**AN INVESTIGATORY**

**PROJECT**

**ON**

***RESTAURANT BILLING SYSTEM***

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**LIST OF CONTENTS:**

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**LIBRARIES AND THEIR PURPOSE**

1. **Tkinter -** For Creating an GUI Interface.
2. **Pillow -** To insert and resize images.
3. **Messagebox -** To display messages and errors.
4. **Ttk -**  To create COMBOBOXES and TREE VIEW widgets.
5. **Pymysql -** To connect SQL with PYTHON.
6. **Random -**  To generate random numbers.
7. **Pyqrcode** - To generate QR code
8. **Time -**  To slow down the output.
9. **Datetime**- To insert Date and Time data.

CODING

CODE :

import tkinter as tk

from tkinter import \*

from tkinter import ttk

import random

import time

import pyqrcode

from pyqrcode import create

from tkinter import messagebox, ttk

from PIL import Image, ImageTk

import png

import pymysql as pym

def Restaurant():

root=Tk()

root.resizable(0,0)

root.geometry("1100x600+0+0")

root.title("Restaurant Billing System")

root.configure(background='black')

#=======================Frame=====================BottomMainFrame = Frame(root, width=1000, height=770, bd=12, bg='silver',relief="raise")

BottomMainFrame.place(x=0,y=85)

Label(text='RestaurantBillingSystem',font=('areial',45,'bold')).place(x=300,y=2)

f1 = Frame(BottomMainFrame, width=500, height=770, bd=12, bg='Blue',relief=SUNKEN)

f1.pack(side=LEFT)

f1top = Frame(f1, width=500, height=570, bd=12, relief="raise")

f1top.pack(side=TOP)

f1bottom = Frame(f1, width=500, height=200, bd=12, relief="raise")

f1bottom.pack(side=BOTTOM)

f2 = Frame(BottomMainFrame, width=400, height=770, bd=12, bg='Blue',relief=SUNKEN)

f2.pack(side=RIGHT)

f2Top = Frame(f2, width=400, height=450, bd=4, relief="raise")

f2Top.pack(side=TOP)

f2Bottom = Frame(f2, width=400, height=450,bd=4, relief="raise")

f2Bottom.pack(side=BOTTOM)

RightMainFrame = Frame(root, width=355, height=855, bd=12, bg='silver',relief="raise")

RightMainFrame.place(x=1010,y=115)

f3 = Frame(RightMainFrame, width=325, height=600, bd=12, bg='Blue',relief=SUNKEN)

f3.pack(side=RIGHT)

f3Top = Frame(f3, width=325, height=600, bd=4, relief="raise")

f3Top.pack(side=TOP)

f3bottom = Frame(f3, width=500, height=200, bd=12, relief="raise")

f3bottom.pack(side=BOTTOM)

#==================VARIABLES=====================

Receipt\_Ref = StringVar()

DateofOrder = StringVar()

DateofOrder.set(time.strftime("%d/%m/%y"))

var1 = IntVar()

var2 = IntVar()

var3 = IntVar()

var4 = IntVar()

var5 = IntVar()

var6 = IntVar()

var7 = IntVar()

var8 = IntVar()

var9 = IntVar()

var10 = IntVar()

var11 = IntVar()

var12 = IntVar()

var13 = IntVar()

var14 = IntVar()

var15 = IntVar()

var16 = IntVar()

var17 = IntVar()

var18 = IntVar()

var19 = IntVar()

var20 = IntVar()

var21 = IntVar()

var22 = IntVar()

var1.set(0)

var2.set(0)

var3.set(0)

var4.set(0)

var5.set(0)

var6.set(0)

var7.set(0)

var8.set(0)

var9.set(0)

var10.set(0)

var11.set(0)

var12.set(0)

var13.set(0)

var14.set(0)

var15.set(0)

var16.set(0)

var17.set(0)

var18.set(0)

var19.set(0)

var20.set(0)

var21.set(0)

var22.set(0)

#====BOTTOM FRAME FRAME 1 VARIABLES ==================================================

varFries = StringVar()

varSalad = StringVar()

varHamburger = StringVar()

varPizza = StringVar()

varChickenSalad = StringVar()

varCheeseSandwich = StringVar()

varChickenSandwich = StringVar()

varMushroomSandwich = StringVar()

varFries.set(0)

varSalad.set(0)

varHamburger.set(0)

varPizza.set(0)

varChickenSalad.set(0)

varCheeseSandwich.set(0)

varChickenSandwich.set(0)

varMushroomSandwich.set(0)

#=========BOTTOM FRAME : FRAME 2 TOP FRAME VARIABLES =======================================

varChocoBrownie = StringVar()

varGulabJamun = StringVar()

varBlack\_Forest = StringVar()

varRasmalai = StringVar()

varJalebi = StringVar()

varChocoBrownie.set(0)

varGulabJamun.set(0)

varBlack\_Forest.set(0)

varRasmalai.set(0)

varJalebi.set(0)

#=======BOTTOM FRAME : FRAME 2 BOTTOM FRAME VARIABLES=======================================

varTotal = StringVar()

varCGST = StringVar()

varSGST = StringVar()

varServiceCharge = StringVar()

varPay = StringVar()

varTotal.set(0)

varCGST.set(0)

varSGST.set(0)

varServiceCharge.set(0)

varPay.set(0)

#==============BOTTOM FRAME : FRAME 3 VARIABLES=======================================

varTea = StringVar()

varCola = StringVar()

varCoffee = StringVar()

varOrange = StringVar()

varWater= StringVar()

varChocolateShake = StringVar()

varFruitCocktail = StringVar()

varVanillaShake = StringVar()

varOreoKrusher = StringVar()

varTea.set(0)

varCoffee.set(0)

varCola.set(0)

varOrange.set(0)

varWater.set(0)

varChocolateShake.set(0)

varFruitCocktail.set(0)

varVanillaShake.set(0)

varOreoKrusher.set(0)

#====================BUTTON FUNCTIONS ============================================

def iExit():

qExit = messagebox.askyesno("Restraunt Management","Do you want to quit ?")

if qExit > 0:

root.destroy()

Home()

#================RESETFUNCTION==================

def Reset():

varFries.set(0)

varSalad.set(0)

varHamburger.set(0)

varPizza.set(0)

varChickenSalad.set(0)

varCheeseSandwich.set(0)

varChickenSandwich.set(0)

varMushroomSandwich.set(0)

varChocoBrownie.set(0)

varGulabJamun.set(0)

varBlack\_Forest.set(0)

varRasmalai.set(0)

varJalebi.set(0)

varTotal.set(0)

varCGST.set(0)

varSGST.set(0)

varServiceCharge.set(0)

varPay.set(0)

varTea.set(0)

varCoffee.set(0)

varCola.set(0)

varOrange.set(0)

varWater.set(0)

varChocolateShake.set(0)

varFruitCocktail.set(0)

varVanillaShake.set(0)

varOreoKrusher.set(0)

var1.set(0)

var2.set(0)

var3.set(0)

var4.set(0)

var5.set(0)

var6.set(0)

var7.set(0)

var8.set(0)

var9.set(0)

var10.set(0)

var11.set(0)

var12.set(0)

var13.set(0)

var14.set(0)

