



HOTEL MANAGEMENT PROJECT

Computer Science

Atomic Energy Central School -3, Tarapur **ACKNOWLEDGMENT**

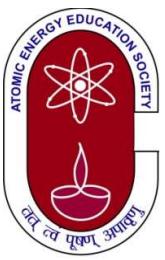
We would like to express our special thanks of gratitude to our teacher Mrs. Sona O.K. as well as our Principal Mr. Sanjib Ghosh who gave us the golden opportunity to do this wonderful project on the topic Hotel Management, which also helped us in doing a lot of research and we came to know about so many new things. We are really thankful to them.

Secondly, we would also like to thank our parents who helped us a lot in finalizing this project within the limited time frame.

Thank You!
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Department of Computer Science

PROJECT RECORD

Certified that this is the completed bonafied record of work done

by

1.Mast. /Kum. : _____ Exam. Roll No. : _____

2.Mast. /Kum. : _____ Exam. Roll No. : _____

3.Mast. /Kum. : _____ Exam. Roll No. : _____

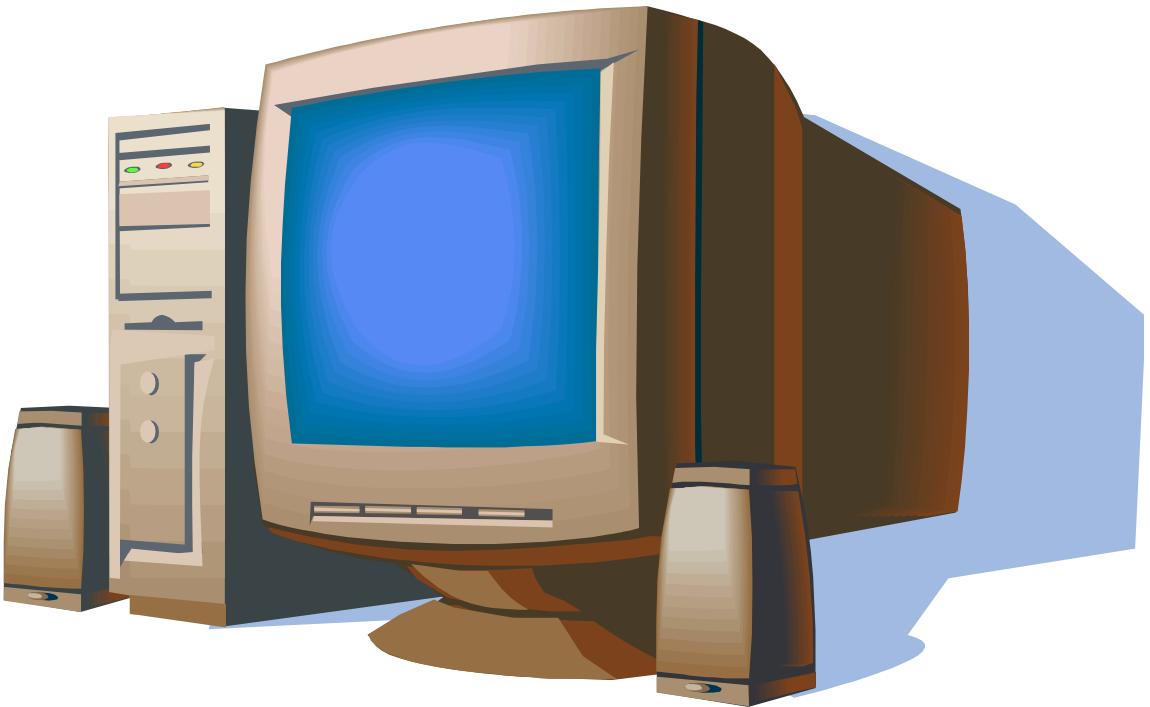
In partial fulfillment of the requirements of CBSE Practical
Examination in Computer Science (AISSCE Code 083) 2022-23

[Mrs. Sona O.K.]
Dept. In-Charge

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Principal

Sign.of Examiner(s)

Software Manual



Hotel Management System

Overview our program

Hotel Paradise Star

INDEX:

Main File:

Booking:

- Preferences
- Details

Guest Info:

- Customer Records

Checkout:

- Payment
- Feedback

Other Amenities

About Us

About

Hotel Management Project :

This is a graphical user interface (GUI) made using python tkinter.



Using this hotel management program, one can perform the following tasks:

- ✓ **Book rooms** according to their choice, select their preferences and add extras commodities.
- ✓ **Check guest info:** can read, update, create or delete a customer's details.
- ✓ **Purchase items:** Using the 'Purchase Menu', one can order, snack items, extra meals or beauty and hygiene products.
- ✓ **Check Out:** The final bill appears on the screen followed by a feedback form. The customer can now checkout.

GENERAL INFORMATION OF PROJECT:

A hotel management project is defined as a system that enabled a hotel or group of hotels to manage front-office capabilities, such as booking reservations, guest check-in/checkout, room assignment, managing room rates, and billing.

MINIMUM HARDWARE AND SOFTWARE

REQUIREMENTS:

Minimum hardware requirements are very dependent on the particular software being developed by a given Python user.

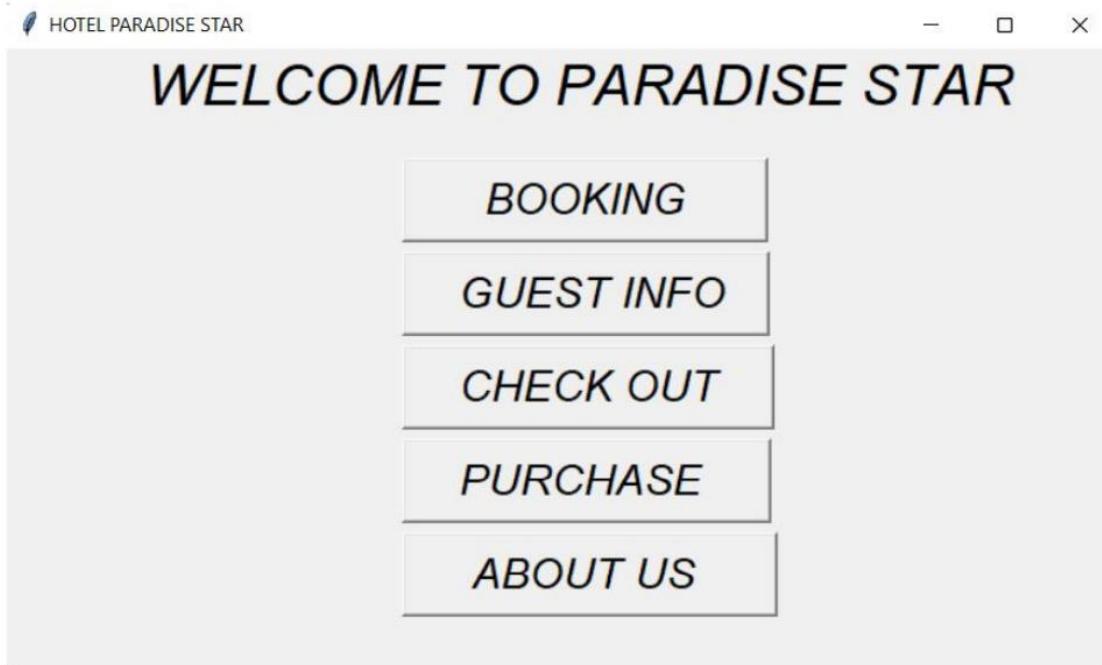
- Modern Operating System
- Longer battery life
- Windows 7 or 10
- Mac OS X 10.11 or higher, 64-bit
- Linux: 64-bit
- x86 64-bit CPU (Intel / AMD architecture)
- 4 GB RAM
- 5 GB free disk space

Most users will find that any computer bought in recent years will meet (and usually exceed) these hardware requirements.

AUTHORIZED USE OF SYSTEM:

First, the main menu can be seen. Click on the respective buttons to perform various tasks.

- ✓ **Booking:** Enables the user to book new rooms for the guests.
- ✓ **Guest Info:** Displays the details and customer preferences of the guests.
- ✓ **Check Out:** Enables a guest to proceed for checkout.
- ✓ **Purchase:** Extra meals, beauty products and other services can be purchased.
- ✓ **About Us:** Click to know more about our hotel.



BOOKING:

- ✓ **Room Preference:** Book rooms according to your choice.
- ✓ **No. Of Days:** Enter the number of days of stay in the entry widget.
- ✓ **Additional Service:** Select one or more services.
Additional charges apply.
- ✓ **Meals:** Select your meal preferences.

CLICK ON “SUBMIT” TO PROCEED FURTHER.

The screenshot shows a web page with a header 'HOTEL PARADISE STAR' and a close button. The main title is 'Please Select Your Preferences'. The form includes sections for room preference (radio buttons for Standard Non-AC, Standard AC, Deluxe Non-AC, and Deluxe AC, with Deluxe AC selected), number of days (input field containing '5'), additional services (checkboxes for Television, Bath Tub, Spa, Mini Fridge, Breakfast, Lunch, Snacks, and Dinner, with all checked except Bath Tub), and meal prebooking (checkboxes for Breakfast, Lunch, Snacks, and Dinner, with all checked). A note at the bottom states: 'EXTRA SNACKS, SPECIAL MEALS, BEAUTY AND HYGIENE PRODUCTS CAN BE ORDERED FROM THE MAIN MENU ANY TIME.' There are 'Back' and 'SUBMIT' buttons at the bottom.

HOTEL PARADISE STAR

Please Select Your Preferences

--ROOM PREFERENCE:

STANDARD NON-AC STANDARD AC DELUXE NON-AC DELUX AC

--NO. OF DAYS:

--ADDITIONAL SERVICE:

TELEVISION BATH TUB SPA MINI FRIDGE

--DO YOU WANT TO PREBOOK YOUR MEALS? IF YES: PLEASE SELECT:

BREAKFAST LUNCH SNACKS DINNER

EXTRA SNACKS, SPECIAL MEALS, BEAUTY AND HYGIENE PRODUCTS CAN BE ORDERED FROM THE MAIN MENU ANY TIME.

BACK **SUBMIT**

USE THE BACK BUTTON TO RETURN TO MAIN MENU.

