**SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY**

Python project report

**On**

**RESTAURANT BILLING SYSTEM**

**Submitted**

**In partial fulfilment of the requirement for the award of the Degree of**

**INFORMATION TECHNOLOGY**

By

**BACHELOR OF TECHNOLOGY**

**CH PAVAN KUMAR(18311A12K2)**

**N S SIDDHARTH(18311A12N0)**

**M PRANAY(18311A12M4)**

**UNDER THE SUPERVISION OF**

**SHANTHI MAM**

**Assistant Professor ,**

**IT Department**

**ABSTRACT**

“RESTAURANT BILLING SYSTEM" has been proposed to be implemented to replace the manual system The main aim of this project is computerization of all processes which happens in the Restaurant. It is a database system for creating a selective retrieval of information, for subsequent analysis, manipulation and application

Restaurant Bill Management System is developed using Python. While using this billing management system, you can easily calculate total bill of the customer. Moreover, the total bill is calculated including service charges and state tax.

All you need to do is just fill up the blank boxes with item quantities and click on total button. The program will display your total bill.

This simple program can be used in restaurants, cafe and food truck for calculating bills in a short period of time and it’s not time consuming.  It’s easy to operate and understand by users. There is no any error and warning contents in the project. The design is so simple that user won’t find it difficult to use and navigate.

Now bill of the order will be prepared according to the items selected and further needs to shown to the user. Here tax calculation is also considered and then this is passed to total calculation and then bill according to the all is shown to the user and then payment part comes.

And atlast the customer can play a game to get discount.If a customer gets a odd number when he rolls a dice he will get 25 percent discount on the total Bill

**PROGRAM:**

from tkinter import \*

from array import \*

from tkinter import messagebox

w=Tk()

ca=array('l',[100,120,150,170,200,300])

ba=array('i',[0,0,0,0,0,0])

w.title("python project")

l1=Label(w,text="The Continental",bg="RED",font=("Algerian",23)).place(x=500,y=10)

def veg():

l4=Label(w,text="veg Manchuria 100/-",font=("Calibri",15)).place(x=10,y=270)

l5=Label(w,text="paneer Tikka 120/-",font=("Calibri",15)).place(x=10,y=310)

l6=Label(w,text="veg biryani 200/-",font=("Calibri",15)).place(x=10,y=350)

l22=Label(w,text=" ").place(x=10,y=395)

l23=Label(w,text=" ").place(x=10,y=435)

l24=Label(w,text=" ").place(x=10,y=475)

def nonveg():

l25=Label(w,text=" ").place(x=10,y=275)

l26=Label(w,text=" ").place(x=10,y=315)

l27=Label(w,text=" ").place(x=10,y=355)

l7=Label(w,text="chicken 65 150/-",font=("Calibri",15)).place(x=10,y=390)

l8=Label(w,text="chilli chicken 170/-",font=("Calibri",15)).place(x=10,y=430)

l9=Label(w,text="chicken biryani 300/-",font=("Calibri",15)).place(x=10,y=470)

def all():

l10=Label(w,text="veg Manchuria 100/-",font=("Calibri",15)).place(x=10,y=270)

l11=Label(w,text="paneer Tikka 120/-",font=("Calibri",15)).place(x=10,y=310)

l12=Label(w,text="veg biryani 200/-",font=("Calibri",15)).place(x=10,y=350)

l13=Label(w,text="chicken 65 150/-",font=("Calibri",15)).place(x=10,y=390)

l14=Label(w,text="chilli chicken 170/-",font=("Calibri",15)).place(x=10,y=430)

l15=Label(w,text="chicken biryani 300/-",font=("Calibri",15)).place(x=10,y=470)

def roll():

global sp\_no

global p

global m

if(sp\_no>1):

messagebox.showerror("Error","You can roll only once")

else:

import random

r23=random.randint(1,6)

l43=Label(m,text=r23,font=100).place(x=50,y=100)

if(r23%2==0):

l44=Label(m,text="Ah! Bad Luck",font=("Calibri",16)).place(x=150,y=95)

l46=Label(m,text="Your final bill is:"+str(p)).place(x=70,y=250)

sp\_no=2

else:

ub=Label(m,text="upgraded bill",font=("Calibri",21)).place(x=70,y=250)

l45=Label(m,text=p-(25\*p)/100,font=150).place(x=280,y=260)

sp\_no=2

def luck():

global p

global m

m=Tk()

m.title("wait and watch")

l40=Label(m,text="roll the dice and get 25% off if the number is odd",font=("Calibri",15)).place(x=30,y=50)

b4=Button(m,text="Roll",height=1,width=4,font=("Calibri",18),bg="green",command=roll).place(x=500,y=50)

def button():

global p

s=Tk()

s.title("Bill")

l16=Label(s,text="Item",font=("Calibri",15)).place(x=10,y=10)

l17=Label(s,text="price",font=("Calibri",15)).place(x=190,y=10)

l18=Label(s,text="quantity",font=("Calibri",15)).place(x=360,y=10)

l19=Label(s,text="q\*p",font=("Calibri",15)).place(x=570,y=10)

if(e1.get()!=""):

l22=Label(s,text="veg manchuria",font=("Calibri",15)).place(x=10,y=50)

l28=Label(s,text=ca[0]).place(x=200,y=60)

l29=Label(s,text=int(e1.get())).place(x=400,y=60)

ba1=Label(s,text=(ca[0]\*int(e1.get()))).place(x=585,y=50)

ba[0]=ca[0]\*int(e1.get())

if(e2.get()!=""):

l23=Label(s,text="paneer Tikka",font=("Calibri",15)).place(x=10,y=100)

l30=Label(s,text=ca[1]).place(x=200,y=100)

l31=Label(s,text=int(e2.get())).place(x=400,y=100)

ba2=Label(s,text=(ca[1]\*int(e2.get()))).place(x=585,y=100)

ba[1]=ca[1]\*int(e2.get())

if(e3.get()!=""):

l24=Label(s,text="veg Biryani",font=("Calibri",15)).place(x=10,y=150)

l32=Label(s,text=ca[2]).place(x=200,y=150)

l33=Label(s,text=int(e3.get())).place(x=400,y=150)

ba3=Label(s,text=(ca[2]\*int(e3.get()))).place(x=585,y=150)

ba[2]=ca[2]\*int(e3.get())

if(e4.get()!=""):

l25=Label(s,text="chicken 65",font=("Calibri",15)).place(x=10,y=200)

l34=Label(s,text=ca[3]).place(x=200,y=200)

l35=Label(s,text=int(e4.get())).place(x=400,y=200)

ba4=Label(s,text=(ca[3]\*int(e4.get()))).place(x=585,y=200)

ba[3]=ca[3]\*int(e4.get())

if(e5.get()!=""):

l26=Label(s,text="chilli chicken",font=("Calibri",15)).place(x=10,y=250)

l36=Label(s,text=ca[4]).place(x=200,y=250)

l37=Label(s,text=int(e5.get())).place(x=400,y=250)

ba5=Label(s,text=(ca[4]\*int(e5.get()))).place(x=585,y=250)

ba[4]=ca[4]\*int(e5.get())

if(e6.get()!=""):

l27=Label(s,text="Chicken Biryani",font=("Calibri",15)).place(x=10,y=300)

l38=Label(s,text=ca[5]).place(x=200,y=300)

l39=Label(s,text=int(e6.get())).place(x=400,y=300)

ba6=Label(s,text=(ca[5]\*int(e6.get()))).place(x=585,y=300)

ba[5]=ca[5]\*int(e6.get())

p=ba[0]+ba[1]+ba[2]+ba[3]+ba[4]+ba[5]

pay=Label(s,text="Your bill",font=("Calibri",20)).place(x=350,y=400)

bill=Label(s,text=p,font=("Calibri",22)).place(x=550,y=400)

b2=Button(s,text="want to try your luck?",height=1,width=30,bg="Yellow",command=luck).place(x=400,y=550)

r1=Radiobutton(w,text="veg",value=1,font=("Calibri",14),command=veg).place(x=350,y=100)

r2=Radiobutton(w,text="non veg",value=2,font=("Calibri",14),command=nonveg).place(x=450,y=100)

