**hotel rooms managEment**

A Course Work Project Report submitted in partial fulfillment of the requirement for the award of the degree of

**Bachelor of Technology**

**in**

**Computer Science & Engineering**

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***DECLARATION***

*We declare that the course project work entitled* ***“HOTEL ROOMS MANAGEMENT SYSTEM”*** *recorded in this course project work does not form part of any other project work. We further declare that the course project work report is based on our work carried-out at* ***“SR University, Ananthasagar Mandal, Hanmakonda District – 506 371”*** *in the second year of our B.Tech course.*

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***ABSTRACT***

The “ **H O T E L R OO M S MA N A G E M E N T S Y S T E M”**” project has been designed keeping in mind both employee and guest. For a guest to avail room he simply has to book room and then checking in directly checking in to the hotel. The task of maintaining the hotel rooms with employee.

They should be able to reserve available rooms according to their need in advance in order to make their living comfortable. Admin submits customer booking details. Users can register and log in to the system. The manager will know the booking details and daily earnings. The hotel department oversees the availability of seats and booking details in a database. This project provides high security for Admin and user information. The main purpose of this project is to design a hotel room management system for running a hospitality business.

This project aims at creating on Hotel Management System which can be used by Admin and Customers. The admin to advise/publish the availability of rooms in different hotels and customers are checking the availability of room in required hotel. Customers should be able to know the availability of the rooms on a particular date to reserve in hotel. They should be able to reserve the available rooms according to their need in advance to make their stay comfortable. The Admin hands the booking information of customers. The users can register and log into the system. The administrator will know the details of reservation and daily income. The hotel department maintain the seat availability and booking details in certain database. This project provides high security to Admin and user information.

The main objective of this project is to design a hotel management system for running a hotel business. The system should be as flexible as possible so that it can be used for different hotels. You have to find out which procedures hotels have used for different hotels. You have to find out which procedures hotels have and based on that information, you should create a system which makes it efficient. You need to find out how a hotel system works on the internet, use your own experience or directly talk to people in the hotel business.

****

**Ananthasagar, Hasanparthy Mandal, Warangal District – 506 371. www.sru.edu.in**

***CERTIFICATE***

*This is to certify that the course project report entitled* ***<HOTEL ROOMS MANAGEMENT SYSTEM>*** *that is being submitted by* ***<A.Vishnu priya sagari, A.Bhavana, G.Annapurna, M.yashaswi >*** *in partial fulfillment for the award of* ***B.Tech*** *in* ***Computer Science & Engineering*** *to the SR University, Ananthasagar, Hanmakonda-506371 is a record of bonafide work carried out by them under my guidance and supervision.*

**Supervisor Head**

**M. Srinivas Department of CS & AI**

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**INTRODUCTION**

**CHAPTER 1**

**INTRODUCTION**

**1.1 PROBLEM STATEMENT**

The project, Hotel Room Management System is a web-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various hotel bookings and rooms make this system very flexible and convenient. The hotel room manager is a very busy person and does not have the time to sit and manage the entire activities manually on paper. This application gives him the power and flexibility to manage the entire system from a single online system. Hotel room management project provides room booking, staff management and other necessary hotel room management features. The system allows the manager to post available rooms in the system. Customers can view and book room online. Admin has the power of either approving or disapproving the customer’s booking request. Other hotel services can also be viewed by the customers and can book them too. The system is hence useful for both customers and managers to portable manage the hotel activities.

Develop a C Application to store details of the Customers in terms of ( Room Number , Name, Address, Phone Number, Nationa lity, Email ,Period of days, Arrival date ) store the data in linked lists.