Enter the NAME, PHONE, GENDER, ADDRESS and PAYMENT MODE of the guest and click “SUBMIT TO PARADISE STAR”. A room will be booked for you.

HOTEL PARADISE STAR

CUSTOMER DETAILS

Name	Nisha
Phone	123456789
Gender	Female
Address	XYZ
Payment	<input type="radio"/> CASH <input checked="" type="radio"/> NET BANKING <input type="radio"/> CREDIT CARD <input type="radio"/> UPI

Submit to ParadiseStar



YOU WILL BE AUTOMATICALLY REDIRECTED TO THE MAIN MENU.

GUEST LIST AND INFO:

- ✓ **Open Guest List:** Details of the guests and their preferences are displayed.
- ✓ **Get Info:** Enter the name/room no. / phone no./ gender/ address/ payment mode and click on “GET INFO” to get the information of all the guests who satisfy the criteria.
- ✓ **Update:** Enter the name/room no. / phone no./ gender/ address/ payment mode and click on “Update” to update guest details.
- ✓ **Delete:** Enter the name/room no. / phone no./ gender/ address/ payment mode and click on “Delete” to delete a guest’s information.
- ✓ **Open Hotel Customer Records:** Shows the details of currently checked-in guests as well as previously checked-out guests along with the ratings given.
- ✓ **USE THE BACK BUTTON TO RETURN TO MAIN MENU.**

HOTEL PARADISE STAR

Guest List and Info

Name	Type Here	Gender	Type Here	GET INFO
Room No.	0	Address	Type Here	UPDATE
Phone	0	Payment	Type Here	DELETE

Sr. No. [GuestName:Room No.:Phone,Gender: Address:Payment Mode:]
[Accomodation:Additional Services:Food Services>No. of Days]
Guest1: ['Nisha', 328, '123456789', 'Female', 'XYZ', 'Net Banking']
['2000', 1200, 445, 5]

Back

Open Hotel Customer Records:

OPEN GUEST LIST

HOTEL PARADISE STAR

-----HOTEL GUEST RECORDS-----

--
GUEST LIST
Sr. No. [GuestName:Room No.:Phone,Gender: Address:Payment Mode:]
Guest1: ['Nisha', 521, 987654321, 'Female', 'XYZ', 'Cash']
GUEST PREFERENCES
[Accomodation:Additional Services:Food Services>No. of Days]
Guest1: ['2000', 1200, 445, 5]
CHECKED OUT GUEST LIST
Sr. No. [GuestName:Room No.:Phone,Gender: Address:Payment Mode:]
CHECKED OUT GUEST RATING
Sr. No. [Rating:Services:Cleanliness:Price:Quality Of Food:Our Amenities]

Back

PURCHASE ITEMS:

- ✓ **Customer's name:** Write the customer's name.
- ✓ **Bill No:** Bill number will automatically generate.
- ✓ **Using the 'Purchase Menu':** one can order snack items, extra meals or beauty and hygiene products. Users can write the quantity in front of the box provided.
- ✓ **Bill Preview:** A customer's total bill will appear after clicking "Total Bill" button". "Clear field" will erase the bill.

CLICK ON "EXIT" TO PROCEED FURTHER.

USE THE BACK BUTTON TO RETURN TO MAIN MENU.

The screenshot shows the 'Billing System' application window. At the top, there are input fields for 'Customer Name' (Nisha), 'Contact No.' (123456789), and 'Bill.No.' (5423). Below these are four main categories: 'Snacks', 'Main_Course', 'Beauty & Hygine', and 'Bill Preview'. The 'Snacks' section contains items like Nutella Choco Spread, Noodles(1 Pack), Lays(10Rs), Oreo(20Rs), Chocolate Muffin, Dairy Milk Silk(60Rs), and Namkeen(15Rs). The 'Main_Course' section includes Veg. Biriyani(Rs.110), Shahi Paneer(Rs.270), Tandoori Roti(Rs.25), Daal(Rs.170), Veg. Thali(Rs.250), Chocolate Ice Cream(Rs.60), and Milk Shake(Rs.75). The 'Beauty & Hygine' section lists Bathing Soap, Shampoo(1ltr), Body Lotion(1ltr), Face Cream, Shaving Foam, Face Mask(1piece), and Hand Sanitizer(50ml). The 'Bill Preview' section displays a welcome message, bill details (Bill no. : 5423, Customer Name : Nisha, Phone No. :), a product summary table, and tax information (Total Snacks Tax : 8.0 Rs, Total Main Course Tax : 3.4 Rs). At the bottom, there are buttons for 'Total Bill', 'Clear Field', and 'Exit'.

Product	Qty	Price
Nutella	1	120
Noodles	1	40
Daal	2	340
Cream	1	130
Sanitizer	1	20

CHECK OUT:

The final bill appears on the screen followed by a feedback form. Write the customer's name in the box provided.

- ✓ **Go:** The "Go" button will display the total bill of the respective person.
- ✓ **Make payment:** The customer can now make payment through the selected mode and checkout.
- ✓ **USE THE BACK BUTTON TO RETURN TO MAIN MENU.**

HOTEL PARADISE STAR

PAYMENT: Customer Name:

Accommodation: 2000

Food Services: 1200

Additional Services: 445

No. Of Days: 5

Total Bill Amount: 18225

--Other utility bills have been cleared already.

RATING:

Customers can guide the management for their improvements through rating. By clicking the appropriate remark for the given services.

SUBMIT: Click “Submit” to submit your feedback and checkout.

USE THE BACK BUTTON TO RETURN TO MAIN MENU.

The screenshot shows a rating form titled "Rate Us" with a decorative border. At the top, there's a message: "Please rate your experience at our Hotel. This will help us to better ourselves with your guidance. Thank You!" Below this, there are five sections for rating different aspects: Services, Cleanliness, Price, Quality of Food, and Our Amenities. Each section has four radio button options: Needs Improvement, Good, Very Good, Excellent, and Outstanding. In the "Services" section, "Outstanding" is selected. In the other sections, "Excellent" is selected. At the bottom, there's a "Customer Name:" field containing "Nisha", a "GO" button, and a "Submit" button. A "Back" button is also present at the bottom left.

Services :	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input type="radio"/> Excellent	<input checked="" type="radio"/> Outstanding
Cleanliness :	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
Price :	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
Quality of Food :	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
Our Amenities :	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input type="radio"/> Excellent	<input checked="" type="radio"/> Outstanding

ABOUT US:

GET TO KNOW MORE ABOUT US

USE THE BACK BUTTON TO RETURN TO MAIN MENU.

The screenshot shows a mobile browser window with a white header bar containing a logo and the text "HOTEL PARADISE STAR". The main content area has a light gray background. At the top, there is a large, bold, black header "HOTEL PARADISE STAR!". Below it, a paragraph of text describes the hotel's offerings. Further down, two names are listed, likely representing the creators. A "SPECIAL THANKS TO:" section follows, and at the bottom left, there is a "Back" button.

HOTEL PARADISE STAR!

PARADISE STAR WORLDWIDE offers a warm and friendly stay no matter where you travel around the world. Our guest enjoys high speed wireless internet access, cozy beds for a relaxed and restful stay, and a variety of hotel choices to match every trip; from a family vacation or weekend getaway, to a full-scale conference or wedding. We are committed to creating caring experiences for every person, every time, and strive to make our guests feel truly refreshed and restored during their visit.

ADITI MITTAL (ROLL NO.03/XII)
NISHA GAWADE (ROLL NO.11/XII)

SPECIAL THANKS TO:
SONA MAM

Back

MAIN3.py

```
from tkinter import *
from PREFERENCES3 import preferencefn2
from PAYMENT3 import paymentfn2
from ABOUT3 import aboutfn2
from GUEST_INFO3 import guestinfofn2
from PURCHASE3 import purchasefn2
root=Tk()
root.title('HOTEL PARADISE STAR')
root.geometry('700x400+270+140')
root.maxsize(700,400)
root.minsize(700,400)
def preferencefn1():
    preferencefn2()
def guestinfofn1 ():
    guestinfofn2()
def paymentfn1 ():
    paymentfn2()
def aboutfn1 ():
    aboutfn2()
def purchasefn1():
    purchasefn2()
f0=Frame(root)
```

```
f0.place(height=300, width =900)

Label(f0, text='WELCOME TO PARADISE STAR ',font='Helvetica 27
italic').place(y=0 , x=86 )

booking=Button(root,text=' BOOKING ', font='comicsansms 20
italic',command=preferencefxn1)

booking.place(y=70,x=250)

guest_list=Button(root,text=' GUEST INFO ', font='comicsansms 20
italic',command=guestinfofxn1)

guest_list.place(x=250, y=130)

rate=Button(root,text=' CHECK OUT ', font='comicsansms 20
italic',command=paymentfxn1)

rate.place(x=250,y=190)

about=Button(root,text=' ABOUT US ', font='comicsansms 20
italic',command=aboutfxn1)

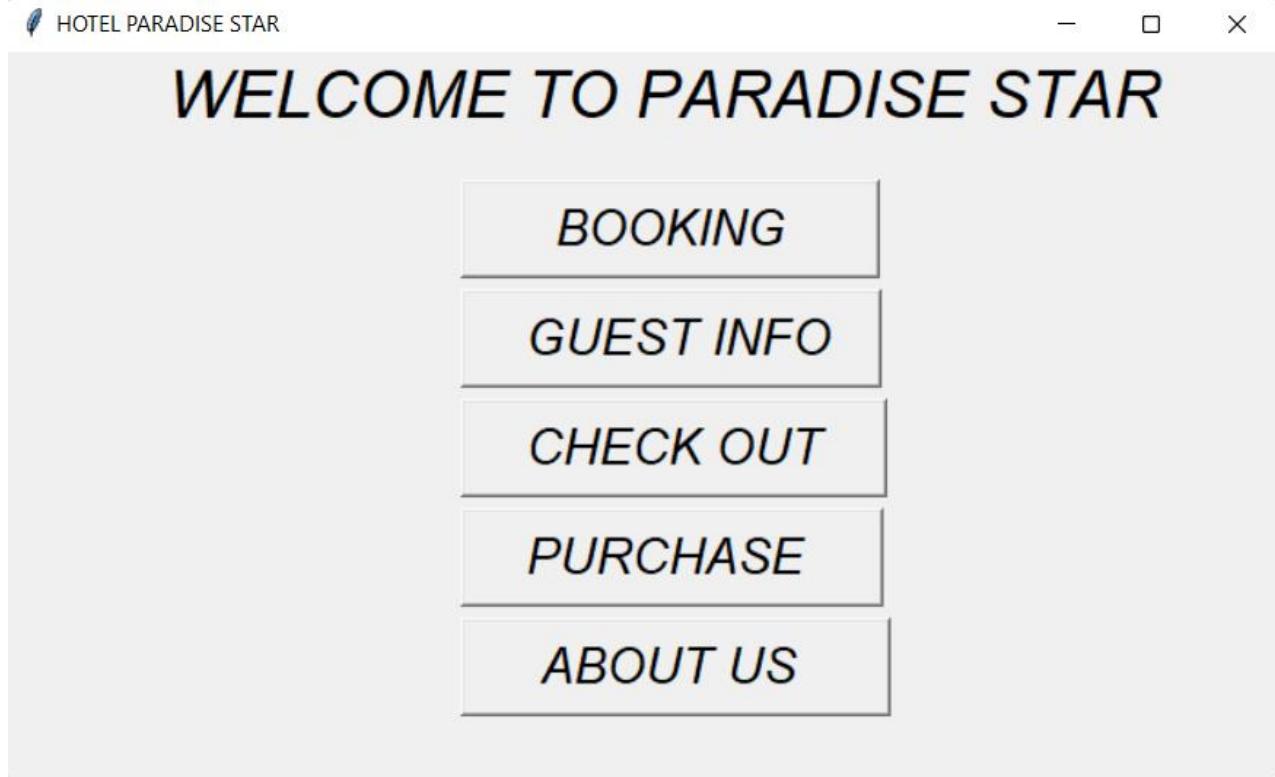
about.place(x=250,y=310)

purchase=Button(root,text=' PURCHASE ', font='comicsansms 20
italic',command=purchasefxn1)

purchase.place(x=250,y=250)

root.mainloop()
```