var15.set(0)

var16.set(0)

var17.set(0)

var18.set(0)

var19.set(0)

var20.set(0)

var21.set(0)

var22.set(0)

txtFries.configure(state=DISABLED)

txtSalad.configure(state=DISABLED)

txtHamburger.configure(state=DISABLED)

txtPizza.configure(state=DISABLED)

txtChickenSalad.configure(state=DISABLED)

txtCheeseSandwich.configure(state=DISABLED)

txtChickenSandwich.configure(state=DISABLED)

txtMushroomSandwich.configure(state=DISABLED)

txtChocoBrownie.configure(state=DISABLED)

txtGulabJamun.configure(state=DISABLED)

txtBlack\_Forest.configure(state=DISABLED)

txtRasmalai.configure(state=DISABLED)

txtJalebi.configure(state=DISABLED)

txtTotal.configure(state=DISABLED)

txtCGST.configure(state=DISABLED)

txtSGST.configure(state=DISABLED)

txtServiceCharge.configure(state=DISABLED)

txtTea.configure(state=DISABLED)

txtCoffee.configure(state=DISABLED)

txtCola.configure(state=DISABLED)

txtOrange.configure(state=DISABLED)

txtWater.configure(state=DISABLED)

txtChocolateShake.configure(state=DISABLED)

txtOreoKrusher.configure(state=DISABLED)

txtVanillaShake.configure(state=DISABLED)

txtOreoKrusher.configure(state=DISABLED)

#==============RECEIPTFUMCTION==================

def Receipt():

if varTotal.get()=="0":

show1 = messagebox.showerror("Restraunt Management","Click On Total")

else:

roor = Tk()

roor.geometry("600x700+0+0")

roor.resizable(0,0)

f1 = Frame(roor, width = 1600, height = 700, bd = 12, relief = "raise")

f1.pack()

lblReceipt = Label(f1, font=('arial', 12, 'bold'), text="Receipt", bd=2, anchor='w')

lblReceipt.grid(row=0, column=0, sticky=W)

txtReceipt = Text(f1, width=64, height=35, bg="white", bd=8, font=('arial', 11, 'bold'))

txtReceipt.grid(row=1, column=0)

txtReceipt.delete("1.0", END)

x = random.randint(1000, 500890)

randomRef = str(x)

Receipt\_Ref.set("BILL" + randomRef)

txtReceipt.insert(END, 'Receipt Ref:\t\t\t'+ Receipt\_Ref.get() + '\t\t\t' + DateofOrder.get()+"\n")

txtReceipt.insert(END, 'Items\t\t\t\t' + "No. of Items \n\n")

txtReceipt.insert(END, 'Fries:\t\t\t\t\t' + varFries.get() + "\n")

txtReceipt.insert(END, 'Salad: \t\t\t\t\t' + varSalad.get() + "\n")

txtReceipt.insert(END, 'HamBurger: \t\t\t\t\t' + varHamburger.get() + "\n")

txtReceipt.insert(END, 'Pizza: \t\t\t\t\t' + varPizza.get() + "\n")

txtReceipt.insert(END, 'Chicken Salad: \t\t\t\t\t' + varChickenSalad.get() + "\n")

txtReceipt.insert(END, 'Cheese Sandwhich: \t\t\t\t\t' + varCheeseSandwich.get() + "\n")

txtReceipt.insert(END, 'Chicken Sandwhich: \t\t\t\t\t' + varChickenSandwich.get() + "\n")

txtReceipt.insert(END, 'Mushroom Sandwhich: \t\t\t\t\t' + varMushroomSandwich.get() + "\n")

txtReceipt.insert(END, 'Choco Brownie: \t\t\t\t\t' + varChocoBrownie.get() + "\n")

txtReceipt.insert(END, 'Gulab Jamun: \t\t\t\t\t' + varGulabJamun.get() + "\n")

txtReceipt.insert(END, 'Black\_Forest: \t\t\t\t\t' + varBlack\_Forest.get() + "\n")

txtReceipt.insert(END, 'RasMalai: \t\t\t\t\t' + varRasmalai.get() + "\n")

txtReceipt.insert(END, 'Jalebi: \t\t\t\t\t' + varJalebi.get() + "\n")

txtReceipt.insert(END, 'Tea: \t\t\t\t\t' + varTea.get() + "\n")

txtReceipt.insert(END, 'Coffee: \t\t\t\t\t' + varCoffee.get() + "\n")

txtReceipt.insert(END, 'Cola: \t\t\t\t\t' + varCola.get() + "\n")

txtReceipt.insert(END, 'Orange Juice: \t\t\t\t\t' + varOrange.get() + "\n")

txtReceipt.insert(END, 'Water: \t\t\t\t\t' + varWater.get() + "\n")

txtReceipt.insert(END, 'Chocolate Shake: \t\t\t\t\t' + varChocolateShake.get() + "\n")

txtReceipt.insert(END, 'Fruit Cocktail: \t\t\t\t\t' + varFruitCocktail.get() + "\n")

txtReceipt.insert(END, 'Vanilla Shake: \t\t\t\t\t' + varVanillaShake.get() + "\n")

txtReceipt.insert(END, 'Oreo Krusher: \t\t\t\t\t' + varOreoKrusher.get() + "\n")

txtReceipt.insert(END, '\nTotal Cost of Food: \t\t' + varTotal.get() + "\nCGST:\t\t" +

varCGST.get() + "\nSGST:\t\t" +varSGST.get() + "\nService Charge:\t\t" +

varServiceCharge.get() + "\nTotal Payble amount:\t\t" + varPay.get())

text\_file=open("Reciept.txt",'w')

text\_file.write(txtReceipt.get(1.0,END))

text\_file.close

roor.mainloop()

#====================PRICELIST====================

def price\_list():

roo = Tk()

roo.geometry("600x700+0+0")

roo.title("Price List")

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="ITEM", fg="black", bd=5)

lblinfo.grid(row=0, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="\_\_\_\_\_\_\_\_\_\_\_\_\_", fg="white", anchor=W)

lblinfo.grid(row=0, column=2)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="PRICE", fg="black", anchor=W)

lblinfo.grid(row=0, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Fries", fg="steel blue", anchor=W)

lblinfo.grid(row=1, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="105", fg="steel blue", anchor=W)

lblinfo.grid(row=1, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Salad", fg="steel blue", anchor=W)

lblinfo.grid(row=2, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="120", fg="steel blue", anchor=W)

lblinfo.grid(row=2, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Hamburger", fg="steel blue", anchor=W)

lblinfo.grid(row=3, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="100", fg="steel blue", anchor=W)

lblinfo.grid(row=3, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Pizza", fg="steel blue", anchor=W)

lblinfo.grid(row=4, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="190", fg="steel blue", anchor=W)

lblinfo.grid(row=4, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Chicken Salad", fg="steel blue", anchor=W)

lblinfo.grid(row=5, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="250", fg="steel blue", anchor=W)

lblinfo.grid(row=5, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Cheese Sandwhich", fg="steel blue", anchor=W)

lblinfo.grid(row=6, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="200", fg="steel blue", anchor=W)

lblinfo.grid(row=6, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Chicken Sandwhich", fg="steel blue", anchor=W)