**1.2 SYSTEM DESIGN AND MODULE**

Provide the functionality for below mentioned:

1. To Book a room according to the following details:

* Room Number
* Name
* Address
* Phone Number
* Nationality
* Email
* Period of days
* Arrival date

1. To delete the customer details:
2. To search details of the customer according to room number

And displaying the following details:

* Room Number
* Name
* Address
* Phone Number
* Nationality
* Email
* Period of days
* Arrival date

1. To search details of the customer according to arrival date

And displaying the following details

* Room Number
* Name
* Address
* Phone Number
* Nationality
* Email
* Period of days
* Arrival date

1. To Display details of the customer according to:

* Room Number
* Name
* Address
* Phone Number
* Nationality
* Email
* Period of days
* Arrival date

1. Exit the program

**1.3 MODULE DETAILS**

# MODULES

In this application all variables and structure are declared globally so that these variables and structure members can be accessed throughout the program at any function call. We can assign value in void , int , struct .We can choose any function by using function calls which are declared in switch-case. And we use Linked lists to store the data.

Here we use the Linked lists to store the data we give so that we can view the data whenever we want. The application asks the person who runs the program to choose any choice.

In this application six modules are used.

1. BOOK ROOM IN THE HOTEL

This will be displayed by pressing option 1. In this module it will ask us to enter the details of the customer in terms of Name, Room Number, Phone Number, Address, Nationality, Email, Period of days, Arrival date. And it will ask users which type of room they want ac or non-ac accordingly their payment will be. And it will also ask users what type of payment they want to pay like UPI,credit,NET Banking, Cash and they will be getting discount according to type of payment. And at the end it will ask us whether to enter other customer details or exit this page.

In this module printf and scanf functions are used and this module is called from switch case and we used Data structures in this module. And we also use Linked lists to store data.

2. TO VACATE THE ROOM

This will be displayed by pressing option 2. In this module it will ask us to enter the room number of customer to delete the details of the customer .If we give the correct room number the total data will be deleted if we give wrong room number it will give a message saying that the given room number does not exist.

In this module we represent the data by using structures and by using switch case. And use while loop and Linked lists to store data.

3.SEARCH THE CUSTOMER DETAILS

This will be displayed by pressing option 3. In this module it will ask us to enter the room number of customer to search the details of the customer. If we give the correct room number the total data will be shown if we give wrong room number it will give a message saying that the given room number doesn’t exist. It will display details in terms of Room Number, Name, Address, Phone Number, Nationality, Email, Period of days, Arrival date.

In this module we represent the data by using structures and by using switch case And we use string compare and if else statements.

4.SEARCH CUSTOMER DETAILS ACCORDING TO DATE

This will be displayed, by pressing option 4. In this module it will ask us to enter arrival date of customers to search the customer details by arrival date. We can find details of customer by date of the person booked the room. And in this module if two customers have arrived on same date then it will display all their details .It will display details in terms of Room Number, Name, Address, Phone Number, Nationality, Email, Period of days, Arrival date.

In this module we represent the data by using structures and by using switch case and we use string compare.

1. DISPLAYING CUSTOMER DETAILS

This will be displayed ,by pressing option 5. In this module it will display all the customers details. It will display details in terms of Room Number, Name, Address, Phone Number, Nationality, Email, Period of days, Arrival date.

In this module we represent the data by using structures and by using switch case And we use string compare and if else statements.

6. Exit

If we can want to exit than we must press this 6. Option. It will print a message saying Thank you and visit again.

**1.4 SOFTWARE SPECIFICATIONS**

1. Operating system : windows 11 Home Edition

2. Application : Dev c++, version 5.11

3. Processor : Intel core i5,10th Generation,3GHZ

4. RAM : 8GD DDR4

5. SSD : 512 GB,2000 RPM

**Dev-C++ Editors :**

Dev-C++ is a fully featured graphical IDE (Integrated Development Environment) that uses the Min Gw , compiler system to create Windows as well as Console based C/C++ applications. It can also be used with any other GCC-based compiler like Cygwin.Dev-C++ is free software and is distributed under the GNU General Public License.

Thus, we can distribute or modify the IDE freely. It was originally developed by “Bloodshed Software”. It has been forked by Orwell after it was abandoned by Bloodshed in 2006.

Dev-C++ supports GCC-based compilers including Cygwin, MinGW, etc. We can either install a dev-C++ IDE along with the compiler integrated or just an IDE if we already have a compiler on our system performs all the general debugging operations on source code.

