrics, period furnitures, italian vintage design, original photos, prints and paintings.

Rooms are light and comfortable and well appointed with a writing desk, wireless internet access and flat screen TV's. Rooms overlooking the front have double soundproof windows.

Types of Rooms:

Single Room (1)	Double Room Single Use (2)	Vanity (3)
<< Rs.2700 per night>> Single Bed, 110/130 cm SLEEPS 1 Individual Design / Cotton sateen sheets Double pillows / Soundproof windows Ensuite bathroom with shower or bathtub please request at time of booking Air Conditioning / Free WIFI Internet FLAT SCREEN TV / SATELLITE TV Bathroom Amenities / Hairdryer Air Conditioning / Free Internet Access	<< Rs. 3000 per night >> Individual Design / Sleeps one Single Bed, queen or European king size, Cotton sateen sheets / Double pillows Soundproof windows / Free WIFI Internet Ensuite bathroom with shower or bathtub FLAT SCREEN TV / SATELLITE TV Minibar & Fridge Bar / Bathroom Amenities Hairdryer / Air Conditioning / Free Internet Access	<< Rs. 3500 per night >> Ensuite small but complete bathroom with shower or bathtub please request at time of booking Individual Design / Cotton sateen sheets Queen bed or two separate beds, as you like Double pillows / Soundproof windows Free WIFI Internet / FLAT SCREEN TV SATELLITE TV / Minibar & Fridge Bar Bathroom Amenities / Hairdryer / Air Conditioning Internet Access
Classic (4)		Superior (5)
<< Rs. 4500 per night >> Individual Design / Cotton sateen sheets Queen bed or two separate beds, as you like Double pillows / Soundproof windows Ensuite bathroom with shower or bathtub Free WIFI Internet / FLAT SCREEN TV SATELLITE TV / Minibar & Fridge Bar Bathroom Amenities / Hairdryer Air Conditioning / Internet Access		<< Rs. 5000 per night >> Individual Design / Cotton sateen sheets King sizedbed or four poster beds or two separate Cotton sateen sheets / Double pillows Soundproof windows / Air Conditioning Free WIFI Internet / FLAT SCREEN TV Breakfast served in the room with no extra charge Chianti Wine bottle in the room upon arrival Fresh fruit basket in the room upon arrival

Choose Room (1/2/3/4/5) : 5

Number of nights stayed : 2

TOTAL = 10000.00000

For Packages and discounts for Special Offers visit option 2 and 3 in BOOKING SERVICES MENU

Press any key to continue . . .

5. Packages

PACKAGES:

The Hotel Moonshine offers several packages in order to ensure customers' comfortable stay. However, additional price would be charged for the package which is available for the customers' entire period of stay at the hotel

Swimming Pool(1)	:	Rs. 1700
Hot Spring Bath(2)	:	Rs. 1900
Arcade(3)	:	Rs. 2100
Spa (4)	:	Rs. 2700

Choose Package :1

Total amount with the package included =11700.000000

For discounts visit option 3 in BOOKING SERVICES menu.

Press any key to continue . . .

6. Special Offers

SPECIAL OFFERS:

The Hotel Moonshine provides the customers with various offers and thereby, presenting the customer with beneficial discounts on Room Bookings.

Business Meeting Discount(1)	:	10
Family Discount(2)	:	15
Special Occasion Discount(3)	:	25
Friends' Group Discount(4)	:	20
Honeymoon Discount(5)	:	30

Discount Applicable :1

Total amount after including packages and applying applicable discount =10530.000000

Press any key to continue . . . ■

7. Customer Records

```
Enter any one option as per your choice! :  
1.Customer intricacies  
2.Display intricacies  
3.Search intricacies  
4.Main menu :1
```

Enter the number of customer records:1

```
Data record# 1  
Enter the details!
```

Name:Deepika Jai

Email Id:dpj@gmail.com

Password:1234

Room Type:Superior

Address:A-133, Vasundra Enclave

Phone number:9991110009

Aadhar number:1029384756123

Age:22

City:Delhi

Nationality:Indian

Date of check in (DD/MM/YYYY): 12 05 2020

Press any key to continue . . .

8. Display Records

```
Enter any one option as per your choice! :  
1.Customer intricacies  
2.Display intricacies  
3.Search intricacies  
4.Main menu :2
```

```
So Here is your intricacies!  
*****  
Name : Deepika Jai  
*****  
Email Id : dpj@gmail.com  
  
*****  
Address : A-133, Vasundra Enclave  
*****  
Number of nights : 2  
*****  
Aadhar number : 1029384756123  
*****  
Age : 22  
*****  
Phone number : 9991110009  
*****  
City : Delhi  
*****  
Nationality : Indian  
*****  
Total amount : 10530.00000  
*****  
Room type : Superior  
*****  
Date of check in : 12/5/2020  
*****
```

Press any key to continue . . .

9. Search Records

Enter any one option as per your choice! :
1.Customer intricacies
2.Display intricacies
3.Search intricacies
4.Main menu :3

Enter the password:1234

So Here is your intricacies!