lblinfo.grid(row=7, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="180", fg="steel blue", anchor=W)

lblinfo.grid(row=7, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Mushroom Sandwich", fg="steel blue", anchor=W)

lblinfo.grid(row=8, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="150", fg="steel blue", anchor=W)

lblinfo.grid(row=8, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Chocolate Brownie", fg="steel blue", anchor=W)

lblinfo.grid(row=9, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="139", fg="steel blue", anchor=W)

lblinfo.grid(row=9, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Hot Gulab Jamun with Icecream", fg="steel blue",anchor=W)

lblinfo.grid(row=10, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="250", fg="steel blue", anchor=W)

lblinfo.grid(row=10, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Black\_Forest", fg="steel blue", anchor=W)

lblinfo.grid(row=11, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="80", fg="steel blue", anchor=W)

lblinfo.grid(row=11, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Rasmalai", fg="steel blue", anchor=W)

lblinfo.grid(row=12, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="120", fg="steel blue", anchor=W)

lblinfo.grid(row=12, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Jalebi", fg="steel blue", anchor=W)

lblinfo.grid(row=13, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="90", fg="steel blue", anchor=W)

lblinfo.grid(row=13, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Tea", fg="steel blue", anchor=W)

lblinfo.grid(row=14, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="49", fg="steel blue", anchor=W)

lblinfo.grid(row=14, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Coffee", fg="steel blue", anchor=W)

lblinfo.grid(row=15, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="79", fg="steel blue", anchor=W)

lblinfo.grid(row=15, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Cola", fg="steel blue", anchor=W)

lblinfo.grid(row=16, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="20", fg="steel blue", anchor=W)

lblinfo.grid(row=16, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Orange Juice", fg="steel blue", anchor=W)

lblinfo.grid(row=17, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="50", fg="steel blue", anchor=W)

lblinfo.grid(row=17, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Mineral Water", fg="steel blue", anchor=W)

lblinfo.grid(row=18, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="25", fg="steel blue", anchor=W)

lblinfo.grid(row=18, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Chocolate Shake", fg="steel blue", anchor=W)

lblinfo.grid(row=19, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="50", fg="steel blue", anchor=W)

lblinfo.grid(row=19, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Fruit Cocktail", fg="steel blue", anchor=W)

lblinfo.grid(row=20, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="105", fg="steel blue", anchor=W)

lblinfo.grid(row=20, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Vanilla Shake", fg="steel blue", anchor=W)

lblinfo.grid(row=21, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="125", fg="steel blue", anchor=W)

lblinfo.grid(row=21, column=3)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="Oreo Krusher", fg="steel blue", anchor=W)

lblinfo.grid(row=22, column=0)

lblinfo = Label(roo, font=('aria', 15, 'bold'), text="50", fg="steel blue", anchor=W)

lblinfo.grid(row=22, column=3)

roo.mainloop()

#============TOTALFUNCTION======================

def TotalCost():

global iTotal,cgst,sgst,service\_charge

if varFries.get()=="" or varSalad.get()=="" or varHamburger.get()=="" or varPizza.get()=="" or varChickenSalad.get()=="" or varCheeseSandwich.get()=="" or varChickenSandwich.get()=="" or varMushroomSandwich.get()=="" or varChocoBrownie.get()=="" or varGulabJamun.get()=="" or varBlack\_Forest.get()=="" or varRasmalai.get()=="" or varJalebi.get()=="" or varTea.get()=="" or varCola.get()=="" or varCoffee.get()=="" or varOrange.get()=="" or varWater.get()=="" or varChocolateShake.get()=="" or varVanillaShake.get()=="" or varFruitCocktail.get()=="" or varOreoKrusher.get()=="" :

show2 = messagebox.showerror("Restraunt Billing System","Please enter a value ?")

try:

m1 = float(varFries.get())

m2 = float(varSalad.get())

m3 = float(varHamburger.get())

m4 = float(varPizza.get())

m5 = float(varChickenSalad.get())

m6 = float(varCheeseSandwich.get())

m7 = float(varChickenSandwich.get())

m8 = float(varMushroomSandwich.get())

m9 = float(varChocoBrownie.get())

m10 = float(varGulabJamun.get())

m11 = float(varBlack\_Forest.get())

m12 = float(varRasmalai.get())

m13 = float(varJalebi.get())

m14 = float(varTea.get())

m15 = float(varCola.get())

m16 = float(varCoffee.get())

m17 = float(varOrange.get())

m18 = float(varWater.get())

m19 = float(varChocolateShake.get())

m20 = float(varVanillaShake.get())

m21 = float(varFruitCocktail.get())

m22 = float(varOreoKrusher.get())

iTotal = (m1\*105 + m2\*120 + m3\*100 + m4\*190 + m5\*250 + m6\*200 + m7\*180 + m8\*150 + m9\*139 +

m10\*250 + m11\*80 + m12\*120 + m13\*90+ m14\*49 + m15\*79 + m16\*20 + m17\*50 +

m18\*25 + m19\*50 + m20\*105 + m21\*125 + m21\*50)

striTotal = str('Rs'+str(iTotal))

varTotal.set(striTotal)

cgst = (9/100)\*iTotal

strcgst = 'Rs',str(cgst)

varCGST.set(strcgst)

sgst = (9/100)\*iTotal

strsgst = 'Rs',str(sgst)

varSGST.set(strsgst)

service\_charge = 0.1\*iTotal

strService\_charge = "Rs",str(service\_charge)

varServiceCharge.set(strService\_charge)

strPay = 'Rs', str('%.2f'%(iTotal+cgst+sgst+service\_charge))

varPay.set(strPay)

except ValueError:

pass

#====================PFUNCTION===================

def Pay():

if varTotal.get()=="Rs0.0" or varTotal.get()=="0" :

show2 = messagebox.showerror("Restraunt Billing System","Please! select the items.")

else:

try:

strPay = str('Pay Rs ' + str('%.2f'%(iTotal+cgst+sgst+service\_charge)))

print(strPay)

qpay = messagebox.askyesno("Restraunt Billing System","Do you want to Pay the Money ?")

if qpay > 0:

root.destroy()

qr = tk.Tk()

qr.resizable(0,0)

qr.geometry("500x500")

qr.configure(background='#F25252')

qr.title("Qr Code")

l2=tk.Label(qr,padx=20,pady=1,bd=14,fg="black",bg='#F25252',font=('arial',25,'bold'),

text='Pay Using QR Code here,')

l2.place(x=35,y=0)

def back():

qpay = messagebox.askyesno("Restraunt Billing System","Do you want to Continue With Your Order ?")

if qpay > 0:

qr.destroy()

Restaurant()

else:

qr.destroy()

def my\_generate():

global my\_img

my\_qr = pyqrcode.create(strPay)