It has a localization feature that provides support for multiple languages. We can select the language the first time when we open the IDE after installing it. We can also change the language anytime using settings.

Like the other IDEs, this IDE also provides the “Auto-Completion” feature for the code we write.

It comes with customizable syntax highlighting editor that can make the source code more readable.

Allows to Edit and compile the Resource files.

Has a Tool Manager that contains various tools that can be used in the project.this IDE also has inbuilt Find and replace facilities.

Using Dev-C++ IDE, we can create various types of applications be it Windows, Console, Static libraries or DLLs.

**Windows 11:**

**Windows 11** is the latest major release of [Microsoft](https://en.wikipedia.org/wiki/Microsoft)'s [Windows NT](https://en.wikipedia.org/wiki/Windows_NT) [operating system](https://en.wikipedia.org/wiki/Operating_system), released in October 2021. It is a free upgrade to its predecessor, [Windows 10](https://en.wikipedia.org/wiki/Windows_10) (2015), available for any Windows 10 devices that meet the new Windows 11 system requirements.

Windows 11 features major changes to the Windows [shell](https://en.wikipedia.org/wiki/Shell_(computing)) influenced by the cancelled [Windows 10X](https://en.wikipedia.org/wiki/Windows_10X), including a redesigned [Start menu](https://en.wikipedia.org/wiki/Start_menu), the replacement of its "live tiles" with a separate "Widgets" panel on the [taskbar](https://en.wikipedia.org/wiki/Taskbar), the ability to create tiled sets of windows that can be minimized and restored from the [taskbar](https://en.wikipedia.org/wiki/Taskbar) as a group, and new gaming technologies inherited from [Xbox Series X and Series S](https://en.wikipedia.org/wiki/Xbox_Series_X_and_Series_S) such as [Auto HDR](https://en.wikipedia.org/wiki/High-dynamic-range_video) and [Direct ,Storage](https://en.wikipedia.org/wiki/DirectStorage) on compatible hardware. [Internet Explorer](https://en.wikipedia.org/wiki/Internet_Explorer) (IE) has been replaced by the [Chromium](https://en.wikipedia.org/wiki/Chromium_(web_browser))-based [Microsoft Edge](https://en.wikipedia.org/wiki/Microsoft_Edge) as the default web browser like its predecessor, [Windows 10](https://en.wikipedia.org/wiki/Windows_10), and [Microsoft Teams](https://en.wikipedia.org/wiki/Microsoft_Teams) is integrated into the Windows shell. Microsoft also announced plans to allow more flexibility in software that can be distributed via [Microsoft Store](https://en.wikipedia.org/wiki/Microsoft_Store), and to support [Android](https://en.wikipedia.org/wiki/Android_(operating_system)) [apps](https://en.wikipedia.org/wiki/Mobile_app) on Windows 11 (including a partnership with [Amazon](https://en.wikipedia.org/wiki/Amazon_Appstore) to make its [app store](https://en.wikipedia.org/wiki/App_store) available for the function).

Citing security considerations, the system requirements for Windows 11 were increased over Windows 10. Microsoft only officially supports the operating system on devices using an [eighth-generation](https://en.wikipedia.org/wiki/Coffee_Lake) [Intel Core](https://en.wikipedia.org/wiki/Intel_Core) CPU or newer (with some minor exceptions), [AMD Ryzen](https://en.wikipedia.org/wiki/Ryzen) CPU based on [Zen+](https://en.wikipedia.org/wiki/Zen%2B) microarchitecture or newer, or a [Qualcomm Snapdragon 850](https://en.wikipedia.org/wiki/List_of_Qualcomm_Snapdragon_processors#Snapdragon_835,_850,_7c,_7c_Gen_2,_8c,_8cx_and_8cx_Gen_2) [ARM](https://en.wikipedia.org/wiki/ARM_architecture) [system-on-chip](https://en.wikipedia.org/wiki/System_on_a_chip) or newer, with [UEFI secure boot](https://en.wikipedia.org/wiki/UEFI_secure_boot) and [Trusted Platform Module](https://en.wikipedia.org/wiki/Trusted_Platform_Module) (TPM) 2.0 supported and enabled (although Microsoft may provide exceptions to the TPM 2.0 requirement for OEMs). availability of [updates](https://en.wikipedia.org/wiki/Windows_Update). Windows 11 removed support for [32-bit](https://en.wikipedia.org/wiki/32-bit_computing) [x86](https://en.wikipedia.org/wiki/X86) CPUs and devices which use [BIOS](https://en.wikipedia.org/wiki/BIOS) firmware.

