

CS  
Project

### Restaurant Management System

ITEM	PRICE	QUANTITY	TOTAL
Chiken Rice	20		
Beef Rice	25		
Spaghetti	30		
French Fries	15		
Soft Drink	10		
Chocolate Cake	20		
TOTAL		RESET	EXIT

Dr. MANISHA KISHORWARRA

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Dr. MANISHA KISHORWARRA

### Project

```

from tkinter import *
import random

root = Tk()
root.geometry("1600x700")
root.title("Restaurant Management System")

Tops = Frame(root, bg="white", width = 1600, height=50, relief=SUNKEN)
Tops.pack(side=TOP)

f1 = Frame(root, width = 900, height=700, relief=SUNKEN)
f1.pack(side=LEFT)

f2 = Frame(root, width = 400, height=700, relief=SUNKEN)
f2.pack(side=RIGHT)

#-----INFO TOP-----
lblinfo = Label(Tops, font=('arial', 30, 'bold'), text="Restaurant Management System", fg="steel blue", bd=10, anchor="w")
lblinfo.grid(row=0, column=0)

#-----Calculator-----
text_input=StringVar()
operator=""

def btnclick(numbers):
    global operator
    operator=operator + str(numbers)
    text_input.set(operator)

def clrdisplay():
    global operator
    operator=""
    text_input.set("")

def equals():
    global operator

```

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sumup=str(eval(operator))
text_input.set(sumup)
operator=""

```

```

def Ref():
    x=random.randint(12880, 50876)
    randomRef=str(x)
    rand.set(randomRef)
    cof=float(Fries.get())
    colfries=float(Largefries.get())
    cob=float(Burger.get())
    cofi=float(Filet.get())
    cochee=float(Cheese_burger.get())
    codr=float(Drinks.get())
    costoffries=cof*25
    costoflargefries=colfries*40
    costofburger=cob*35
    costoffilet=cofi*50
    costofcheeseburger=cochee*50
    costofdrinks=codr*35

```

```

costofmeal="Rs.",str('%2f'%(costoffries+costoflargefries+costofburger+costoffilet+
costofcheeseburger+costofdrinks))

```

```

PayTax=((costoffries+costoflargefries+costofburger+costoffilet+costofcheeseburger+
costofdrinks)*0.33)

```

```

Totalcost=(costoffries+costoflargefries+costofburger+costoffilet+costofcheeseburger+
costofdrinks)

```

```

Ser_Charge=((costoffries+costoflargefries+costofburger+costoffilet+costofcheeseburger+
costofdrinks)/99)

```

```

Service="Rs.",str('%2f'%Ser_Charge)

```

# Restaurant Management System

Drinks Set	48171	Drinks	Rs. 481.71
Burger Meal	2	Burger	Rs. 470
Large Fries	1	Large Fries	Rs. 133.40
Burger Meal	1	Burger	Rs. 481.71
Drinks Set	1	Drinks	Rs. 481.71
Drinks Set	5	Drinks	Rs. 2408.55

MENU	TOTAL	RESET	EXIT
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By BHAVANA VISHWANATHA

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OverAllCost="Rs.",str( PayTax + Totalcost + Ser_Charge)
PaidTax="Rs.",str('% 2f'% PayTax)
Service_Charge.set(Service)
cost.set(costofmeal)
Tax.set(PaidTax)
Subtotal.set(costofmeal)
Total.set(OverAllCost)

def qexit():
    root.destroy()

def reset():
    rand.set("")
    Fries.set("")
    Largefries.set("")
    Burger.set("")
    Filet.set("")
    Subtotal.set("")
    Total.set("")
    Service_Charge.set("")
    Drinks.set("")
    Tax.set("")
    cost.set("")
    Cheese_burger.set("")

# -----
status = Label(f2,font=('aria', 15, 'bold'),width = 25, text="-By MANISHA VISHWAKARMA",bd=2,relief=SUNKEN)
status.pack(side=BOTTOM)

# -----
rand = StringVar()