#my\_qr.png('my\_qr1.png', module\_color=[0, 0, 0, 128], background=[0xff, 0xcc, 0xcc])

my\_qr = my\_qr.xbm(scale=12)

my\_img=tk.BitmapImage(data=my\_qr)

l1.config(image=my\_img)

l1=tk.Label(qr,bg='#F25252')

l1.place(x=65,y=55)

b1=tk.Button(qr,padx=20,pady=1,bd=14,fg="white",bg='green',font=('arial',16,'bold'),width=4,

text="Pay Now",command=lambda:my\_generate())

b1.place(x=115,y=425)

btnexit=Button(qr,padx=20,pady=1,bd=14,fg="white",bg='red',font=('arial',16,'bold'),width=4,

text="Back",command = back)

btnexit.place(x=300,y=425)

qr.mainloop()

except NameError:

pass

# ============================================ CHECKBOX FUNCTION =========================================

def a():

if var1.get() == 1:

txtFries.configure(state=NORMAL)

varFries.set("")

elif var1.get() == 0:

txtFries.configure(state=DISABLED)

varFries.set("0")

def b():

if var2.get() == 1:

txtSalad.configure(state=NORMAL)

varSalad.set("")

elif var2.get() == 0:

txtSalad.configure(state=DISABLED)

varSalad.set("0")

def c():

if var3.get() == 1:

txtHamburger.configure(state=NORMAL)

varHamburger.set("")

elif var3.get() == 0:

txtHamburger.configure(state=DISABLED)

varHamburger.set("0")

def d():

if var4.get() == 1:

txtPizza.configure(state=NORMAL)

varPizza.set("")

elif var4.get() == 0:

txtPizza.configure(state=DISABLED)

varPizza.set("0")

def e():

if var5.get() == 1:

txtChickenSalad.configure(state=NORMAL)

varChickenSalad.set("")

elif var5.get() == 0:

txtChickenSalad.configure(state=DISABLED)

varChickenSalad.set("0")

def f():

if var6.get() == 1:

txtCheeseSandwich.configure(state=NORMAL)

varCheeseSandwich.set("")

elif var6.get() == 0:

txtCheeseSandwich.configure(state=DISABLED)

varCheeseSandwich.set("0")

def g():

if var7.get() == 1:

txtChickenSandwich.configure(state=NORMAL)

varChickenSandwich.set("")

elif var7.get() == 0:

txtChickenSandwich.configure(state=DISABLED)

varChickenSandwich.set("0")

def h():

if var8.get() == 1:

txtMushroomSandwich.configure(state=NORMAL)

varMushroomSandwich.set("")

elif var8.get() == 0:

txtMushroomSandwich.configure(state=DISABLED)

varMushroomSandwich.set("0")

def i():

if var9.get() == 1:

txtChocoBrownie.configure(state=NORMAL)

varChocoBrownie.set("")

elif var9.get() == 0:

txtChocoBrownie.configure(state=DISABLED)

varChocoBrownie.set("0")

def j():

if var10.get() == 1:

txtGulabJamun.configure(state=NORMAL)

varGulabJamun.set("")

elif var10.get() == 0:

txtGulabJamun.configure(state=DISABLED)

varGulabJamun.set("0")

def k():

if var11.get() == 1:

txtBlack\_Forest.configure(state=NORMAL)

varBlack\_Forest.set("")

elif var11.get() == 0:

txtBlack\_Forest.configure(state=DISABLED)

varBlack\_Forest.set("0")

def l():

if var12.get() == 1:

txtRasmalai.configure(state=NORMAL)

varRasmalai.set("")

elif var12.get() == 0:

txtRasmalai.configure(state=DISABLED)

varRasmalai.set("0")

def m():

if var13.get() == 1:

txtJalebi.configure(state=NORMAL)

varJalebi.set("")

elif var13.get() == 0:

txtJalebi.configure(state=DISABLED)

varJalebi.set("0")

def n():

if var14.get() == 1:

txtTea.configure(state=NORMAL)

varTea.set("")

elif var14.get() == 0:

txtTea.configure(state=DISABLED)

varTea.set("0")

def o():

if var15.get() == 1:

txtCola.configure(state=NORMAL)

varCola.set("")

elif var15.get() == 0:

txtCola.configure(state=DISABLED)

varCola.set("0")

def p():

if var16.get() == 1:

txtCoffee.configure(state=NORMAL)

varCoffee.set("")

elif var16.get() == 0:

txtCoffee.configure(state=DISABLED)

varCoffee.set("0")

def q():

if var17.get() == 1:

txtOrange.configure(state=NORMAL)

varOrange.set("")

elif var17.get() == 0:

txtOrange.configure(state=DISABLED)

varOrange.set("0")

def r():

if var18.get() == 1:

txtWater.configure(state=NORMAL)

varWater.set("")

elif var18.get() == 0:

txtWater.configure(state=DISABLED)

varWater.set("0")

def s():

if var19.get() == 1:

txtChocolateShake.configure(state=NORMAL)

varChocolateShake.set("")

elif var19.get() == 0:

txtChocolateShake.configure(state=DISABLED)

varChocolateShake.set("0")

def t():

if var20.get() == 1:

txtVanillaShake.configure(state=NORMAL)

varVanillaShake.set("")

elif var20.get() == 0:

txtVanillaShake.configure(state=DISABLED)

varVanillaShake.set("0")

def u():

if var21.get() == 1:

txtFruitCocktail.configure(state=NORMAL)

varFruitCocktail.set("")

elif var21.get() == 0:

txtFruitCocktail.configure(state=DISABLED)

varFruitCocktail.set("0")

def v():

if var22.get() == 1:

txtOreoKrusher.configure(state=NORMAL)

varOreoKrusher.set("")

elif var22.get() == 0:

txtOreoKrusher.configure(state=DISABLED)

varOreoKrusher.set("0")

# ============================================= FRAME 1 ================================================

lblMeal = Label(f1top,font=("arial",25,'bold'), text="Fast Meal")

lblMeal.grid(row=0, column=0)

Fries = Checkbutton(f1top,text="Fries", variable=var1, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=a)

Fries.grid(row=1, column=0, sticky = W)

txtFries = Entry(f1top,font=("arial", 18, 'bold'), bd=8,textvariable = varFries, width=4, justify="right",

state=DISABLED)

txtFries.grid(row=1, column=1)

Salad = Checkbutton(f1top, text="Salad", variable=var2, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=b)

Salad.grid(row=2, column=0, sticky = W)

txtSalad = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varSalad, width=4, justify="right",

state=DISABLED)

txtSalad.grid(row=2, column=1)

Hamburger = Checkbutton(f1top, text="Hamburger", variable=var3, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'),command=c)

Hamburger.grid(row=3, column=0, sticky = W)

txtHamburger = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varHamburger, width=4,

justify="right",state=DISABLED)

txtHamburger.grid(row=3, column=1)

Pizza = Checkbutton(f1top, text="Pizza", variable=var4, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=d)

Pizza.grid(row=4, column=0, sticky = W)

txtPizza = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varPizza, width=4,

justify="right",state=DISABLED)

txtPizza.grid(row=4, column=1)

ChickenSalad = Checkbutton(f1top, text="Chicken Salad", variable=var5, onvalue=1, offvalue=0,

font=("arial",18, 'bold'), command=e)

ChickenSalad.grid(row=5, column=0, sticky = W)

txtChickenSalad = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varChickenSalad,

width=4, justify="right",state=DISABLED)

txtChickenSalad.grid(row=5, column=1)

lblSpace = Label(f1top,text="\n")

lblSpace.grid(row=6, column=0)

lblSandwich = Label(f1top,font=("arial",25,'bold'), text="Sandwiches")

lblSandwich.grid(row=7, column=0)