**1.5 KNOWLEDGE REQUIRED TO DEVELOP THIS APPLICATION**

* + Control Statements(if, if-else, switch)
  + Loop Statements(while)
  + Strings (Strings and Table of strings) and its functions (strcpy, strcmp)
  + Functions (Any type of user defined functions)
  + Structure (structures )
  + Pointers
  + Linked list concepts

**CODING**

**CHAPTER 2**

**CODING**

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

struct node // Structure declaration

{

char \*name [100];

int rno;

char \*phone [20];

char \*address [100];

char \*nationality [50];

char \*mail [100];

char \*ad [100];

int days;

struct node \*next;

} \*head=NULL;

struct node \*cp=NULL;

struct node \*insert (struct node \*);

struct node \*Delete (struct node \*);

void search (struct node \*, int);

void search ad (struct node \*);

void display (struct node \*);

int count (struct node \*);

void book(int);

void pay(int);

int rooms;

int main()

{

int choice,rn,r;

cp=head;

//\*entering the number of rooms available in hotel\*/

Printf ("\n Enter Total Number of Rooms Available In The Hotel:");

scanf("%d",&rooms);

do

{

printf("\n|-----------------------------------------------------------------------------------------|");

printf ("\n| WELCOME TO HOTEL RATNA |");

printf("\n|-----------------------------------------------------------------------------------------|");

printf ("\n| WELCOME TO OUR HOTEL |");

printf("\n|-----------------------------------------------------------------------------------------|");

printf ("\n| 1. BOOK ROOM IN THE HOTEL |");

printf ("\n| 2. TO VACATE THE ROOM |");

printf ("\n| 3. SEARCH THE CUSTOMER DETAILS |");

printf ("\n| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |");

print f("\n| 5. DISPLAYING CUSTOMER DETAILS |");

printf ("\n| 6. EXIT |");

printf("\n|--------------------------------------------------------------------------------------------|");

/\*entering our choice according to menu\*/

Printf ("\n\n Enter your choice from menu:");

scanf("%d",&choice);

switch(choice)

{

case 1:

head=insert(head);

cp=head;

break;

case 2:

head=Delete(head);

//\*displaying that person as vacated the room their details are deleted/

break;

case 3:

//\*entering the room number to search customer details\*/

printf("\n Enter the room number to search details :");

scanf("%d",&rn);

if( head==NULL)

{

Printf ("\n The rooms are empty, cannot perform searching");

}

else

{

search(head,rn);

}

break;

case 4:

//\*we should enter arrival date to check customer details on that day\*/

if(cp==NULL)

{

Printf ("\n The rooms are empty, cannot perform searching");

}

else

{

searchad(cp);

}

break;

case 5:

display(head);

break;

case 6:

printf ("\n This program is stopped now...!!\n");

break;

default:

printf ("\n Wrong choice\n");

break;

}

} while(choice!=6);

}

/\*definition of insert()\*/

struct node \*insert(struct node \*head)

{

int d1,r1;

struct node \*tp,\*pp;

if(count(head)==rooms)

{

//\*displaying that all rooms are full\*/

Printf ("\n Sorry the rooms are full..!!");

return 0;

}

tp=(struct node\*) malloc(sizeof(struct node));

printf ("\n ENTER CUSTOMER DETAILS \n");

printf ("\n ROOM NUMBER :");

scanf("%d",&r1);

printf ("\n NAME :");

scanf (" %s", tp->name);

printf ("\n PHONE NUMBER :");

scanf("%s",tp->phone);

printf ("\n ADDRESS :");

scanf("%s",tp->address);

printf ("\n NATIONALITY :");

scanf("%s",tp->nationality);

printf ("\n MAIL ID :");

scanf("%s",tp->mail);

printf ("\n ARRIVAL DATE(dd-mm-yyyy) :");

scanf ("%s", tp->ad);

printf ("\n TIME PERIOD :");

scanf ("%d", &d1);

tp->rno=r1;

tp->days=d1;

if((head==NULL) ||d1<head->days)