MAIN MENU: GUI WINDOW:



PREFERENCES3.py

```
from tkinter import *
from BOOKING3 import bookingfxn2
import pickle
try:
    f = open("pref.dat","rb")
    list2=pickle.load(f)
    f.close()
except FileNotFoundError:
    list2=[]
def preferencefxn2():
    win=Tk()
    def back1():
        win.destroy()
    def bookingfxn1():
        list1=[var1.get(),(var20.get())+var21.get()+var22.get()+var23.get(),(var30.get())+var31.get()+var32.get()+var33.get(),daysvalue.get()]
        list2.append(list1)
        print(list2)
        with open("pref.dat",'wb') as fp:
            pickle.dump(list2,fp)
        win.destroy()
    bookingfxn2()
```

```
win.title('HOTEL PARADISE STAR')

win.geometry('700x400+270+140')

win.maxsize(700,400)

win.minsize(700,400)

Label(win,text='Please Select Your Preferences',font='Helvetica
',borderwidth=3,relief=RAISED).place(x=0,y=20,width=700)

Label(win,text='--ROOM PREFERENCE:',font='Helvetica 13 ').place(x=10,y=70)

var1=StringVar(win)

var1.set('0')

radio1=Radiobutton(win,text="STANDARD NON-AC", variable=var1,
value='900',tristatevalue='x').place(x=0,y=100)

radio1=Radiobutton(win,text="STANDARD AC", variable=var1,
value='1200',tristatevalue='x').place(x=180,y=100)

radio1=Radiobutton(win,text="DELUXE NON-AC", variable=var1,
value='1500',tristatevalue='x').place(x=360,y=100)

radio1=Radiobutton(win,text="DELUX AC", variable=var1,
value='2000',tristatevalue='x').place(x=540,y=100)

days=Label(win,text='--NO. OF DAYS:',font='Helvetica 13 ').place(x=10,y=128)

daysvalue=IntVar(win)

daysentry = Entry(win, textvariable = daysvalue,font='Helvetica
14',borderwidth=3,relief=RAISED)

daysentry.place(y=125, x=150,width=33)

Label(win,text='--ADDITIONAL SERVICE:',font='Helvetica 13
').place(x=10,y=163)
```

```
var20=IntVar(win)
var21=IntVar(win)
var22=IntVar(win)
var23=IntVar(win)

a=Checkbutton(win,text="TELEVISION", variable=var20,
onvalue=400,offvalue=0)
a.place(x=0,y=193)

b=Checkbutton(win,text="BATH TUB", variable=var21,
onvalue=200,offvalue=0)
b.place(x=180,y=193)

c=Checkbutton(win,text="SPA", variable=var22, onvalue=300,offvalue=0)
c.place(x=360,y=193)

d=Checkbutton(win,text="MINI FRIDGE", variable=var23,
onvalue=500,offvalue=0)
d.place(x=540,y=193)
```

Label(win,text='--DO YOU WANT TO PREBOOK YOUR MEALS?IF YES:PLEASE
SELECT:',font='Helvetica 13 ').place(x=10,y=223)

```
var30=IntVar(win)
var31=IntVar(win)
var32=IntVar(win)
var33=IntVar(win)

c1=Checkbutton(win,text="BREAKFAST", variable=var30,
onvalue=100,offvalue=0)
c1.place(x=0,y=247)
```

```
c2=Checkbutton(win,text="LUNCH", variable=var31, onvalue=120,offvalue=0)
c2.place(x=180,y=247)

c3=Checkbutton(win,text="SNACKS", variable=var32, onvalue=50,offvalue=0)
c3.place(x=360,y=247)

c4=Checkbutton(win,text="DINNER", variable=var33,
onvalue=175,offvalue=0)
c4.place(x=540,y=247)
```

```
s=Label(win,text='EXTRA SNACKS,SPECIAL MEALS,BEAUTY AND HYGIENE
PRODUCTS CAN BE \nORDERED FROM THE MAIN MENU ANY
TIME.',font='Helvetica 13')
```

```
s.place(x=20,y=290)

Button(win,text=' SUBMIT ',command=bookingfxn1,font='Helvetica
12').place(x=280,y=340)
```

```
Button(win,text='Back',font='comicsansms
12',command=back1).place(x=3,y=362)
```

```
win.mainloop()
```

PREFERENCES GUI WINDOW:

SELECTING CUSTOMER PREFRNCES:

HOTEL PARADISE STAR

Please Select Your Preferences

--ROOM PREFERENCE:

STANDARD NON-AC STANDARD AC DELUXE NON-AC DELUX AC

--NO. OF DAYS:

--ADDITIONAL SERVICE:

TELEVISION BATH TUB SPA MINI FRIDGE

--DO YOU WANT TO PREBOOK YOUR MEALS?IF YES:PLEASE SELECT:

BREAKFAST LUNCH SNACKS DINNER

EXTRA SNACKS,SPECIAL MEALS,BEAUTY AND HYGIENE PRODUCTS CAN BE ORDERED FROM THE MAIN MENU ANY TIME.

BOOKING 3.py

```
from tkinter import *
from tkinter import messagebox
import random
import pickle

try:
    f = open("records.dat","rb")
    list2=pickle.load(f)
    f.close()
except FileNotFoundError:
    list2=[]

def bookingfxn2():
    root3 = Tk()
    root3.geometry('700x400+270+140')
    root3.minsize(700,400)
    root3.title('HOTEL PARADISE STAR')

def getvals():
    room_num=random.randint(100,800)
    room_id=room_num
    messagebox.askokcancel('Room number',f'Congratulations\n You have successfully booked a room in our Paradise.\nYour room no. is {room_num}\n')
```

```
list1=[namevalue.get(),room_id,phonevalue.get(),gendervalue.get(),emergency  
value.get(),paymentvalue.get()]  
  
list2.append(list1)  
  
print(list2)  
  
with open('records.dat', 'wb') as fp:  
  
    pickle.dump(list2, fp)  
  
root3.destroy()  
  
#Heading  
  
Label(root3, text="CUSTOMER DETAILS", font="comicsansms 20 italic")  
.place(x=200,y=20)  
  
  
  
#Making labels  
  
name = Label(root3, text=" Name ",font='Helvetica 18  
italic',borderwidth=3,relief=RAISED)  
  
phone = Label(root3, text=" Phone ",font='Helvetica 18  
italic',borderwidth=3,relief=RAISED)  
  
gender = Label(root3, text=" Gender ",font='Helvetica 18  
italic',borderwidth=3,relief=RAISED)  
  
contact = Label(root3, text=" Address ",font='Helvetica 18  
italic',borderwidth=3,relief=RAISED)  
  
payment = Label(root3, text=" Payment ",font='Helvetica 18  
italic',borderwidth=3,relief=RAISED)  
  
  
  
#Pack text  
  
name.place(x=100,y=60)
```

```
phone.place(x=100,y=110)
gender.place(x=100,y=160)
contact.place(x=100,y=210)
payment.place(x=100,y=260)
```

```
# Tkinter variable for storing entries
```

```
namevalue = StringVar(root3)
phonevalue = StringVar(root3)
gendervalue = StringVar(root3)
emergencyvalue = StringVar(root3)
paymentvalue = StringVar(root3)
paymentvalue.set(0)
```

```
Radiobutton(root3,text="CASH", variable=paymentvalue,
value='Cash',tristatevalue='x').place(x=293,y=268)
```

```
Radiobutton(root3,text="NET BANKING", variable=paymentvalue, value='Net
Banking',tristatevalue='x').place(x=350,y=268)
```

```
Radiobutton(root3,text="CREDIT CARD", variable=paymentvalue,
value='Credit Cash',tristatevalue='x').place(x=453,y=268)
```

```
Radiobutton(root3,text="UPI", variable=paymentvalue,
value='UPI',tristatevalue='x').place(x=550,y=268)
```

```
#Entries for our form
```

```
nameentry = Entry(root3, textvariable = namevalue , font='Helvetica 18
italic',borderwidth=3,relief=RAISED)
```

```
phoneentry = Entry(root3, textvariable=phonevalue,font='Helvetica 18
italic',borderwidth=3,relief=RAISED)
```

```
genderentry = Entry(root3, textvariable=gendervalue,font='Helvetica 18 italic',borderwidth=3,relief=RAISED)

emergencyentry = Entry(root3, textvariable=emergencyvalue,font='Helvetica 18 italic',borderwidth=3,relief=RAISED)

# Packing the Entries

nameentry.place(x=300,y=60)

phoneentry.place(x=300,y=110)

genderentry.place(x=300,y=160)

emergencyentry.place(x=300,y=210)

#Button & packing it and assigning it a command

b=Button(root3,text="Submit to ParadiseStar",
command=getvals,font='Helvetica 18 italic',borderwidth=3,relief=RAISED)

b.place(x=200,y=310)

# Button(root3,text='Back',font='comicsansms
12',command=back2).place(x=3,y=362)

root3.mainloop()
```