```

```

Fries = StringVar()
Largefries = StringVar()
Burger = StringVar()
Filet = StringVar()
Subtotal = StringVar()
Total = StringVar()
Service_Charge = StringVar()
Drinks = StringVar()
Tax = StringVar()
cost = StringVar()
Cheese_burger = StringVar()

lblreference = Label(f1, font=('aria' ,16, 'bold' ),text="Order No.",fg="steel blue",bd=10,anchor='w')
lblreference.grid(row=0,column=0)

:reference = Entry(f1,font=('ariel' ,16,'bold'), textvariable=rand , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
:reference.grid(row=0,column=1)

lblfries = Label(f1, font=('aria' ,16, 'bold' ),text="Fries Meal",fg="steel blue",bd=10,anchor='w')
lblfries.grid(row=1,column=0)

txtfries = Entry(f1,font=('ariel' ,16,'bold'), textvariable=Fries , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtfries.grid(row=1,column=1)

lblLargefries = Label(f1, font=('aria' ,16, 'bold' ),text="Lunch Meal",fg="steel blue",bd=10,anchor='w')
lblLargefries.grid(row=2,column=0)

txtLargefries = Entry(f1,font=('ariel' ,16,'bold'), textvariable=Largefries , bd=6,insertwidth=4,bg="powder blue" ,justify='right')
txtLargefries.grid(row=2,column=1)

lblburger = Label(f1, font=('aria' ,16, 'bold' ),text="Burger Meal",fg="steel blue",bd=10,anchor='w')
lblburger.grid(row=3,column=0)

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txtBurger = Entry(f1, font=('arial', 16, 'bold'), textvariable=Burger, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtBurger.grid(row=3, column=1)
lblFilet = Label(f1, font=('arial', 16, 'bold'), text="Pizza Meal", fg="steel blue", bd=10, anchor='w')
lblFilet.grid(row=4, column=0)
txtFilet = Entry(f1, font=('arial', 16, 'bold'), textvariable=Filet, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtFilet.grid(row=4, column=1)
lblCheese_burger = Label(f1, font=('arial', 16, 'bold'), text="Cheese burger", fg="steel blue", bd=10, anchor='w')
lblCheese_burger.grid(row=5, column=0)
txtCheese_burger = Entry(f1, font=('arial', 16, 'bold'), textvariable=Cheese_burger, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtCheese_burger.grid(row=5, column=1)

#-----
lblDrinks = Label(f1, font=('arial', 16, 'bold'), text="Drinks", fg="steel blue", bd=10, anchor='w')
lblDrinks.grid(row=0, column=2)
txtDrinks = Entry(f1, font=('arial', 16, 'bold'), textvariable=Drinks, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtDrinks.grid(row=0, column=3)
lblCost = Label(f1, font=('arial', 16, 'bold'), text="cost", fg="steel blue", bd=10, anchor='w')
lblCost.grid(row=1, column=2)
txtCost = Entry(f1, font=('arial', 16, 'bold'), textvariable=cost, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtCost.grid(row=1, column=3)
lblService_Charge = Label(f1, font=('arial', 16, 'bold'), text="Service Charge", fg="steel blue", bd=10, anchor='w')
lblService_Charge.grid(row=2, column=2)
txtService_Charge = Entry(f1, font=('arial', 16, 'bold'), textvariable=Service_Charge, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtService_Charge.grid(row=2, column=3)

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lblTax = Label(f1, font=('arial', 16, 'bold'), text="Tax", fg="steel blue", bd=10, anchor='w')
lblTax.grid(row=3, column=2)
txtTax = Entry(f1, font=('arial', 16, 'bold'), textvariable=Tax, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtTax.grid(row=3, column=3)
lblSubtotal = Label(f1, font=('arial', 16, 'bold'), text="Subtotal", fg="steel blue", bd=10, anchor='w')
lblSubtotal.grid(row=4, column=2)
txtSubtotal = Entry(f1, font=('arial', 16, 'bold'), textvariable=Subtotal, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtSubtotal.grid(row=4, column=3)
lblTotal = Label(f1, font=('arial', 16, 'bold'), text="Total", fg="steel blue", bd=10, anchor='w')
lblTotal.grid(row=5, column=2)
txtTotal = Entry(f1, font=('arial', 16, 'bold'), textvariable=Total, bd=6, insertwidth=4, bg="powder blue", justify='right')
txtTotal.grid(row=5, column=3)

#-----buttons-----

lblTotal = Label(f1, text="-----", fg="white")
lblTotal.grid(row=6, columnspan=3)
btnTotal = Button(f1, padx=16, pady=8, bd=10, fg="black", font=('arial', 16, 'bold'), width=10, text="TOTAL", bg="powder blue", command=Ref)
btnTotal.grid(row=7, column=1)
btnReset = Button(f1, padx=16, pady=8, bd=10, fg="black", font=('arial', 16, 'bold'), width=10, text="RESET", bg="powder blue", command=reset)
btnReset.grid(row=7, column=2)
btnExit = Button(f1, padx=16, pady=8, bd=10, fg="black", font=('arial', 16, 'bold'), width=10, text="EXIT", bg="powder blue", command=qexit)
btnExit.grid(row=7, column=3)

def price():
    roo = Tk()
    roo.geometry("600x220+0+0")

```

```

root.title("Price List")

lblinfo = Label(root, font=('aria', 15, 'bold'), text="ITEM", fg="black", bd=5)
lblinfo.grid(row=0, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="_____ ", fg="white", anchor=W)
lblinfo.grid(row=0, column=2)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="PRICE", fg="black", anchor=W)
lblinfo.grid(row=0, column=3)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Fries Meal", fg="steel blue", anchor=W)
lblinfo.grid(row=1, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="25", fg="steel blue", anchor=W)
lblinfo.grid(row=1, column=3)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Lunch Meal", fg="steel blue", anchor=W)
lblinfo.grid(row=2, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="40", fg="steel blue", anchor=W)
lblinfo.grid(row=2, column=3)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Burger Meal", fg="steel blue", anchor=W)
lblinfo.grid(row=3, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="35", fg="steel blue", anchor=W)
lblinfo.grid(row=3, column=3)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Pizza Meal", fg="steel blue", anchor=W)
lblinfo.grid(row=4, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="50", fg="steel blue", anchor=W)
lblinfo.grid(row=4, column=3)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Cheese Burger", fg="steel blue", anchor=W)
lblinfo.grid(row=5, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="30", fg="steel blue", anchor=W)
lblinfo.grid(row=5, column=3)

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```

lblinfo = Label(root, font=('aria', 15, 'bold'), text="Drinks", fg="steel blue", anchor=W)
lblinfo.grid(row=6, column=0)

lblinfo = Label(root, font=('aria', 15, 'bold'), text="35", fg="steel blue", anchor=W)
lblinfo.grid(row=6, column=3)

root.mainloop()

btnprice=Button(f1,padx=16,pady=8,bd=10,fg="black",font=('arial',16,'bold'),width=10,
text="MENU",bg="powder blue",command=price)

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

root.mainloop()

```