{

tp->next=head;

head=tp;

}

else

{

pp=head;

while(pp->next! =NULL&&pp->next->days<=d1)

{

pp=pp->next;

}

tp->next=pp->next;

pp->next=tp;

}

book(d1);

return head;

}

/\*definition of display ()\*/

void display (struct node \*head)

{

struct node \*tp;

tp=head;

if(head==NULL)

{

Printf("\n The rooms are empty");

}

else

{

Printf ("\n THE ALLOTED ROOMS ARE ");

while(tp!=NULL)

{

printf("\n------------------------------------------------------------------");

printf ("\n ROOM NUMBER :%d ",tp->rno);

printf("\n NAME :%s ",tp->name);

printf("\n PHONE NUMBER :%s ",tp->phone);

printf("\n ADDRESS :%s ",tp->address);

printf("\n NATIONALITY :%s ",tp->nationality);

printf("\n EMAIL ID :%s ",tp->mail);

printf("\n ARRIVAL DATE :%s ",tp->ad);

printf("\n TIME PERIOD :%d ",tp->days);

printf("\n--------------------------------------------------------------------");

printf("\n \n");

tp=tp->next;

}

}getchar();

}

/\*definition of delete()\*/

struct node\* Delete(struct node \*head)

{

int rn;

printf("\n Enter your room number to vacate:");

scanf("%d",&rn);

struct node \*tp,\*pp;

tp=head;

if(head==NULL)

{

printf("\n The rooms are empty");

return 0;

}

else if(rn==tp->rno)

{

tp=head;

printf("\n Customer In Room no %d is Vacated",tp->rno);

free(tp);

head=head->next;

}

else

{

while(tp!=NULL&&tp->rno!=rn)

{

pp=tp;

tp=tp->next;

}

if(tp==NULL)

{

printf("\n The entered room is already vacant");

return 0;

}

pp->next=tp->next;

free(tp);

printf("\n Customer in room no %d is Vacated",tp->rno);

}

return head;

}

int count(struct node \*head)

{

int cnt=0;

while(head!=NULL)

{

cnt++;

head=head->next;

}

return cnt;

}

void search(struct node \*tp, int rn)

{

int position=0;

while(tp!=NULL)

{

if(tp->rno==rn)

{

printf("\n The Customer Details of Entered Room no Is:");

printf("\n------------------------------------------------------------------");

printf("\n ROOM NUMBER :%d ",tp->rno);

printf("\n NAME :%s ",tp->name);

printf("\n PHONE NUMBER :%s ",tp->phone);

printf("\n ADDRESS :%s ",tp->address);

printf("\n NATIONALITY :%s ",tp->nationality);

printf("\n EMAIL ID :%s ",tp->mail);

printf("\n ARRIVAL DATE :%s ",tp->ad);

printf("\n TIME PERIOD :%d ",tp->days);

printf("\n----------------------------------------------------------------------");

printf("\n \n");

return;

}

else

{

tp=tp->next;

position++;

}

}

If (position==count(head))

{

printf("\n The Room is empty or not present");

}

}

void searchad(struct node \*tp)

{

char avd[10];

printf("\n Enter the Arrival date to search customers details:");

scanf("%s",avd);

while(tp!=NULL)

{

if(strcmp(tp->ad,avd)==0)

{

printf("\n The Details of customer arrived on this date are :");

printf("\n------------------------------------------------------------------");

printf("\n ROOM NUMBER :%d ",tp->rno);

printf("\n NAME :%s ",tp->name);

printf("\n PHONE NUMBER :%s ",tp->phone);

printf("\n ADDRESS :%s ",tp->address);

printf("\n NATIONALITY :%s ",tp->nationality);

printf("\n EMAIL ID :%s ",tp->mail);

printf("\n ARRIVAL DATE :%s ",tp->ad);

printf("\n TIME PERIOD :%d ",tp->days);

printf("\n--------------------------------------------------------------------------");

printf("\n \n");