BOOKING GUI WINDOW:

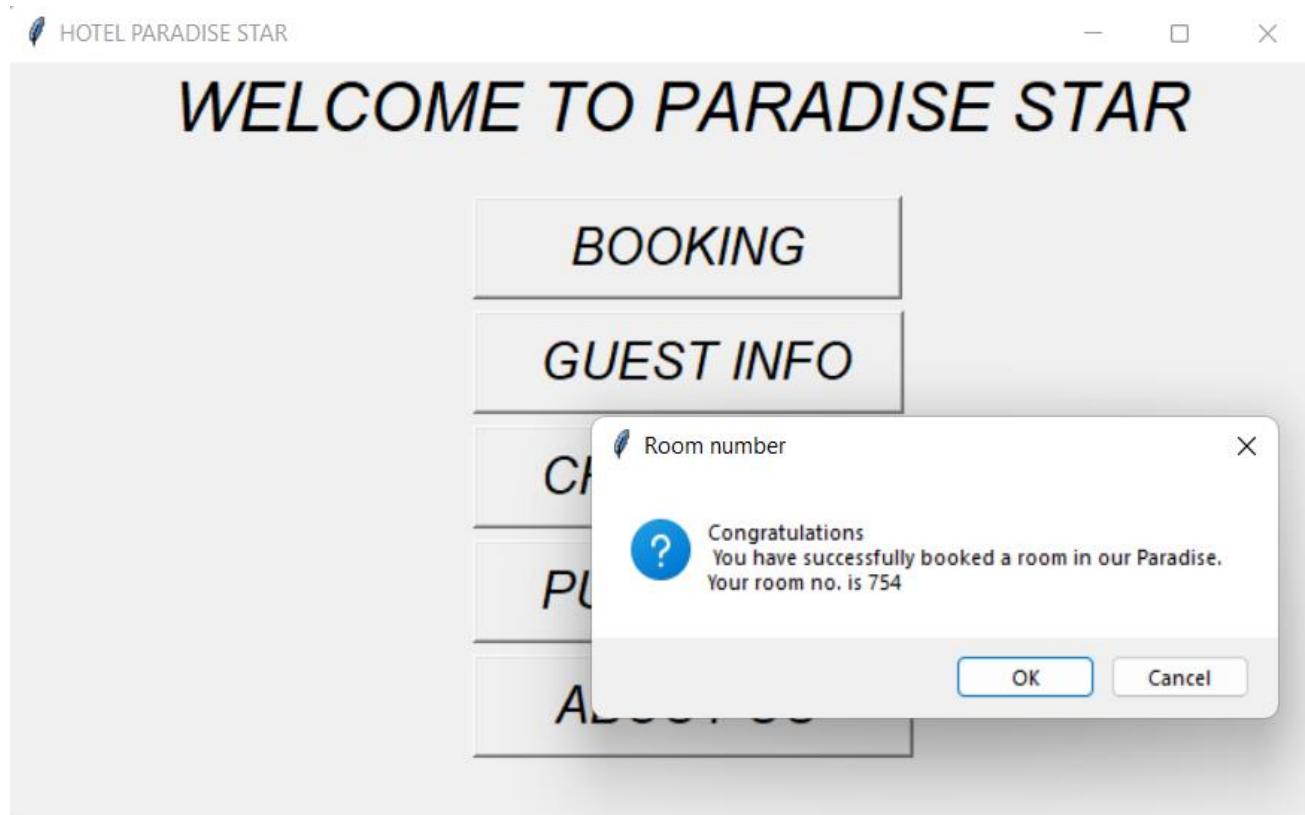
ENTERING GUEST NAME:

The screenshot shows a window titled "HOTEL PARADISE STAR" with a "CUSTOMER DETAILS" header. The form contains five input fields: Name (Nisha), Phone (123456789), Gender (Female), Address (XYZ), and Payment (radio buttons for CASH, NET BANKING, CREDIT CARD, and UPI, with NET BANKING selected). A "Submit to ParadiseStar" button is at the bottom.

CUSTOMER DETAILS	
Name	Nisha
Phone	123456789
Gender	Female
Address	XYZ
Payment	<input type="radio"/> CASH <input checked="" type="radio"/> NET BANKING <input type="radio"/> CREDIT CARD <input type="radio"/> UPI
<i>Submit to ParadiseStar</i>	

ROOM SUCCESSFULLY BOOKED:

ROOM NO. ALLOCATED



GUEST INFO3.py

```
from tkinter import *
from INFO3 import info
import pickle

def guestinfofn2():

    root3 = Tk()

    root3.geometry('700x400+270+140')
    root3.maxsize(700,400)
    root3.minsize(700,400)
    root3.title('HOTEL PARADISE STAR')

    def back3():

        root3.destroy()

        Label(root3,text='Guest List and Info',font='Helvetica 18 italic',borderwidth=3,relief=RAISED).place(x=0,y=20,width='700')

        name = Label(root3, text=" Name ",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

        room_id = Label(root3, text=" Room No.",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

        phone = Label(root3, text=" Phone ",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

        gender = Label(root3, text=" Gender ",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

        contact = Label(root3, text=" Address ",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

        payment = Label(root3, text=" Payment ",font='Helvetica 12 italic',borderwidth=3,relief=RAISED)
```

```
#Pack text

name.place(x=10,y=70)

room_id.place(x=10,y=100)

phone.place(x=10,y=130)

gender.place(x=300,y=70)

contact.place(x=300,y=100)

payment.place(x=300,y=130)

# Tkinter variable for storing entries

namevalue = StringVar(root3)

namevalue.set('Type Here')

phonevalue = IntVar(root3)

phonevalue.set(0)

gendervalue = StringVar(root3)

gendervalue.set('Type Here')

emergencyvalue = StringVar(root3)

emergencyvalue.set('Type Here')

paymentvalue = StringVar(root3)

paymentvalue.set('Type Here')

room_idvalue=IntVar(root3)

room_idvalue.set(0)

#Entries for our form
```

```
nameentry = Entry(root3, textvariable = namevalue , font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

room_identry=Entry(root3, textvariable=room_idvalue ,font='Helvetica 12 italic',borderwidth=3,relief=RAISED)

phoneentry = Entry(root3, textvariable=phonevalue,font='Helvetica 12 italic', borderwidth=3,relief=RAISED)

genderentry = Entry(root3, textvariable=gendervalue,font='Helvetica 12 italic', borderwidth=3,relief=RAISED)

emergencyentry = Entry(root3, textvariable=emergencyvalue,font='Helvetica 12 italic', borderwidth=3,relief=RAISED)

paymententry = Entry(root3, textvariable=paymentvalue, font='Helvetica 12 italic',borderwidth=3,relief=RAISED)
```

Packing the Entries

```
nameentry.place(x=100,y=70)

room_identry.place(x=100,y=100)

phoneentry.place(x=100,y=130)

genderentry.place(x=400,y=70)

emergencyentry.place(x=400,y=100)

paymententry.place(x=400,y=130)
```