CheeseSandwich = Checkbutton(f1top, text="Cheese Sandwich", variable=var6, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=f)

CheeseSandwich.grid(row=8, column=0, sticky = W)

txtCheeseSandwich = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varCheeseSandwich,

width=4, justify="right",state=DISABLED)

txtCheeseSandwich.grid(row=8, column=1)

ChickenSandwich = Checkbutton(f1top, text="Chicken Sandwich", variable=var7, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=g)

ChickenSandwich.grid(row=9, column=0, sticky = W)

txtChickenSandwich = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varChickenSandwich,

width=4, justify="right",state=DISABLED)

txtChickenSandwich.grid(row=9, column=1)

MushroomSandwich = Checkbutton(f1top, text="Mushroom Sandwhich", variable=var8, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=h)

MushroomSandwich.grid(row=10, column=0, sticky = W)

txtMushroomSandwich = Entry(f1top, font=("arial", 18, 'bold'), bd=8, textvariable = varMushroomSandwich,

width=4, justify="right",state=DISABLED)

txtMushroomSandwich.grid(row=10, column=1)

#======================================== Receipt Button ===================================================

btnReceipt=Button(f1bottom,padx=20,pady=2,bd=14,fg="white",bg='red',font=('arial',16,'bold'),

width=16,text="GENERATE RECEIPT",command = Receipt)

btnReceipt.grid(row=0,column=0)

# ====================================== FRAME 2 Top =================================================

lblMeal = Label(f2Top,font=("arial",25,'bold'), text="Desserts")

lblMeal.grid(row=0, column=0)

ChocoBrownie = Checkbutton(f2Top, text="Chocolate Brownie", variable=var9, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=i)

ChocoBrownie.grid(row=1, column=0, sticky = W)

txtChocoBrownie = Entry(f2Top, font=("arial", 18, 'bold'), bd=8, textvariable = varChocoBrownie, width=4,

justify="right",state=DISABLED)

txtChocoBrownie.grid(row=1, column=1)

GulabJamun = Checkbutton(f2Top, text="Hot Gulab Jamun with Icecream", variable=var10, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=j)

GulabJamun.grid(row=2, column=0, sticky = W)

txtGulabJamun = Entry(f2Top, font=("arial", 18, 'bold'), bd=8, textvariable = varGulabJamun, width=4,

justify="right",state=DISABLED)

txtGulabJamun.grid(row=2, column=1)

Black\_Forest = Checkbutton(f2Top, text="Black\_Forest", variable=var11, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=k)

Black\_Forest.grid(row=3, column=0, sticky = W)

txtBlack\_Forest = Entry(f2Top, font=("arial", 18, 'bold'), bd=8, textvariable = varBlack\_Forest, width=4,

justify="right",state=DISABLED)

txtBlack\_Forest.grid(row=3, column=1)

Rasmalai = Checkbutton(f2Top, text="Rasmalai", variable=var12, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=l)

Rasmalai.grid(row=4, column=0, sticky = W)

txtRasmalai = Entry(f2Top, font=("arial", 18, 'bold'), bd=8, textvariable = varRasmalai, width=4, justify="right",

state=DISABLED)

txtRasmalai.grid(row=4, column=1)

Jalebi = Checkbutton(f2Top, text="Jalebi", variable=var13, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=m)

Jalebi.grid(row=5, column=0, sticky = W)

txtJalebi = Entry(f2Top, font=("arial", 18, 'bold'), bd=8, textvariable = varJalebi, width=4, justify="right",

state=DISABLED)

txtJalebi.grid(row=5, column=1)

# ==================================== FRAME 2 BOTTOM ============================================

lblTotal = Label(f2Bottom, font=("arial", 18, 'bold'), text = "Total", bd=10,fg='green',width=16, anchor='e')

lblTotal.grid(row=2,column=1)

txtTotal = Entry(f2Bottom, font=("arial", 18, 'bold'), bd=8, textvariable = varTotal, width=10, justify="right",

state=DISABLED)

txtTotal.grid(row=2, column=2)

lblSGST = Label(f2Bottom, font=("arial", 18, 'bold'), text = "SGST @9%", bd=10, width=16, anchor='e')

lblSGST.grid(row=3,column=1)

txtSGST = Entry(f2Bottom, font=("arial", 18, 'bold'), bd=8, textvariable = varSGST, width=10, justify="right",

state=DISABLED)

txtSGST.grid(row=3, column=2)

lblCGST = Label(f2Bottom, font=("arial", 18, 'bold'), text = "CGST @9%", bd=10, width=16, anchor='e')

lblCGST.grid(row=4,column=1)

txtCGST = Entry(f2Bottom, font=("arial", 18, 'bold'), bd=8, textvariable = varCGST, width=10, justify="right",

state=DISABLED)

txtCGST.grid(row=4, column=2)

lblServiceCharge = Label(f2Bottom, font=("arial", 18, 'bold'), text = "Service Charge @10%", bd=10, width=16,

anchor='e')

lblServiceCharge.grid(row=5,column=1)

txtServiceCharge = Entry(f2Bottom, font=("arial", 18, 'bold'), bd=8, textvariable = varServiceCharge, width=10,

justify="right",state=DISABLED)

txtServiceCharge.grid(row=5, column=2)

#==================================================== BUTTONS ============================================

btnprice=Button(f2Bottom,padx=20,pady=1, bd=14 ,fg="white",bg='blue',font=('arial' ,16,'bold'),width=5,

text="PRICE LIST",command = price\_list)

btnprice.grid(row=2, column=0)

btnTotal = Button(f2Bottom, padx=20, pady=1, bd=14, fg="white",bg='green',font=("arial", 16, 'bold'), width=5,

text="TOTAL", command = TotalCost).grid(row=3, column=0)

btnReset=Button(f2Bottom,padx=20,pady=1,bd=14,fg="white",bg='brown',font=('arial',16,'bold'),width=5,

text="RESET",command=Reset)

btnReset.grid(row=4,column=0)

btnExit=Button(f2Bottom,padx=20,pady=1,bd=14,fg="white",bg='red',font=('arial',16,'bold'),width=5,text="EXIT",

command = iExit)

btnExit.grid(row=5,column=0)

# =================================================== FRAME 3 ===============================================

lblDrinks = Label(f3Top,font=("arial",25,'bold'), text="Drinks")

lblDrinks.grid(row=0, column=0)

Tea = Checkbutton(f3Top, text="Tea", variable=var14, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=n)

Tea.grid(row=1, column=0, sticky = W)

txtTea = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varTea, width=4, justify="right",

state=DISABLED)

txtTea.grid(row=1, column=1)

Cola = Checkbutton(f3Top, text="Cola", variable=var15, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=o)

Cola.grid(row=2, column=0, sticky = W)

txtCola = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varCola, width=4, justify="right",

state=DISABLED)

txtCola.grid(row=2, column=1)

Coffee = Checkbutton(f3Top, text="Coffee", variable=var16, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=p)

Coffee.grid(row=3, column=0, sticky = W)

txtCoffee = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varCoffee, width=4, justify="right",

state=DISABLED)

txtCoffee.grid(row=3, column=1)