}

tp=tp->next;

}

}

void book(int d1)

{

int ch,a=0;

//\*asking the type of room they want\*/

printf("\n Type of room:");

printf("\n 1.AC");

printf("\n 2.Non-AC");

printf("\nEnter your choice of room:");

scanf("%d",&ch);

switch(ch)

{

case 1:

//\*cost for ac room per day\*/

Printf ("\n The cost of room:2500 per day");

a=2500\*d1;

printf("\n Total cost you need to be paid is:%d",a);

pay(a);

break;

case 2:

//\*cost for non-ac room per day\*/

Printf ("\n The cost of room:1500 per day");

a=1500\*d1;

printf ("\n Total cost you need to be paid is:%d",a);

pay(a);

break;

default:

printf ("\n Wrong choice")

}

}

void pay (int a)

{

int e;

char f;

//\*entering the type of payement and discounts\*/

Printf ("\n\n---PAYMENT OPTIONS---");

printf ("\n 1.UPI discount of 5 percent");

printf ("\n 2.CREDIT CARD discount of 6 percent");

printf ("\n 3.NET BANKING discount of 8 percent");

printf ("\n 4.Cash - no discount");

printf ("\n enter your choice:");

scanf ("%d" ,&e);

switch(e)

{

case 1:

printf ("\n Amount to be paid after discount is :%f",(a-(a\*0.05)));

break;

case 2:

printf ("\n Amount to be paid after discount is :%f",(a-(a\*0.06)));

break;

case 3:

printf ("\n Amount to be paid after discount is :%f",(a-(a\*0.08)));

break;

case 4:

printf ("\n Amount to be paid :%d", a);

break;

default : printf ("\n enter correct choice");

}

/\*asking whether they want to book a room or no\*/

printf ("\n Do you want to complete the payment (y/n):");

scanf (" %c", &f);

if(f=='y'||f=='Y')

{

Printf ("\n-----------------\*\*\*\*------------------");

printf ("\n ---your payment is successful!!!------");

printf ("\n ---your room is successfully booked---");

printf("\n-----------------\*\*\*\*------------------");

}

else

{

printf("\n--------------\*\*\*\*-------------------");

printf ("\n ---your payment is cancelled--------\n");

printf("\n--------------\*\*\*\*-------------------");

}

}

**OUTPUT**

**CHAPTER 3**

**OUTPUT**

Enter Total Number of Rooms Available In The Hotel:30

|-------------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|-------------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|-------------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-------------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :101

NAME :Hruthik

PHONE NUMBER :7896845312

ADDRESS :Hanamkonda

NATIONALITY :Indian

MAIL ID :hruthik@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :30-11-2022

TIME PERIOD :2

Type of room:

1.AC

2.Non-AC

Enter your choice of room:2

The cost of room : 1500 per day

Total cost you need to be paid is : 3000

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:3

Amount to be paid after discount is:2760.000000

Do you want to complete the payment (y/n):y

-----------------\*\*\*\*------------------

---your payment is successful!!!------

---your room is successfully booked---

-----------------\*\*\*\*------------------

|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :102

NAME :Aadya

PHONE NUMBER :6785940213

ADDRESS :Vikarabad

NATIONALITY :Indian

MAIL ID :aadya@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :30-11-2022

TIME PERIOD :3

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room : 2500 per day

Total cost you need to be paid is : 7500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:2

Amount to be paid after discount is:7050.000000

Do you want to complete the payment (y/n):y

-----------------\*\*\*\*------------------

---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|------------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :103

NAME :Lasya

PHONE NUMBER :9856431200

ADDRESS :Warangal

NATIONALITY :Indian

MAIL ID :lasya@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :30-11-2022

TIME PERIOD :1

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room:2500 per day

Total cost you need to be paid is:2500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:2