#Opening database

```
try:
```

```
    with open ('records.dat', 'rb') as fp:
        fp.seek(0)
```

```
details = pickle.load(fp)

except FileNotFoundError:
    details=[]

for i in range (len(details)):
    print (details[i])

try:
    with open('pref.dat','rb') as fp:
        fp.seek(0)
        pref=pickle.load(fp)

except FileNotFoundError:
    pref=[]

for j in range (len(pref)):
    print(pref[j])



scrollbar = Scrollbar(root3,orient=VERTICAL)
scrollbar.pack(side=RIGHT,fill=Y)

w = Text(root3,yscrollcommand=scrollbar.set)
w.place(x=5,y=170,width=670,height=190)
scrollbar.config(command=w.yview)
```

```
w.insert(INSERT,f'Sr. No. [GuestName:Room No.:Phone,Gender:  
Address:Payment Mode:]\\n [Accomodation:Additional Services:Food  
Services:No.of Days]\\n')
```

```
for i in range(len(details)):
```

```
w.insert(INSERT,f'Guest{i+1}: {details[i]}\\n {pref[i]}\\n')
```

```
def read():
```

```
w.delete("1.0", "end")
```

```
for i in range (len(details)):
```

```
if namevalue.get()==details[i][0]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
elif room_idvalue.get()==details[i][1]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
elif phonevalue.get()==details[i][2]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
elif gendervalue.get()==details[i][3]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
elif emergencyvalue.get()==details[i][4]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
elif paymentvalue.get()==details[i][5]:
```

```
w.insert(INSERT,f'Guest Details={details[i]}\\n')
```

```
def update():
```

```
w.delete("1.0", "end")
```

```
for i in range (len(details)):

    if namevalue.get()==details[i][0]:

        l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]

        details[i]=l

        w.insert(INSERT,f'Customer details successfully updated!')


    elif room_idvalue.get()==details[i][1]:

        l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]

        details[i]=l

        w.insert(INSERT,f'Customer details successfully updated!\n')

    elif phonevalue.get()==details[i][2]:

        l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]

        details[i]=l

        w.insert(INSERT,f'Customer details successfully updated!\n')

    elif gendervalue.get()==details[i][3]:

        l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]

        details[i]=l

        w.insert(INSERT,f'Customer details successfully updated!\n')

    elif emergencyvalue.get()==details[i][4]:

        l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]
```

```
details[i]=

w.insert(INSERT,f'Customer details successfully updated!\n')

elif paymentvalue.get()==details[i][5]:

    l=[namevalue.get(),room_idvalue.get(),
phonevalue.get(),gendervalue.get(),emergencyvalue.get(), paymentvalue.get()]

details[i]=

w.insert(INSERT,f'Customer details successfully updated!\n')

with open ('records.dat', 'wb') as fp:

    #fp.seek(0)

    pickle.dump(details, fp)

    fp.close()

def delete():

    w.delete("1.0", "end")

    for i in range (len(details)):

        try:

            if namevalue.get()==details[i][0]:

                del details[i]

    del pref[i]

    w.insert(INSERT,f'Customer Details successfully deleted!')

    elif room_idvalue.get()==details[i][1]:

        del details[i]

    del pref[i]
```

```
w.insert(INSERT,f'Customer Details successfully deleted!')  
  
elif phonevalue.get()==details[i][2]:  
  
    del details[i]  
  
del pref[i]  
  
    w.insert(INSERT,f'Customer Details successfully deleted!')  
  
elif gendervalue.get()==details[i][3]:  
  
    del details[i]  
  
del pref[i]  
  
    w.insert(INSERT,f'Customer Details successfully deleted!')  
  
elif emergencyvalue.get()==details[i][4]:  
  
    del details[i]  
  
del pref[i]  
  
    w.insert(INSERT,f'Customer Details successfully deleted!')  
  
elif paymentvalue.get()==details[i][5]:  
  
    del details[i]  
  
del pref[i]  
  
    w.insert(INSERT,f'Customer Details successfully deleted!')  
  
except IndexError:  
  
    pass  
  
with open ('records.dat', 'wb') as fp:  
  
    pickle.dump(details, fp)  
  
with open ('pref.dat', 'wb') as fp:  
  
    pickle.dump(pref, fp)
```

```
def openlist():

    w.delete("1.0", "end")

    w.insert(INSERT,f'Sr. No.      [GuestName:Room No.:Phone:Gender:
Address:Payment Mode:]\n          [Accomodation:Additional Services:Food
Services:No.of Days]\n')

try:

    for i in range(len(pref)):

        w.insert(INSERT,f'Guest{i+1}:      {details[i]}\n            {pref[i]}\n')

except IndexError:

    pass


def infofxn():

    root3.destroy()

    info()

a=Button(root3,text="GET INFO", command=read,bg='yellow',font='Helvetica
9 italic',borderwidth=3,relief=RAISED)

a.place(x=600,y=70)

b=Button(root3,text=" UPDATE ",
command=update,bg='yellow',font='Helvetica 9
italic',borderwidth=3,relief=RAISED)

b.place(x=600,y=100)

c=Button(root3,text=" DELETE ",
command=delete,bg='yellow',font='Helvetica 9
italic',borderwidth=3,relief=RAISED)
```

```
c.place(x=600,y=130)

d=Button(root3,text="OPEN GUEST
LIST",command=openlist,bg='yellow',font='Helvetica 9
italic',borderwidth=3,relief=RAISED)

d.place(x=560,y=368)

Button(root3,text='Back',font='comicsansms
12',command=back3).place(x=7,y=365)

Button(root3,text='Open Hotel Customer Records:',font='comicsansms
12',command=infofxn).place(x=80,y=365)

root3.mainloop()
```

GUEST INFO: GUI WINDOW:

Guest information:

The screenshot shows a window titled "HOTEL PARADISE STAR" with a sub-section titled "Guest List and Info". The window contains input fields for Name, Room No., Phone, Gender, Address, Payment, and three yellow buttons labeled "GET INFO", "UPDATE", and "DELETE". Below the input fields, there is a text area displaying guest details: "Sr. No. [GuestName:Room No.:Phone,Gender: Address:Payment Mode:] [Accommodation:Additional Services:Food Services>No. of Days] Guest1: ['Nisha', 328, '123456789', 'Female', 'XYZ', 'Net Banking'] ['2000', 1200, 445, 5]". At the bottom, there are buttons for "Back", "Open Hotel Customer Records:", and "OPEN GUEST LIST".

- 1) Reading a particular guest details using: “Get Info”

The screenshot shows the same window as before, but with the "Name" field populated with "Nisha". The yellow "GET INFO" button is highlighted. In the text area below, it displays "Guest Details=['Nisha', 328, '123456789', 'Female', 'XYZ', 'Net Banking']". The bottom buttons are "Back", "Open Hotel Customer Records:", and "OPEN GUEST LIST".

2) Updating Guest Info: Using “Update”

HOTEL PARADISE STAR

Guest List and Info

Name	Nisha	Gender	Type Here	GET INFO
Room No.	521	Address	Type Here	UPDATE
Phone	987654321	Payment	Type Here	DELETE

Sr. No. [GuestName:Room No.:Phone,Gender: Address:Payment Mode:]
[Accommodation:Additional Services:Food Services>No. of Days]
Guest1: ['Nisha', 521, 987654321, 'Female', 'XYZ', 'Cash']
['2000', 1200, 445, 5]

Back Open Hotel Customer Records: OPEN GUEST LIST

Details Updated Successfully:

HOTEL PARADISE STAR

Guest List and Info

Name	Nisha	Gender	Female	GET INFO
Room No.	521	Address	XYZ	UPDATE
Phone	987654321	Payment	Cash	DELETE

Customer details successfully updated!

Back Open Hotel Customer Records: OPEN GUEST LIST

INFO3.py

```
from tkinter import *
import pickle

def info():
    root5=Tk()

    root5.geometry('700x400+270+140')
    root5.maxsize(700,400)
    root5.minsize(700,400)
    root5.title('HOTEL PARADISE STAR')

def back6():
    root5.destroy()

    # import MAIN3

    scrollbar = Scrollbar(root5,orient=VERTICAL)
    scrollbar.pack(side=RIGHT,fill=Y)

    w = Text(root5,yscrollcommand=scrollbar.set)
    w.place(x=15,y=5,width=670,height=357)

    scrollbar.config(command=w.yview)

    w.insert(INSERT,f'-----HOTEL GUEST RECORDS-----\n')

try:
    with open ('records.dat', 'rb') as fp:
        fp.seek(0)
        details = pickle.load(fp)
        # fp.close()
```

```
except FileNotFoundError:  
    details=[]  
  
try:  
    with open('pref.dat','rb') as fp:  
        fp.seek(0)  
        pref=pickle.load(fp)  
  
except FileNotFoundError:  
    pref=[]  
  
try:  
    with open('check_out.dat','rb') as fp:  
        fp.seek(0)  
        check_out=pickle.load(fp)  
  
except FileNotFoundError:  
    check_out=[]  
  
try:  
    with open('rating.dat','rb') as fp:  
        fp.seek(0)  
        rating=pickle.load(fp)  
  
except FileNotFoundError:  
    rating=[]  
  
w.insert(INSERT,f'GUEST LIST\n')  
  
w.insert(INSERT,f'Sr. No.      [GuestName:Room No.:Phone,Gender:  
Address:Payment Mode:]\\n')  
  
try:
```

```
for i in range(len(details)):  
    w.insert(INSERT,f'Guest{i+1}: {details[i]}\n')  
  
except IndexError:  
  
    pass  
  
w.insert(INSERT,f'GUEST PREFERENCES\n')  
  
w.insert(INSERT,f' [Accomodation:Additional Services:Food  
Services:No.of Days]\n')  
  
try:  
  
    for i in range(len(pref)):  
  
        w.insert(INSERT,f'Guest{i+1}: {pref[i]}\n')  
  
    except IndexError:  
  
        pass  
  
w.insert(INSERT,f'CHECKED OUT GUEST LIST\n')  
  
w.insert(INSERT,f'Sr. No. [GuestName:Room No.:Phone,Gender:  
Address:Payment Mode:]\n')  
  
try:  
  
    for i in range(len(check_out)):  
  
        w.insert(INSERT,f'Guest{i+1}: {check_out[i]}\n')  
  
    except IndexError:  
  
        pass  
  
w.insert(INSERT,f'CHECKED OUT GUEST RATING\n')  
  
w.insert(INSERT,f'Sr. No. [Rating:Services:Cleanliness:Price:Quality Of  
Food:Our Amenities]\n')  
  
try:  
  
    for i in range(len(rating)):
```

```
w.insert(INSERT,f'Guest{i+1}: {rating[i]}\n')

except IndexError:

    pass

    Button(root5,text='Back',font='comicsansms
12',command=back6).place(x=14,y=365)

root5.mainloop()
```

PAYMENT3.py

```
from tkinter import *

from RATING3 import ratefxn2

import pickle

def paymentfxn2():

    self=Tk()

    self.geometry('700x400+270+140')

    self.maxsize(700,400)

    self.minsize(700,400)

    self.title('HOTEL PARADISE STAR')

    def back5():

        self.destroy()

    def ratefxn1():

        self.destroy()

        ratefxn2()

        Label(self, text="PAYMENT:", font="comicsansms 19 underline"
).place(x=50,y=13)

        Label(self, text="Accomodation:", font="comicsansms 20 italic"
).place(x=50,y=50)
```

```
Label(self, text="Food Services:", font="comicsansms 20 italic"
).place(x=50,y=100)

Label(self, text="Additional Services:", font="comicsansms 20 italic"
).place(x=50,y=150)

Label(self, text="No. Of Days:", font="comicsansms 20 italic"
).place(x=50,y=200)

Label(self, text="--Other utility bills have been cleared already.",
font="comicsansms 12 italic" ).place(x=50,y=300)

Label(self, text="Total Bill Amount:", font="comicsansms 20 italic"
).place(x=50,y=250)

try:

    with open('pref.dat','rb') as fp:

        fp.seek(0)

        prefer = pickle.load(fp)

except FileNotFoundError:

    prefer=[]

id=Label(self,text="Customer Name:",font="comicsansms 16 underline" )

id.place(x= 209,y=13)

idvalue=StringVar(self)

identry=Entry(self, textvariable=idvalue,font='Helvetica 18
italic',borderwidth=3,relief=RAISED)

identry.place(x=380,y=13,width=250)

def search():

    with open('records.dat','rb') as fp:
```

```
fp.seek(0)

details = pickle.load(fp)

for i in range (len(prefer)):

    if idvalue.get()==details[i][0]:


total=(int(prefer[i][0])+int(prefer[i][1])+int(prefer[i][2]))*int(prefer[i][3])

        Label(self, text=prefer[i][0], font="comicsansms 20 italic"
).place(x=350,y=50)

        Label(self, text=prefer[i][1], font="comicsansms 20 italic"
).place(x=350,y=100)

        Label(self, text=prefer[i][2], font="comicsansms 20 italic"
).place(x=350,y=150)

        Label(self, text=prefer[i][3], font="comicsansms 20 italic"
).place(x=350,y=200)

        Label(self, text=total, font="comicsansms 20 italic"
).place(x=350,y=250)

        Button(self,text="GO", command=search,font='Helvetica 12
italic',borderwidth=3,relief=RAISED).place(x=640,y=13)

        b=Button(self,text="Make Payment", command=ratefxn1,font='Helvetica 18
italic',borderwidth=3,relief=RAISED)

        b.place(x=450,y=286)

        Button(self,text='Back',font='comicsansms
12',command=back5).place(x=3,y=362)

        self.mainloop()
```

INFO: GUI WINDOW



Payment: GUI Window

HOTEL PARADISE STAR

PAYMENT: Customer Name:

Accomodation: 2000

Food Services: 1200

Additional Services: 445

No. Of Days: 5

Total Bill Amount: 18225

--Other utility bills have been cleared already.