r3=Radiobutton(w,text="all",value=3,font=("Calibri",14),command=all).place(x=580,y=100)

e1=Entry(w)

e1.place(x=250,y=270)

e2=Entry(w)

e2.place(x=250,y=310)

e3=Entry(w)

e3.place(x=250,y=350)

e4=Entry(w)

e4.place(x=250,y=390)

e5=Entry(w)

e5.place(x=250,y=430)

e6=Entry(w)

e6.place(x=250,y=470)

sp\_no=1

p=0

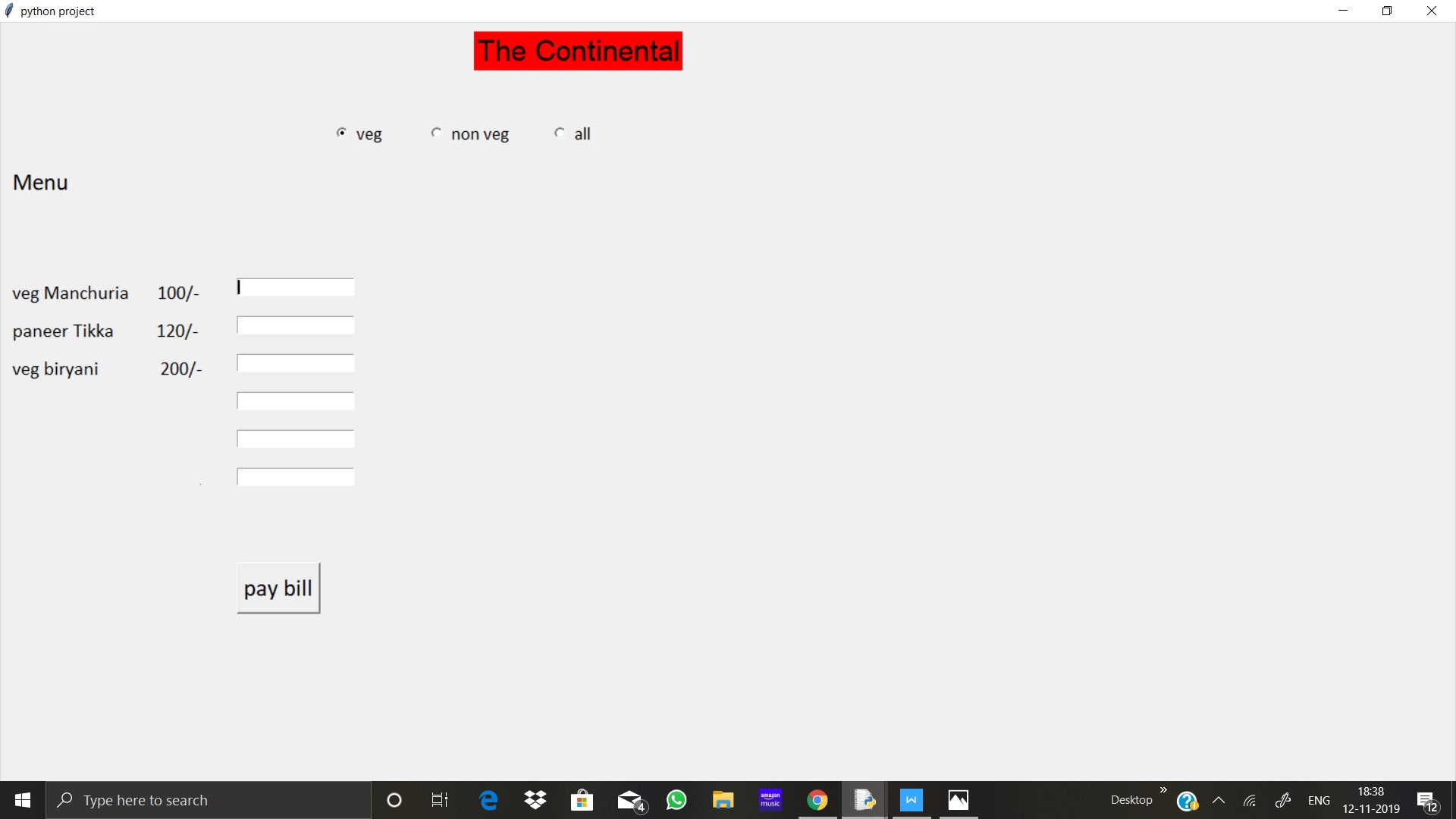
m=None

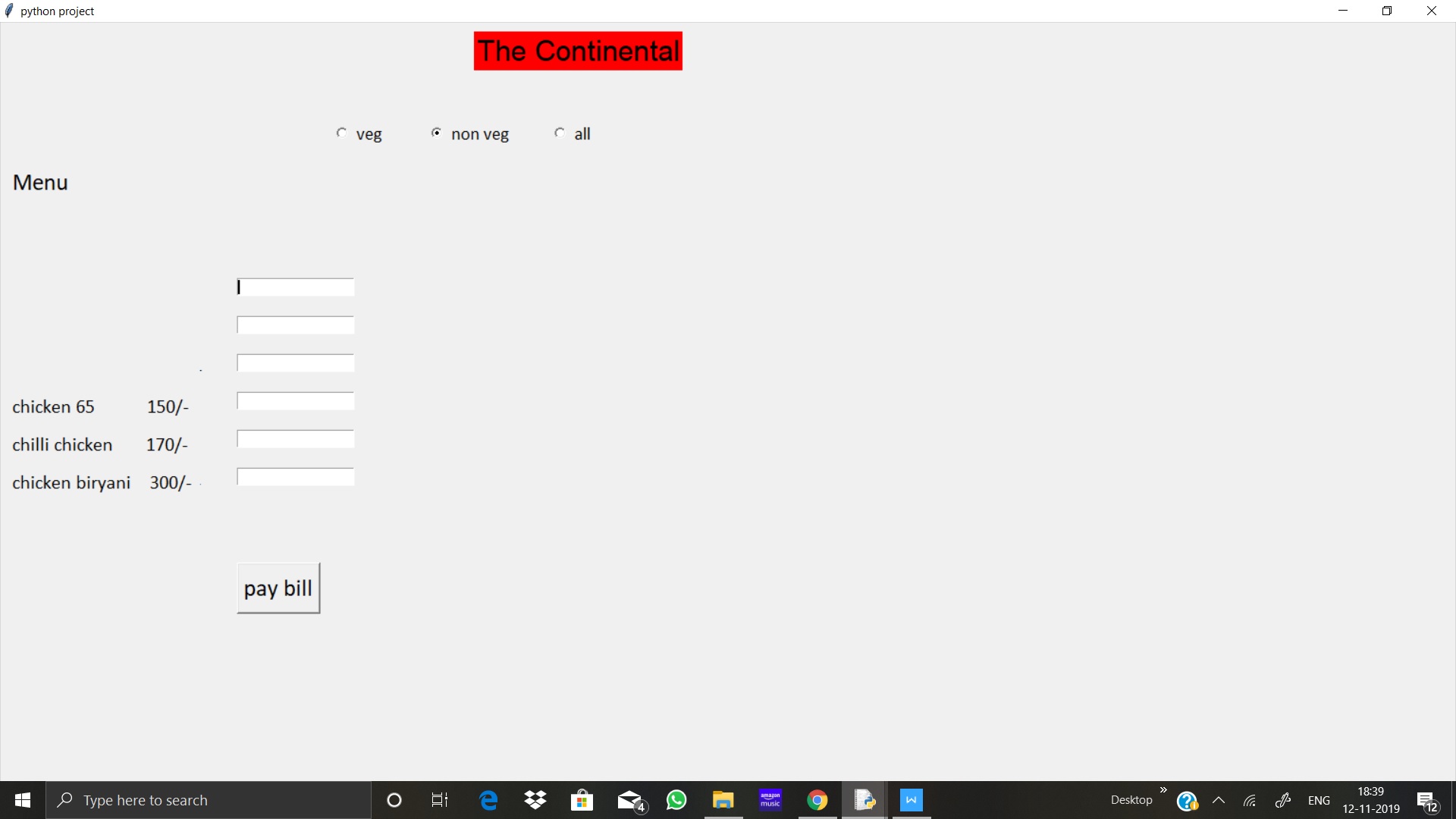
b1=Button(w,text="pay bill",height=1,width=6,font=("Calibri",19),command=button).place(x=250,y=570)