Amount to be paid after discount is:2350.000000

Do you want to complete the payment (y/n):y

-----------------\*\*\*\*------------------

---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :104

NAME :Chandramana

PHONE NUMBER :9123645012

ADDRESS :Bhopal

NATIONALITY :Indian

MAIL ID :chandu@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :1-12-2022

TIME PERIOD :2

Type of room:

1.AC

2.Non-AC

Enter your choice of room:2

The cost of room:1500 per day

Total cost you need to be paid is:3000

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:3

Amount to be paid after discount is:2760.000000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :105

NAME :Ramcharan

PHONE NUMBER :6908761200

ADDRESS :Lucknow

NATIONALITY :Indian

MAIL ID :ram@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :1-12-2022

TIME PERIOD :4

Type of room:

1.AC

2.Non-AC

Enter your choice of room:2

The cost of room:1500 per day

Total cost you need to be paid is:6000

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:4

Amount to be paid :6000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :106

NAME :Ruthwik

PHONE NUMBER :7894321670

ADDRESS :Mumbai

NATIONALITY :Indian

MAIL ID :ruthwik@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :1-12-2022

TIME PERIOD :1

Type of room:

1.AC

2.Non-AC

Enter your choice of room:2

The cost of room:1500 per day

Total cost you need to be paid is:1500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:1

Amount to be paid after discount is:1425.000000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :107

NAME :Dhanush

PHONE NUMBER :9081200022

ADDRESS :Manali

NATIONALITY :Indian

MAIL ID :dhanush@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :2-12-2022

TIME PERIOD :3

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room:2500 per day

Total cost you need to be paid is:7500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:4

Amount to be paid :7500

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :108

NAME :Varun

PHONE NUMBER :8712365498

ADDRESS :Delhi

NATIONALITY :Indian

MAIL ID :varun@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :3-12-2022

TIME PERIOD :2

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room:2500 per day

Total cost you need to be paid is:5000

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:2

Amount to be paid after discount is:4700.000000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :109

NAME :Srivalli

PHONE NUMBER :7834900956

ADDRESS :Kolkata

NATIONALITY :Indian

MAIL ID :srivalli@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :3-12-2022

TIME PERIOD :1

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room:2500 per day

Total cost you need to be paid is:2500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:3

Amount to be paid after discount is:2300.000000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:1

ENTER CUSTOMER DETAILS

ROOM NUMBER :110

NAME :Manasa

PHONE NUMBER :8976788091

ADDRESS :Ranchi

NATIONALITY :Indian

MAIL ID :manasa@gmail.com

ARRIVAL DATE(dd-mm-yyyy) :4-12-2022

TIME PERIOD :1

Type of room:

1.AC

2.Non-AC

Enter your choice of room:1

The cost of room:2500 per day

Total cost you need to be paid is:2500

---PAYMENT OPTIONS---

1.UPI discount of 5 percent

2.CREDIT CARD discount of 6 percent

3.NET BANKING discount of 8 percent

4.Cash - no discount

enter your choice:1

Amount to be paid after discount is:2375.000000

Do you want to complete the payment (y/n):y

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---your payment is successful!!!------