RATING3.py

```
from tkinter import *
from tkinter import messagebox
import pickle
try:
    f = open("rating.dat","rb")
    list2=pickle.load(f)
    f.close()
except FileNotFoundError:
    list2=[]

try:
    f = open("checkout.dat","rb")
    list4=pickle.load(f)
    f.close()
except FileNotFoundError:
    list4=[]

def ratefxn2():
    root2=Tk()
    root2.geometry('700x400+270+140')
    root2.maxsize(700,400)
    root2.minsize(700,400)
```

```
root2.title('Rate Us')

def back5():
    root2.destroy()

def search():
    pass

def writefxn():
    messagebox.showinfo('Thanks','Thanks for choosing HOTEL PARADISE
STAR. We hope you had a great time. We hope to see you soon again.')
    root2.destroy()

    with open("rating.dat",'wb') as f:
        list1=[var1.get(),var2.get(),var3.get(),var3.get(),
var4.get(),var5.get()]

        list2.append(list1)

        pickle.dump(list2,f)

try:
    with open ('records.dat','rb') as f:
        f.seek(0)

        details=pickle.load(f)

except FileNotFoundError:
    details=[]

    print("No previous records are available")

try:
    with open ('pref.dat','rb') as f:
        f.seek(0)
```

```
pref=pickle.load(f)

except FileNotFoundError:

    pref=[]

    print("No previous preferences are available")

for i in range(len(pref)):

    try:

        if idvalue.get()==details[i][0]:

            print("Guest name matched")

            list3=details[i]

            list4.append(list3)

            print(list4)

        with open ('check_out.dat','wb') as f:

            pickle.dump(list4,f)

        del details[i]

        del pref [i]

        print("guest details and preferences deleted from files")

        with open ('records.dat', 'wb') as fp:

            pickle.dump(details, fp)

        with open ('pref.dat', 'wb') as fp:

            pickle.dump(pref, fp)

        print("checkout list updated")

    except IndexError:

        pass
```

```
Label(root2,text='Please rate your experience at our Hotel.',font='Helvetica 10 italic').pack()

Label(root2,text=' ',font='Helvetica 10 italic').pack()

# Label(text=' ',font='Helvetica 10 italic').pack()

# Label(text=' ',font='Helvetica 10 italic').pack()

Label(root2,text='This will help us to better ourselves with your guidance.Thank You!',font='Helvetica 10 italic').pack()

def var():

    print(var1.get(),var2.get(),var3.get(),var4.get())

    Label(root2,text= ' Services : ',font='Helivvetica 12 italic',relief=RAISED).place(x=5,y=90)

    var1=IntVar(root2)

    var1.set(0)

    radio1=Radiobutton(root2,text="Needs Improvement",variable=var1,value=1,tristatevalue='x')

    radio1.place(x=170,y=90)

    radio1=Radiobutton(root2,text="Good",variable=var1,value=2,tristatevalue='x')

    radio1.place(x=300,y=90)

    radio1=Radiobutton(root2,text="Very Good",variable=var1,value=3,tristatevalue='x')

    radio1.place(x=400,y=90)

    radio1=Radiobutton(root2,text="Excellent",variable=var1,value=4,tristatevalue='x')

    radio1.place(x=500,y=90)

    radio1=Radiobutton(root2,text="Outstanding",variable=var1,value=5,tristatevalue='x')

    radio1.place(x=600,y=90)
```

```
Label(root2,text=' Cleanliness : ',font='Helvetica 12 italic',relief=RAISED).place(x=5,y=130)

var2=IntVar(root2)

var2.set(0)

radio2=Radiobutton(root2,text="Needs Improvment",variable=var2,value=1,tristatevalue='x')

radio2.place(x=170,y=130)

radio2=Radiobutton(root2,text="Good",variable=var2,value=2,tristatevalue='x')

radio2.place(x=300,y=130)

radio2=Radiobutton(root2,text="Very Good",variable=var2,value=3,tristatevalue='x')

radio2.place(x=400,y=130)

radio2=Radiobutton(root2,text="Excellent",variable=var2,value=4,tristatevalue='x')

radio2.place(x=500,y=130)

radio2=Radiobutton(root2,text="Outstanding",variable=var2,value=5,tristatevalue='x')

radio2.place(x=600,y=130)

Label(root2,text=' Price : ',font='Helvetica 12 italic',relief=RAISED).place(x=5,y=170)

var3=StringVar(root2)

var3.set('0')

radio3=Radiobutton(root2,text="Needs Improvment",variable=var3,value='1',tristatevalue='x')

radio3.place(x=170,y=170)

radio3=Radiobutton(root2,text="Good",variable=var3,value='2',tristatevalue='x')

)
```

```
radio3.place(x=300,y=170)

radio3=Radiobutton(root2,text="Very
Good",variable=var3,value='3',tristatevalue='x')

radio3.place(x=400,y=170)
radio3=Radiobutton(root2,text="Excellent",variable=var3,value='4',tristatevalue
='x')

radio3.place(x=500,y=170)
radio3=Radiobutton(root2,text="Outstanding",variable=var3,value='5',tristateva
lue='x')

radio3.place(x=600,y=170)

Label(root2,text=' Quality of Food :',font='Helvetica 12
italic',relief=RAISED).place(x=5,y=210)

var4=StringVar(root2)

var4.set('0')

radio4=Radiobutton(root2,text="Needs
Improvement",variable=var4,value='1',tristatevalue='x')

radio4.place(x=170,y=210)
radio4=Radiobutton(root2,text="Good",variable=var4,value='2',tristatevalue='x'
)

radio4.place(x=300,y=210)

radio4=Radiobutton(root2,text="Very
Good",variable=var4,value='3',tristatevalue='x')

radio4.place(x=400,y=210)
radio4=Radiobutton(root2,text="Excellent",variable=var4,value='4',tristatevalue
='x')

radio4.place(x=500,y=210)
radio4=Radiobutton(root2,text="Outstanding",variable=var4,value='5',tristateva
lue='x')
```

```
radio4.place(x=600,y=210)

Label(root2,text= ' Our Amenities : ',font='Helvetica 12
italic',relief=RAISED).place(x=5,y=250)

var5=StringVar(root2)

var5.set('0')

radio5=Radiobutton(root2,text="Needs
Improvement",variable=var5,value='1',tristatevalue='x')

radio5.place(x=170,y=250)
radio5=Radiobutton(root2,text="Good",variable=var5,value='2',tristatevalue='x'
)

radio5.place(x=300,y=250)

radio5=Radiobutton(root2,text="Very
Good",variable=var5,value='3',tristatevalue='x')

radio5.place(x=400,y=250)
radio5=Radiobutton(root2,text="Excellent",variable=var5,value='4',tristatevalue
='x')

radio5.place(x=500,y=250)
radio5=Radiobutton(root2,text="Outstanding",variable=var5,value='5',tristateva
lue='x')

radio5.place(x=600,y=250)

id=Label(root2,text="Customer Name:",font="comicsansms 16 underline" )

id.place(x=30,y=286)

idvalue=StringVar(root2)

identry=Entry(root2, textvariable=idvalue,font='Helvetica 18
italic',borderwidth=3,relief=RAISED)

identry.place(x=228,y=286,width=250)
```

```
Button(root2,text='Submit',font='Helvetica 12  
italic',relief=RAISED,command=writefxn).place(x=585,y=286)  
  
Button(root2,text='Back',font='comicsansms  
12',command=back5).place(x=3,y=362)  
  
Button(root2,text="GO", command=search,font='Helvetica 12  
italic',borderwidth=3,relief=RAISED).place(x=480,y=286)  
  
root2.mainloop()
```

Rating: GUI Window

Rate Us

Please rate your experience at our Hotel.

This will help us to better ourselves with your guidance. Thank You!

<u>Services :</u>	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input type="radio"/> Excellent	<input checked="" type="radio"/> Outstanding
<u>Cleanliness :</u>	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
<u>Price :</u>	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
<u>Quality of Food :</u>	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input checked="" type="radio"/> Excellent	<input type="radio"/> Outstanding
<u>Our Amenities :</u>	<input type="radio"/> Needs Improvement	<input type="radio"/> Good	<input type="radio"/> Very Good	<input type="radio"/> Excellent	<input checked="" type="radio"/> Outstanding

Customer Name:

Thanks

X



Thanks for choosing HOTEL PARADISE STAR. We hope you had a great time. We hope to see you soon again.