Orange = Checkbutton(f3Top, text="Orange Juice", variable=var17, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=q)

Orange.grid(row=4, column=0, sticky = W)

txtOrange = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varOrange, width=4, justify="right",

state=DISABLED)

txtOrange.grid(row=4, column=1)

Water = Checkbutton(f3Top, text="Mineral Water", variable=var18, onvalue=1, offvalue=0, font=("arial", 18, 'bold'),

command=r)

Water.grid(row=5, column=0, sticky = W)

txtWater = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varWater, width=4, justify="right",

state=DISABLED)

txtWater.grid(row=5, column=1)

ChocolateShake = Checkbutton(f3Top, text="Chocolate Shake", variable=var19, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=s)

ChocolateShake.grid(row=8, column=0, sticky = W)

txtChocolateShake = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varChocolateShake, width=4,

justify="right",state=DISABLED)

txtChocolateShake.grid(row=8, column=1)

VanillaShake = Checkbutton(f3Top, text="Vanilla Shake", variable=var20, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=t)

VanillaShake.grid(row=9, column=0, sticky = W)

txtVanillaShake = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varVanillaShake, width=4,

justify="right",state=DISABLED)

txtVanillaShake.grid(row=9, column=1)

FruitCocktail = Checkbutton(f3Top, text="Fruit Cocktail", variable=var20, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=u)

FruitCocktail.grid(row=10, column=0, sticky = W)

txtFruitCocktail = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varFruitCocktail,

width=4, justify="right",state=DISABLED)

txtFruitCocktail.grid(row=10, column=1)

OreoKrusher = Checkbutton(f3Top, text="Oreo Krusher", variable=var21, onvalue=1, offvalue=0,

font=("arial", 18, 'bold'), command=v)

OreoKrusher.grid(row=11, column=0, sticky = W)

txtOreoKrusher = Entry(f3Top, font=("arial", 18, 'bold'), bd=8, textvariable = varOreoKrusher, width=4,

justify="right",state=DISABLED)

txtOreoKrusher.grid(row=11, column=1)

btnPay=Button(f3bottom,padx=20,pady=2,bd=14,fg="white",bg='green',font=('arial',16,'bold'),width=16,text="PAY",

command=Pay)

btnPay.grid(row=0,column=0)

root.state('zoomed')

root.mainloop()

#==================================================== FEED BACK ==================================================================

def feedback():

global feedback1

feed = Tk()

feed.geometry("600x500")

feed.resizable(0,0)

feed.config(bg='Blue')

feed.title("Feedback Form")

bkg = "#636e72"

lb1 = Label(feed, font=("Calisto MT", 15, "bold"), text="Thanks for Visiting!", fg="black").pack(side=TOP)

lbl2 = Label(feed, font=("calisto MT", 15), text="We're glad you chose us ! Please tell us how it was!",

fg="black").pack(side=TOP)

label\_firstname = tk.Label(feed, text="Name: ", font=('verdana',12,'bold'), fg="white", bg=bkg)

entry\_firstname = tk.Entry(feed, font=('verdana',12))

label\_email = tk.Label(feed, text="Email: ", font=('verdana',12,'bold'),fg="white",bg=bkg)

entry\_email = tk.Entry(feed, font=('verdana',12))

label\_comment = tk.Label(feed, font=('verdana', 12,'bold'),text="Any comments,questions or suggestions ?",

fg="white",bg=bkg, bd=10, anchor=W)

entry\_comment = tk.Text(feed, font=('verdana',12), width=50, height=4)

ratelbl = tk.Label(feed, font=('vardana', 12,'bold'), text="How would you rate us 0 to 5 ?",

fg="white",bg=bkg, bd=10, anchor=W).place(x=10, y=185)

entry\_rate = tk.Entry(feed, font=('verdana',12))

def createtable():

con = pym.connect(host="localhost", user="root", password="tiger", database="feedback")

cursor = con.cursor()

tbl="""CREATE TABLE IF NOT EXISTS FEEDBACK(

Name text,

Email text,

Ratings\_from\_0\_to\_5 text,

Comments text)"""

cursor.execute(tbl)

cursor.close()

def insertData():

createtable()

con = pym.connect(host="localhost", user="root", password="tiger", database="feedback")

cursor = con.cursor()

firstname = entry\_firstname.get()

email = entry\_email.get()

rate= entry\_rate.get()

comment = entry\_comment.get('1.0',END)

insert\_query="insert into FEEDBACK values(%s,%s,%s,%s)"

vals = (firstname,email,rate,comment)

cursor.execute(insert\_query,vals)

con.commit()

'''cursor.execute("select \* from feedback")

data=cursor.fetchall()

for i in data :

print(i)

con.close()

print(firstname,email,comment)'''

messagebox.showinfo("Success","Record has been inserted")

feed.destroy()

def Exit():

feed.destroy()

button\_insert = tk.Button(feed, text="Submit", font=('verdana',14), bg='green',fg='white',

command = insertData)

button\_exit = tk.Button(feed, text="Exit", font=('verdana',14), bg='red',fg='white',

command = Exit)

label\_firstname.place(x=10, y=100)

entry\_firstname.place(x=15, y=135)

label\_email.place(x=280, y=100)

entry\_email.place(x=285, y=135)

label\_comment.place(x=10, y=285)

entry\_comment.place(x=15, y=335)

entry\_rate.place(x=10,y=235)

button\_insert.place(x=100, y=440)

button\_exit.place(x=400, y=440)

feed.mainloop()

def About\_us():

home.destroy()

about=Tk()

about.geometry("1100x700+0+0")

about.config(bg='black')

about.resizable(0,0)

Label(about,text='About Us',font='impack 50 bold',bg= 'black',fg='blue').pack(fill=X)

Label(about,text="""Our project Restaurant Billing System generates a bill for customer.

Billing system are an important part of accounting and finance. Our project

also generates QRcode for easy transactions""",

font='impack 14 bold',bg= 'black',fg='white').place(x=300,y=155)

def about\_home():

about.destroy()

Home()

button2= Button(about,text='Home',font='airel 15 bold',bg='blue',fg='white',bd=6,cursor='hand2',

pady=10, width=10, command=about\_home,relief="raise").place(x=950,y=600)

about.mainloop()

def Home():

global home

home=Tk()

home.geometry('1150x650+0+0')

home.title('Restaurant Billing System')

home.config(bg='#ED7014')

home.resizable(0,0)

bg1 = PhotoImage(file = "delhi-restaurants.png")

label1 = Label( home, image = bg1)

label1.place(x = 0, y = 0)

Label(text='Restaurant Billing System',font=('areial',45,'bold')).place(x=250,y=20)

localtime=time.asctime(time.localtime(time.time()))

lblInfo=Label(font=('arial',20,'bold'),text=localtime,bd=10,anchor='w')

lblInfo.place(x=425,y=150)

text= Label(home, text= "")

button= Button(home, text="Place Order",font=('areial',45,'bold'),bg='red',fg='white',

command=Home\_To\_Restaurant,cursor='hand2',relief="raise").place(x=410,y=300)

feedbtn = Button(home, font=('Calibri', 16, 'bold'), text="Feedback Form", fg="white", bg="green",bd=3, padx=10,

cursor='hand2',pady=10, width=10, command=feedback,relief="raise").place(x=100,y=450)

exitbtn = Button(home, font=('Calibri', 16, 'bold'), text="Exit", fg="white", bg="dark red",bd=3, padx=10,

cursor='hand2',pady=10, width=10, command=exit\_,relief="raise").place(x=950,y=450)

aboutbtn = Button(home,text='About Us',font='airel 15 bold',bg='blue',fg='white',bd=6,cursor='hand2',

pady=10, width=10, command=About\_us,relief="raise").place(x=550,y=450)

home.mainloop()

def exit\_():

home.destroy()

def Home\_To\_Restaurant():