---your room is successfully booked---

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:5

THE ALLOTED ROOMS ARE

-----------------------------------------------

ROOM NUMBER :103

NAME :Lasya

PHONE NUMBER :9856431200

ADDRESS :Warangal

NATIONALITY :Indian

EMAIL ID :lasya@gmail.com

ARRIVAL DATE :30-11-2022

TIME PERIOD :1

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ROOM NUMBER :106

NAME :Ruthwik

PHONE NUMBER :7894321670

ADDRESS :Mumbai

NATIONALITY :Indian

EMAIL ID :ruthwik@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :1

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ROOM NUMBER :109

NAME :Srivalli

PHONE NUMBER :7834900956

ADDRESS :Kolkata

NATIONALITY :Indian

EMAIL ID :srivalli@gmail.com

ARRIVAL DATE :3-12-2022

TIME PERIOD :1

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ROOM NUMBER :110

NAME :Manasa

PHONE NUMBER :8976788091

ADDRESS :Ranchi

NATIONALITY :Indian

EMAIL ID :manasa@gmail.com

ARRIVAL DATE :4-12-2022

TIME PERIOD :1

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ROOM NUMBER :101

NAME :Hruthik

PHONE NUMBER :7896845312

ADDRESS :Hanamkonda

NATIONALITY :Indian

EMAIL ID :hruthik@gmail.com

ARRIVAL DATE :30-11-2022

TIME PERIOD :2

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ROOM NUMBER :104

NAME :Chandramana

PHONE NUMBER :9123645012

ADDRESS :Bhopal

NATIONALITY :Indian

EMAIL ID :chandu@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :2

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ROOM NUMBER :108

NAME :Varun

PHONE NUMBER :8712365498

ADDRESS :Delhi

NATIONALITY :Indian

EMAIL ID :varun@gmail.com

ARRIVAL DATE :3-12-2022

TIME PERIOD :2

-----------------------------------------------

-----------------------------------------------

ROOM NUMBER :102

NAME :Aadya

PHONE NUMBER :9785940213

ADDRESS :Vikarabad

NATIONALITY :Indian

EMAIL ID :aadya@gmail.com

ARRIVAL DATE :30-11-2022

TIME PERIOD :3

-----------------------------------------------

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ROOM NUMBER :107

NAME :Dhanush

PHONE NUMBER :9081200022

ADDRESS :Manali

NATIONALITY :Indian

EMAIL ID :dhanush@gmail.com

ARRIVAL DATE :2-12-2022

TIME PERIOD :3

-----------------------------------------------

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ROOM NUMBER :105

NAME :Ramcharan

PHONE NUMBER :6908761200

ADDRESS :Lucknow

NATIONALITY :Indian

EMAIL ID :ram@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :4

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:3

Enter the room number to search details :102

The Customer Details of Entered Room no Is:

-----------------------------------------------

ROOM NUMBER :102

NAME :Aadya

PHONE NUMBER :6785940213

ADDRESS :Vikarabad

NATIONALITY :Indian

EMAIL ID :aadya@gmail.com

ARRIVAL DATE :30-11-2022

TIME PERIOD :3

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:4

Enter the Arrival date to search customers details:1-12-2022

The Details of customer arrived on this date are :

-----------------------------------------------

ROOM NUMBER :106

NAME :Ruthwik

PHONE NUMBER :7894321670

ADDRESS :Mumbai

NATIONALITY :Indian

EMAIL ID :ruthwik@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :1

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The Details of customer arrived on this date are :

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ROOM NUMBER :104

NAME :Chandramana

PHONE NUMBER :9123645012

ADDRESS :Bhopal

NATIONALITY :Indian

EMAIL ID :chandu@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :2

-----------------------------------------------

The Details of customer arrived on this date are :

-----------------------------------------------

ROOM NUMBER :105

NAME :Ramcharan

PHONE NUMBER :6908761200

ADDRESS :Lucknow

NATIONALITY :Indian

EMAIL ID :ram@gmail.com

ARRIVAL DATE :1-12-2022

TIME PERIOD :4

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|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:2

Enter your room number to vacate:101

Customer in room no 101 is Vacated

|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:2

Enter your room number to vacate:106

Customer in room no 106 is Vacated

|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:2

Enter your room number to vacate:101

The entered room is already vacant

|----------------------------------------------------------------------------------------|

| WELCOME TO HOTEL RATNA |

|----------------------------------------------------------------------------------------|

| WELCOME TO OUR HOTEL |

|----------------------------------------------------------------------------------------|

| 1. BOOK ROOM IN THE HOTEL |

| 2. TO VACATE THE ROOM |

| 3. SEARCH THE CUSTOMER DETAILS |

| 4. SEARCH THE CUSTOMER DETAILS ACCORDING TO DATE |

| 5. DISPLAYING CUSTOMER DETAILS |

| 6. EXIT |

|-----------------------------------------------------------------------------------------|

Enter your choice from menu:6

This program is stopped now...!!

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Process exited after 966.6 seconds with return value 0

Press any key to continue . . .

**CONCLUSION**