OK

PURCHASE3.py

```
from tkinter import *
import random

def purchasefxn2():

    class Bill_App:

        def __init__(self, master):
            self.master = master
            self.master.geometry("1300x700+0+0")
            self.master.configure(bg="#f00")
            self.master.title("Billing System")
            title = Label(self.master, text="Billing System", bd=12, relief=RIDGE, font=("Arial Black", 20)).pack(fill=X)
#=====variables=====
=====
'''l=['nutella','noodles','lays','oreo','muffin','silk','namkeen','rice','paneer','roti','dal','thali','ice','soap','shampoo','lotion','cream','foam','mask','sanitizer']

for i in range(len(l)):
    print(self.l[i])'''

self.nutella = IntVar(self.master)
self.noodles = IntVar(self.master)
self.lays = IntVar(self.master)
self.oreo = IntVar(self.master)
self.muffin = IntVar(self.master)
self.silk = IntVar(self.master)
```

```
self.namkeen=IntVar(self.master)

self.rice=IntVar(self.master)

self.paneer=IntVar(self.master)

self.roti=IntVar(self.master)

self.dal=IntVar(self.master)

self.thali=IntVar(self.master)

self.ice=IntVar(self.master)

self.shake=IntVar(self.master)

self.soap=IntVar(self.master)

self.shampoo=IntVar(self.master)

self.lotion=IntVar(self.master)

self.cream=IntVar(self.master)

self.foam=IntVar(self.master)

self.mask=IntVar(self.master)

self.sanitizer=IntVar(self.master)

self.total_sna=StringVar(self.master)

self.total_mai=StringVar(self.master)

self.total_hyg=StringVar(self.master)

self.a=StringVar(self.master)

self.b=StringVar(self.master)

self.c=StringVar(self.master)

self.c_name=StringVar(self.master)

self.bill_no=StringVar(self.master)

x=random.randint(1000,9999)
```

```
self.bill_no.set(str(x))

self.phone=StringVar()

#=====customer details
label frame=====

details=LabelFrame(self.master,text="Customer Details",font=("Arial
Black",12),relief=GROOVE,bd=10)

details.place(x=0,y=80,relwidth=1)

cust_name=Label(details,text="Customer Name",font=("Arial
Black",14)).grid(row=0,column=0,padx=15)

cust_entry=Entry(details,borderwidth=4,width=30,textvariable=self.c_name).gri
d(row=0,column=1,padx=8)

contact_name=Label(details,text="Contact No.",font=("Arial
Black",14)).grid(row=0,column=2,padx=10)

contact_entry=Entry(details,borderwidth=4,width=30,textvariable=self.phone).g
rid(row=0,column=3,padx=8)

bill_name=Label(details,text="Bill.No.",font=("Arial
Black",14)).grid(row=0,column=4,padx=10)

bill_entry=Entry(details,borderwidth=4,width=30,textvariable=self.bill_no).grid(
row=0,column=5,padx=8)

#=====snacks label
frame=====

=====

snacks=LabelFrame(self.master,text="Snacks",font=("Arial
Black",12),relief=GROOVE,bd=10)

snacks.place(x=5,y=180,height=380,width=325)
```

```
list1=["Nutella Choco Spread","Noodles(1
Pack)","Lays(10Rs)","Oreo(20Rs)","Chocolate Muffin","Dairy Milk
Silk(60Rs)","Namkeen(15Rs),]

for i in range (len(list1)):

    Label(snacks,text=list1[i],font=("Arial
Black",11)).grid(row=i,column=0,pady=11)

item1_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.nutella).gr
id(row=0,column=1,padx=10)

item2_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.noodles).g
rid(row=1,column=1,padx=10)

item3_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.lays).gr
id(row=2,column=1,padx=10)

item4_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.oreo).gr
id(row=3,column=1,padx=10)

item5_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.muffin).gr
id(row=4,column=1,padx=10)

item6_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.silk).gr
id(row=5,column=1,padx=10)

item7_entry=Entry(snacks,borderwidth=2,width=15,textvariable=self.namkeen).g
rid(row=6,column=1,padx=10)
```

```
#=====Main_Course=====  
=====  
==  
  
    Main_Course=LabelFrame(self.master,text="Main_Course",font=("Arial  
Black",12),relief=GROOVE,bd=10,)  
  
    Main_Course.place(x=340,y=180,height=380,width=325)  
  
    list2=["Veg. Biryani(Rs.110)","Shahi Paneer(Rs.270)","Tandoori  
Roti(Rs.25)","Daal(Rs.170)","Veg. Thali(Rs.250)","Chocolate Ice  
Cream(Rs.60)","Milk Shake(Rs.75)"]  
  
    for i in range(len(list2)):  
  
        Label(Main_Course,text=list2[i],font=("Arial  
Black",11)).grid(row=i,column=0,pady=11)  
  
item8_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.rice  
)grid(row=0,column=1,padx=10)  
  
item9_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.pan  
eer).grid(row=1,column=1,padx=10)  
  
item10_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.ro  
ti).grid(row=2,column=1,padx=10)  
  
item11_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.da  
l).grid(row=3,column=1,padx=10)  
  
item12_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.th  
ali).grid(row=4,column=1,padx=10)
```

```
item13_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.ic  
e).grid(row=5,column=1,padx=10)
```

```
item14_entry=Entry(Main_Course,borderwidth=2,width=15,textvariable=self.sh  
ake).grid(row=6,column=1,padx=10)
```

```
#=====beauty and  
hygine=====
```

```
hygine=LabelFrame(self.master,text="Beauty & Hygine",font=("Arial  
Black",12),relief=GROOVE,bd=10)
```

```
hygine.place(x=677,y=180,height=380,width=325)
```

```
list3=["Bathing Soap","Shampoo(1ltr)","Body Lotion(1ltr)","Face  
Cream","Shaving Foam","Face Mask(1piece)","Hand Sanitizer(50ml)"]
```

```
for i in range(len(list3)):
```

```
    Label(hygine,text=list3[i],font=("Arial  
Black",11)).grid(row=i,column=0,pady=11)
```

```
item15_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.soap).gr  
id(row=0,column=1,padx=10)
```

```
item16_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.shampoo  
)grid(row=1,column=1,padx=10)
```

```
item17_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.lotion).gr  
id(row=2,column=1,padx=10)
```

```
item18_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.cream).grid(row=3,column=1,padx=10)
```

```
item19_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.foam).grid(row=4,column=1,padx=10)
```

```
item20_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.mask).grid(row=5,column=1,padx=10)
```

```
item21_entry=Entry(hygine,borderwidth=2,width=15,textvariable=self.sanitizer).grid(row=6,column=1,padx=10)
```

```
#-----billarea-----  
=====
```

```
billarea=Frame(self.master,bd=10,relief=GROOVE)
```

```
billarea.place(x=1010,y=188,width=330,height=372)
```

```
bill_title=Label(billarea,text="Bill Preview",font=("Arial Black",17),bd=7,relief=GROOVE,).pack(fill=X)
```

```
scrol_y=Scrollbar(billarea,orient=VERTICAL)
```

```
self.txtarea=Text(billarea,yscrollcommand=scrol_y.set)
```

```
scrol_y.pack(side=RIGHT,fill=Y)
```

```
scrol_y.config(command=self.txtarea.yview)
```

```
self.txtarea.pack(fill=BOTH,expand=1)
```

```
#=====billing
menu=====
=====

    billing_menu=LabelFrame(self.master,text="Billing
Summary",font=("Arial Black",12),relief=GROOVE,bd=10)

    billing_menu.place(x=0,y=560,relwidth=1,height=137)

list4=["Total Snacks Price","Total Main Course Price","Total Beauty &
Hygine Price","Tax on Snacks","Tax on Main Course","Beauty & Hygine Tax"]

for i in range(len(list4)):

    Label(billing_menu,text=list4[i],font=("Arial
Black",11)).grid(row=i,column=0)

total_snacks_entry=Entry(billing_menu,width=30,borderwidth=2,textvariable=
elf.total_sna).grid(row=0,column=1,padx=10,pady=7)

total_Main_Course_entry=Entry(billing_menu,width=30,borderwidth=2,textvari
able=self.total_mai).grid(row=1,column=1,padx=10,pady=7)

total_hygine_entry=Entry(billing_menu,width=30,borderwidth=2,textvariable=s
elf.total_hyg).grid(row=2,column=1,padx=10,pady=7)

tax_snacks_entry=Entry(billing_menu,width=30,borderwidth=2,textvariable=sel
f.a).grid(row=0,column=3,padx=10,pady=7)

tax_Main_Course_entry=Entry(billing_menu,width=30,borderwidth=2,textvaria
ble=self.b).grid(row=1,column=3,padx=10,pady=7)
```

```
tax_hygine_entry=Entry(billing_menu,width=30,borderwidth=2,textvariable=self.c).grid(row=2,column=3,padx=10,pady=7)

    button_frame=Frame(billing_menu,bd=7,relief=GROOVE)

        button_frame.place(x=830,width=500,height=95)

        button_total=Button(button_frame,text="Total Bill",font=("Arial Black",15),pady=10,bg="#E5B4F3",fg="#6C3483",command=lambda:total(self)).grid(row=0,column=0,padx=12)

        button_clear=Button(button_frame,text="Clear Field",font=("Arial Black",15),pady=10,bg="#E5B4F3",fg="#6C3483",command=lambda:clear(self)).grid(row=0,column=1,padx=10,pady=6)

        button_exit=Button(button_frame,text="Exit",font=("Arial Black",15),pady=10,bg="#E5B4F3",fg="#6C3483",width=8,command=lambda:exit1(self)).grid(row=0,column=2,padx=10,pady=6)

    intro(self)

def total(self):

    # if (self.c_name.get()==" " or self.phone.get()==""):

        # messagebox.showerror("Error", "Fill the complete Customer Details!!")

    self.nu=self.nutella.get()*120

    self.no=self.noodles.get()*40

    self.la=self.lays.get()*10

    self.ore=self.oreo.get()*20

    self.mu=self.muffin.get()*30

    self.si=self.silk.get()*60

    self.na=self.namkeen.get()*15

    total_snacks_price=(self.nu+self.no+self.la+self.ore+self.mu+self.si+self.na)
```

```
self.total_sna.set(str(total_snacks_price)+" Rs")
self.a.set(str(round(total_snacks_price*0.05,3))+" Rs")
self.ri=self.rice.get()*110
self.pa=self.paneer.get()*270
self.ro=self.roti.get()*25
self.da=self.dal.get()*170
self.th=self.thali.get()*250
self.ic=self.ice.get()*60
self.sh=self.shake.get()*75
```