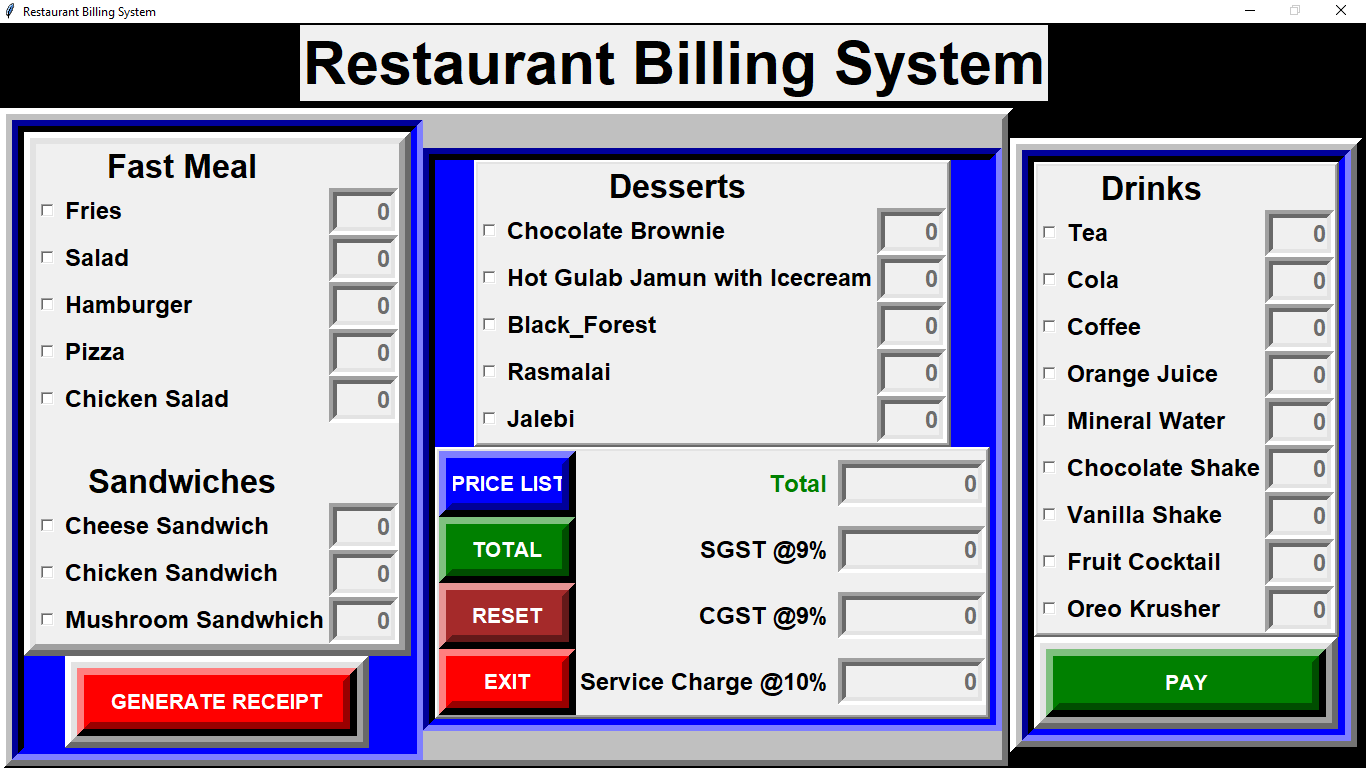
home.destroy()

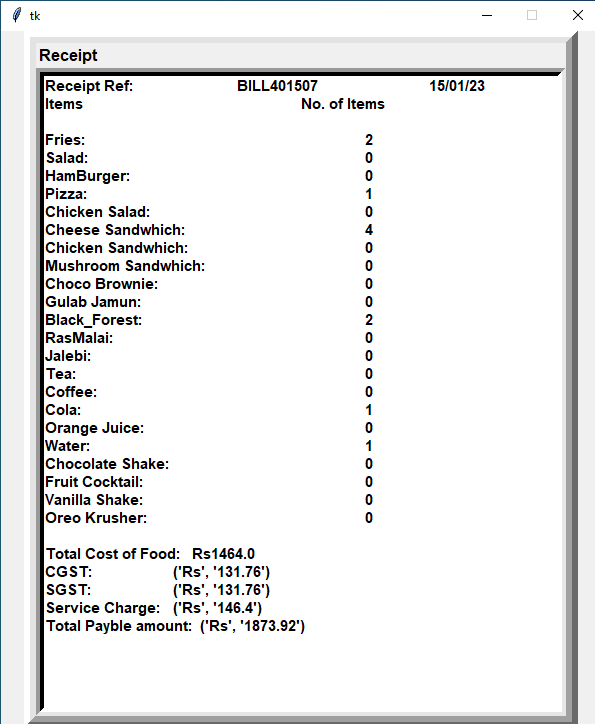
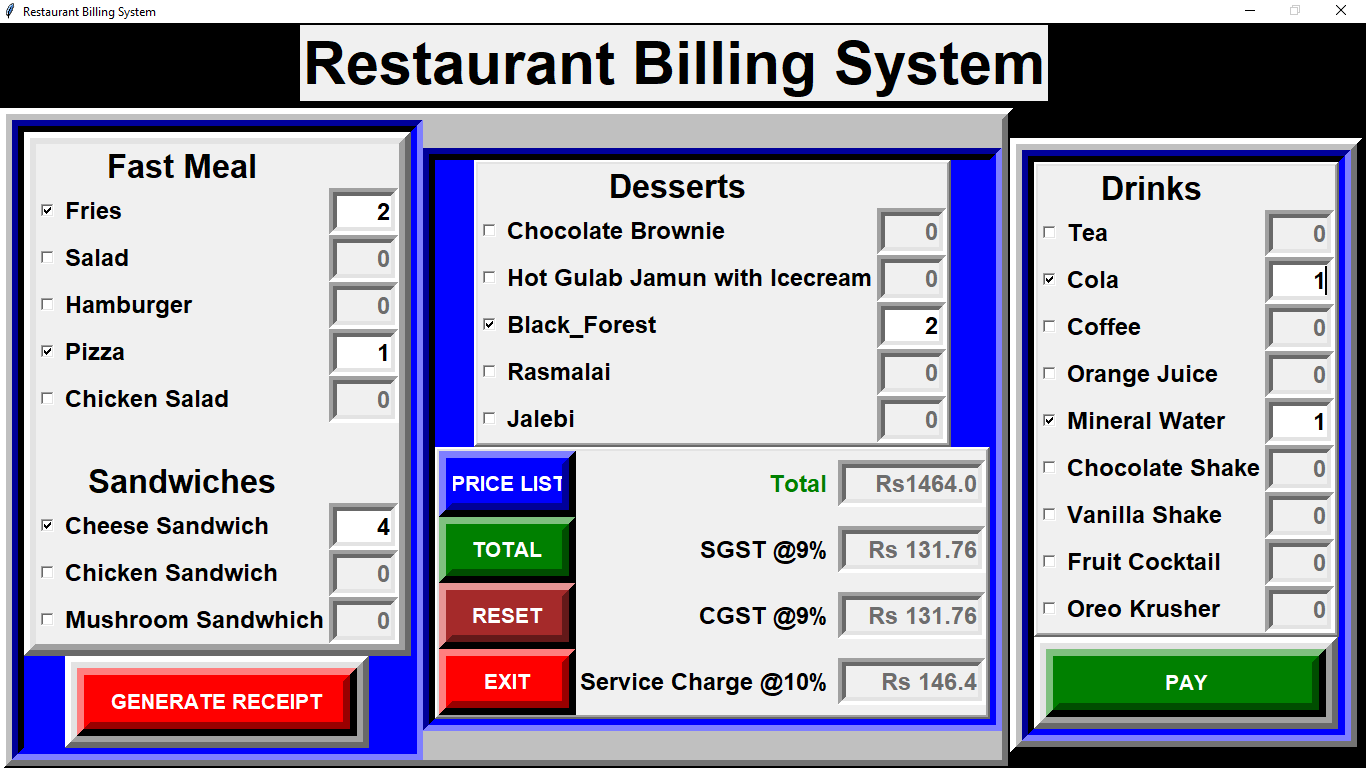
Restaurant()