Name : Deepika Jai

Email Id : dpj@gmail.com

Address : A-133, Vasundra Enclave

Number of nights : 2

Aadhar number : 1029384756123

Age : 22

Phone number : 9991110009

City : Delhi

Nationality : Indian

Total amount : 10530.00000

Room type : Superior

Date of check in : 12/5/2020

10. Room Allotted

ROOM TALLY:

0 : Available -1: Not Available

Single Room			
S01	S02	S03	S04
0	0	0	0
=====			
Double Room			
D01	D02	D03	D04
0	0	0	0
=====			
Vanity Room			
V01	V02	V03	V04
0	0	0	0
=====			
Classic Room			
C01	C02	C03	C04
0	0	0	0
=====			
Superior Room			
U01	U02	U03	U04
-1	0	0	0
=====			

Returning to the Main Menu
Press any key to continue . . .

11. Edit Records

Enter the password whose record you want to edit! :2345

Enter the new details!

Name:Deepi Jai

Email Id: dp@gmail.com

Password:2345

Address:A-122, Mayur Vihar

Phone number:9990001110

Aadhar number:1092387456123

Age:23

City:Delhi

Nationality:Indian

Date of check in (DD/MM/YYYY): 23 05 2020

Press any key to continue . . . ■

12. Feed Back Form

FEED BACK FORM:

```

***** * ***** * ****
*      *      *      *
***** *      *      * ****
*      *      *      *      *
*      ***** *      *      *

```

Thank you for choosing Hotel Moonshine!

Hope you had a fantastic and comfortable stay with us! Your opinions matter a lot to us, so if you could spare a moment to share with us your valuable feedback!

If you would like to give feedback, press Enter.
Press any key to continue . . . ■

Hotel Feedback

1. How did you like your stay?

1= Poor 2= Okay 3= Good 4= Very Good 5= Excellent

5

2. How likely are you to recommend Hotel Moonshine to a friend?

1= Not at All 2= May Be 3= Definitely I'll Recommend

3

3. How likely are you to come back to Hotel Moonshine for another visit?

1= Never Again 2= I'll rather look for other Hotel 3= May Be 4= I'll see to it 5= Whenever I visit Florence

5

4. Would you like to subscribe to our monthly newsletter to never miss out on any deal, Hotel Moonshine related (yes / no)?

yes

Enter your email address:

dn@gmail.com

Thank you for subscribing! You'll get a confirmation email soon. Press Enter to continue to Staff Feedback

Press any key to continue

Staff Feedback

1. How friendly was the stuff?

1= Rude 2= Okay 3= Friendly 4= Good Natured 5= Very Soothing & Friendly

5

2. How punctual was the staff (rate in stars)?

1 2 3 4 5

5

3. How responsive was the staff (rate in stars)?

1 2 3 4 5

5

4. How respectful was the staff(rate in stars)?

1 2 3 4 5

5

5. Any experiences with the staff you'd like to share?

nil

Press Enter to continue to Room Feedback.

Room Feedback

1. What type of room did you have?

Superior

2. How comfortable was the room?

1= Very Discomforting 2= Pricky 3= Comfortable 4= Very Comfortable 5= Extremely Comfortable

15

Please, now, how the continue.

13. Display of Feedback

Deepi's Feedback Form!

1. How did you like your stay?

2. How likely are you to recommend Hotel Moonshine to a friend?

3. How likely are you to come back to Hotel Moonshine for another visit?

Staff Feedback

1. How friendly was the staff?

2. How punctual was the staff?

3. How responsive was the staff?

4. How respectful was the staff?

Room Feedback

1. What type of room did you have?
Superior
2. How comfortable was the room?

3. How clean and hygienic was the room?

Thank you so much for your valuable feedback! We at Hotel Moonshine care about learning from your opinions and improving every waking moment, to deliver to you the best in hospitality!

Press Enter to exit.

Press any key to continue . . .

6. Exit

THANK YOU!!

We are Grateful to you to give us the opportunity to serve you. VISIT US AGAIN.

Process returned 0 (0x0) execution time : 845.400 s
Press any key to continue.

Conclusion

The menu driven program, made using switch case for the Hotel Moonshine, makes room booking easier and hassle free. In the program, we made use of various functions of the C library. We made use of functions of dynamic programming like malloc. We learned about various uses of structures by practically applying them in our program. We made use of functions in our program to make our code more efficient, uniform and easier to read. We used structures for designing the second menu of our program, namely customer records, which involved making of the structure “customer” for accepting various customer details. We used malloc to input data of the customer. We made functions for ever sub part of the menu, namely, room booking, customer records, room allocation, edit records and feedback form. We even made an exit function for our program. We made use of arrays and strings to get data from the user and store it in a place which is way more easily accessible and editable. We made use of iteration statements in our program, namely for loops, while loops, etc. for multiple execution of the same body under a particular text condition. Various printf and scanf statements were used in the feedback form and a special function was created for converting an integer value in to equivalent number of star rating. This whole program is very useful in the real world and to the society as this can be applied to various different fields to make all data way more easily accessible and editable, getting everyone more connected than ever in this ever evolving world.

References

1. Let us C by Yashwant Kanetkar