total_Main_Course_price=(self.ri+self.pa+self.ro+self.da+self.th+self.ic+self.sh)

```
self.total_mai.set(str(total_Main_Course_price)+" Rs")
self.b.set(str(round(total_Main_Course_price*0.01,3))+" Rs")
self.so=self.soap.get()*30
self.sh=self.shampoo.get()*180
self.cr=self.cream.get()*130
self.lo=self.lotion.get()*500
self.fo=self.foam.get()*85
self.ma=self.mask.get()*100
self.sa=self.sanitizer.get()*20
```

total_hygine_price=(self.so+self.sh+self.cr+self.lo+self.fo+self.ma+self.sa)

```
self.total_hyg.set(str(total_hygine_price)+" Rs")
```

```
self.c.set(str(round(total_hygine_price*0.10,3))+" Rs")

self.total_all_bill=(total_snacks_price+total_Main_Course_price+total_hygine_p
rice+
    (round(total_Main_Course_price*0.01,3))+

    (round(total_hygine_price*0.10,3))+

    (round(total_snacks_price*0.05,3)))

self.total_all_bil=str(self.total_all_bill)+" Rs"

billarea(self)

def intro(self):

    self.txtarea.delete(1.0,END)

    self.txtarea.insert(END,"\\tWELCOME TO PARADISE STAR\\n\\tPhone-
No.739275410")

    self.txtarea.insert(END,f"\n\nBill no. : {self.bill_no.get()}" )

    self.txtarea.insert(END,f"\nCustomer Name : {self.c_name.get()}" )

    self.txtarea.insert(END,f"\nPhone No. : {self.phone.get()}" )

    self.txtarea.insert(END,"\\n=====\\n")

    self.txtarea.insert(END,"\\nProduct\\t\\tQty\\tPrice\\n")

    self.txtarea.insert(END,"\\n=====\\n")

def billarea(self):

    intro(self)

    if self.nutella.get()!=0:

        self.txtarea.insert(END,f"Nutella\\t\\t {self.nutella.get()}\\t{self.nu}\\n")

    if self.noodles.get()!=0:

        self.txtarea.insert(END,f"Noodles\\t\\t {self.noodles.get()}\\t{self.no}\\n")
```

```
if self.lays.get()!=0:  
    self.txtarea.insert(END,f"Lays\t\t {self.lays.get()}\t{self.la}\n")  
  
if self.oreo.get()!=0:  
    self.txtarea.insert(END,f"Oreo\t\t {self.oreo.get()}\t{self.ore}\n")  
  
if self.muffin.get()!=0:  
    self.txtarea.insert(END,f"Muffins\t\t {self.muffin.get()}\t{self.mu}\n")  
  
if self.silk.get()!=0:  
    self.txtarea.insert(END,f"Silk\t\t {self.silk.get()}\t{self.si}\n")  
  
if self.namkeen.get()!=0:  
    self.txtarea.insert(END,f"Namkeen\t\t {self.namkeen.get()}\t{self.na}\n")  
  
if self.rice.get()!=0:  
    self.txtarea.insert(END,f"Veg. Biriyani\t\t {self.rice.get()}\t{self.ri}\n")  
  
if self.paneer.get()!=0:  
    self.txtarea.insert(END,f"Shahi Paneer\t\t  
{self.paneer.get()}\t{self.pa}\n")  
  
if self.roti.get()!=0:  
    self.txtarea.insert(END,f"Tandoori Roti\t\t {self.roti.get()}\t{self.ro}\n")  
  
if self.dal.get()!=0:  
    self.txtarea.insert(END,f"Daal\t\t {self.dal.get()}\t{self.da}\n")  
  
if self.thali.get()!=0:  
    self.txtarea.insert(END,f"Veg. Thali\t\t {self.thali.get()}\t{self.th}\n")  
  
if self.ice.get()!=0:  
    self.txtarea.insert(END,f"Chocolate Ice Cream\t\t  
{self.ice.get()}\t{self.ic}\n")
```

```
if self.shake.get()!=0:  
    self.txtarea.insert(END,f"Milk Shake\t\t {self.shake.get()}\t{self.sh}\n")  
  
if self.soap.get()!=0:  
    self.txtarea.insert(END,f"Soap\t\t {self.soap.get()}\t{self.so}\n")  
  
if self.shampoo.get()!=0:  
    self.txtarea.insert(END,f"Shampoo\t\t {self.shampoo.get()}\t{self.sh}\n")  
  
if self.lotion.get()!=0:  
    self.txtarea.insert(END,f"Lotion\t\t {self.lotion.get()}\t{self.lo}\n")  
  
if self.cream.get()!=0:  
    self.txtarea.insert(END,f"Cream\t\t {self.cream.get()}\t{self.cr}\n")  
  
if self.foam.get()!=0:  
    self.txtarea.insert(END,f"Foam\t\t {self.foam.get()}\t{self.fo}\n")  
  
if self.mask.get()!=0:  
    self.txtarea.insert(END,f"Mask\t\t {self.mask.get()}\t{self.ma}\n")  
  
if self.sanitizer.get()!=0:  
    self.txtarea.insert(END,f"Sanitizer\t\t {self.sanitizer.get()}\t{self.sa}\n")  
  
self.txtarea.insert(END,f"-----\n")  
  
if self.a.get()!="0.0 Rs":  
    self.txtarea.insert(END,f"Total Snacks Tax : {self.a.get()}\n")  
  
if self.b.get()!="0.0 Rs":  
    self.txtarea.insert(END,f"Total Main Course Tax : {self.b.get()}\n")  
  
if self.c.get()!="0.0 Rs":  
    self.txtarea.insert(END,f"Total Beauty&Hygine Tax : {self.c.get()}\n")
```

```
self.txtarea.insert(END,f"Total Bill Amount : {self.total_all_bil}\n")  
self.txtarea.insert(END,f"-----\n")  
  
def clear(self):  
  
    self.txtarea.delete(1.0,END)  
  
    self.nutella.set(0)  
  
    self.noodles.set(0)  
  
    self.lays.set(0)  
  
    self.oreo.set(0)  
  
    self.muffin.set(0)  
  
    self.silk.set(0)  
  
    self.namkeen.set(0)  
  
    self.rice.set(0)  
  
    self.paneer.set(0)  
  
    self.roti.set(0)  
  
    self.dal.set(0)  
  
    self.thali.set(0)  
  
    self.ice.set(0)  
  
    self.milk.set(0)  
  
    self.soap.set(0)  
  
    self.shampoo.set(0)  
  
    self.lotion.set(0)  
  
    self.cream.set(0)  
  
    self.foam.set(0)  
  
    self.mask.set(0)
```

```
self.sanitizer.set(0)

self.total_sna.set(0)

self.total_mai.set(0)

self.total_hyg.set(0)

self.a.set(0)

self.b.set(0)

self.c.set(0)

self.c_name.set(0)

self.bill_no.set(0)

self.bill_no.set(0)

self.phone.set(0)

def exit1(self):

    self.master.destroy()

master=Tk()

obj=Bill_App(master)

def back6():

    master.destroy()

    Button(master,text='Back',font='comicsansms
17',command=back6).place(x=10,y=10)

master.mainloop()
```

Purchase: GUI Window:

Billing System

Billing System

Customer Details

Customer Name	Nisha	Contact No.	123456789	Bill.No.	5423
----------------------	-------	--------------------	-----------	-----------------	------

Snacks

Nutella Choco Spread	1
Noodles(1 Pack)	1
Lays(10Rs)	0
Oreo(20Rs)	0
Chocolate Muffin	0
Dairy Milk Silk(60Rs)	0
Namkeen(15Rs)	0

Main_Course

Veg. Biriyani(Rs.110)	0
Shahi Paneer(Rs.270)	0
Tandoori Roti(Rs.25)	0
Daal(Rs.170)	2
Veg. Thali(Rs.250)	0
Chocolate Ice Cream(Rs.60)	0
Milk Shake(Rs.75)	0

Beauty & Hygiene

Bathing Soap	0
Shampoo(1ltr)	0
Body Lotion(1ltr)	0
Face Cream	1
Shaving Foam	0
Face Mask(1piece)	0
Hand Sanitizer(50ml)	1

Bill Preview

WELCOME TO PARADISE STAR		
Phone-No. 739275410		
Bill no. : 5423		
Customer Name : Nisha		
Phone No. :		
=====		
Product	Qty	Price
Nutella	1	120
Noodles	1	40
Daal	2	340
Cream	1	130
Sanitizer	1	20
=====		
Total Snacks Tax : 8.0 Rs		
Total Main Course Tax : 3.4 Rs		

Billing Summary

Total Snacks Price	160 Rs	8.0 Rs
Total Main Course Price	340 Rs	3.4 Rs
Total Beauty & Hygiene Price	150 Rs	15.0 Rs

Total Bill **Clear Field** **Exit**

ABOUT3.py

```
from tkinter import *
def aboutfn2():
    window=Tk()
    window.title('HOTEL PARADISE STAR')
    window.geometry('700x400+270+140')
    window.maxsize(700,400)
    window.minsize(700,400)
def back3():
    window.destroy()
Label(window,text='HOTEL PARADISE STAR!',font='Helvetica 25 italic').pack()
Label(window,text="""PARADISE STAR WORLDWIDE offers a warm and friendly stay no matter where you travel around the world. Our guest enjoys high speed wireless internet access, cozy beds for a relaxed and restful stay, and a variety of hotel choices to match every trip; from a family vacation or weekend getaway, to a full-scale conference or wedding. We are committed to creating caring experiences for every person, every time, and strive to make our guests feel truly refreshed and restored during their visit."", font='Helvetica 12 italic').pack()

Label(window,text=' ',font='Helvetica 10 italic').pack()
Label(window,text="""ADITI MITTAL (ROLL NO.03/XII) \nNISHA GAWADE (ROLL NO.11/XII)
```

SPECIAL THANKS TO:

```
SONA MAM "",font='Helvetica 16 italic').pack()  
  
Button(window,text='Back',font='comicsansms  
12',command=back3).place(x=3,y=362)  
  
window.mainloop()
```

About: GUI Window