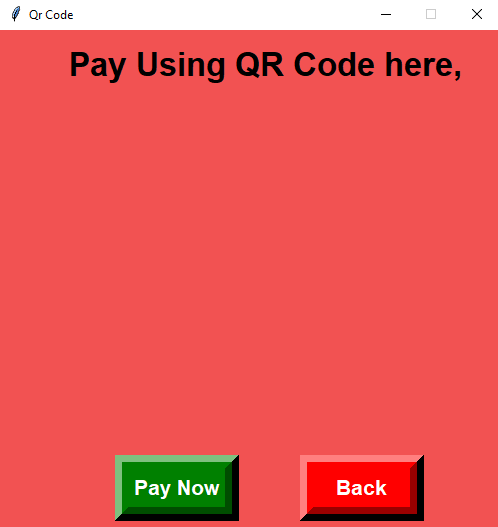
Home()

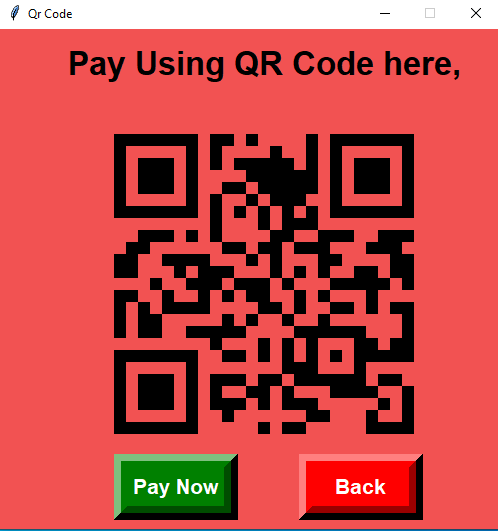
**‘’’ End of Code ‘’’**

**OUTPUT :**

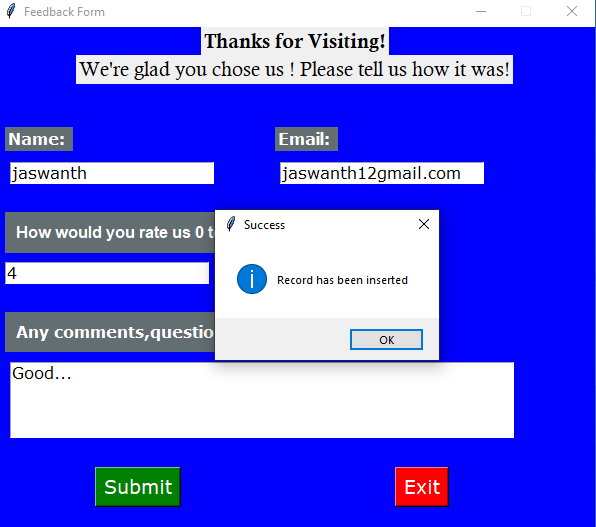


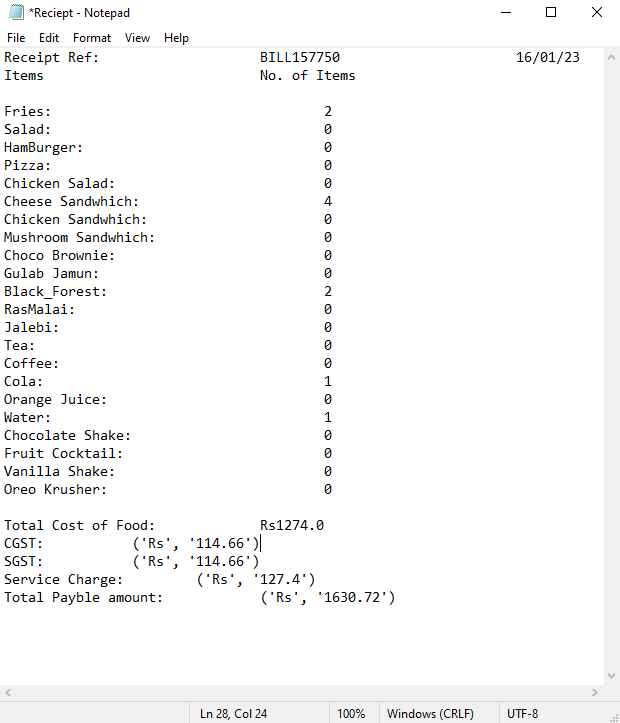


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**Advantages and disadvantages of Restaurant Billing System.**

**Advantages :**

* Reduces material costing that comes with manual billing and filing.
* Effective communication is established without constant personal calls for a reminder of payments.
* Within the touch of your fingers, your software and records can be checked and maintained via mobile devices; even while you are away.
* Helps in avoiding the use of calculators, hence, increasing unnecessary queues.
* Helps in [GST Tax](https://okcredit.in/blog/how-to-calculate-gst/) calculation.

**Disadvantages :**

* It is not cost-effective for small scale business owners.
* Reaching offline customers who do not access the internet makes the process difficult.
* Automatic invoices and management system reduce human mediation, which reduces personal touch for the business.
* Irregularity of updates can lead to hardships and hassles between purchases and credits.

**Limitations:**

1. User can give string input which is invalid data.
2. Receipts which are generated are saved as text files but to navigate each receipt takes a lot of time.
3. If user wants change the menu items. He/ She must change it via manually which is time taking process.

**REQUIREMENTS :**

1. PyCharm 3.2 or IDLE Shell

3.11.0

2. MySQL 8.0

4. Windows 10

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* John Elder (YouTube)

**THANK YOU**