***MAIN3.py***

from tkinter import \*

from PREFERENCES3 import preferencefxn2

from PAYMENT3 import paymentfxn2

from ABOUT3 import aboutfxn2

from GUEST\_INFO3 import guestinfofxn2

from PURCHASE3 import purchasefxn2

root=Tk()

root.title('HOTEL PARADISE STAR')

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

root.maxsize(700,400)

root.minsize(700,400)

def preferencefxn1():

preferencefxn2()

def guestinfofxn1 ():

guestinfofxn2()

def paymentfxn1 ():

paymentfxn2()

def aboutfxn1 ():

aboutfxn2()

def purchasefxn1():

purchasefxn2()

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()

***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(),emergencyvalue.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()

***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()

***GUEST\_INFO3.py***

from tkinter import \*

from INFO3 import info

import pickle

import os

def guestinfofxn2():

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]=l

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]=l

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]

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

elif room\_idvalue.get()==details[i][1]:

del details[i]

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

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

del details[i]

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

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

del details[i]

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

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

del details[i]

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

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

del details[i]

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

except IndexError:

pass

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

pickle.dump(details, fp)

'''ANOTHER WAY OF MAKING DEL FUNCTION

def delete():

fp= open ('records.dat', 'rb')

tp= open ('temp.dat','wb')

try:

while True:

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

fp.seek(0)

details = pickle.load(fp)

for i in range (len(details)):

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

del details[i]

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

elif room\_idvalue.get()==details[i][1]:

del details[i]

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

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

del details[i]

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

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

del details[i]

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

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

del details[i]

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

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

del details[i]

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

else:

w.insert(INSERT,f'Guest Not Found!')

pickle.dump(details,tp)

except Exception:

fp.close()

tp.close()

os.remove("records.dat")

os.rename("temp.dat","records.dat")

'''

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()

***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()