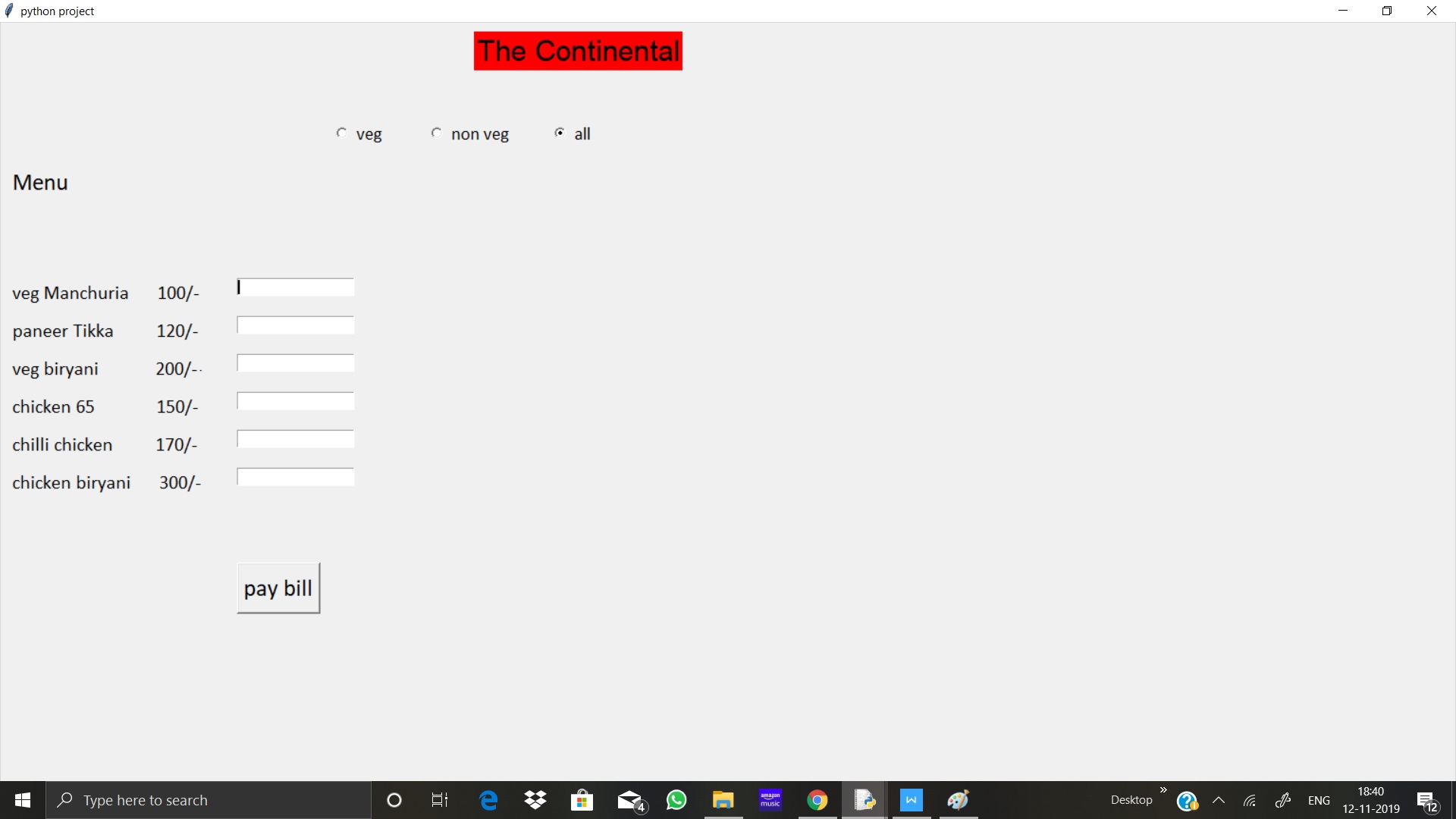
l2=Label(w,text="Menu",font=("Calibri",19)).place(x=10,y=150)

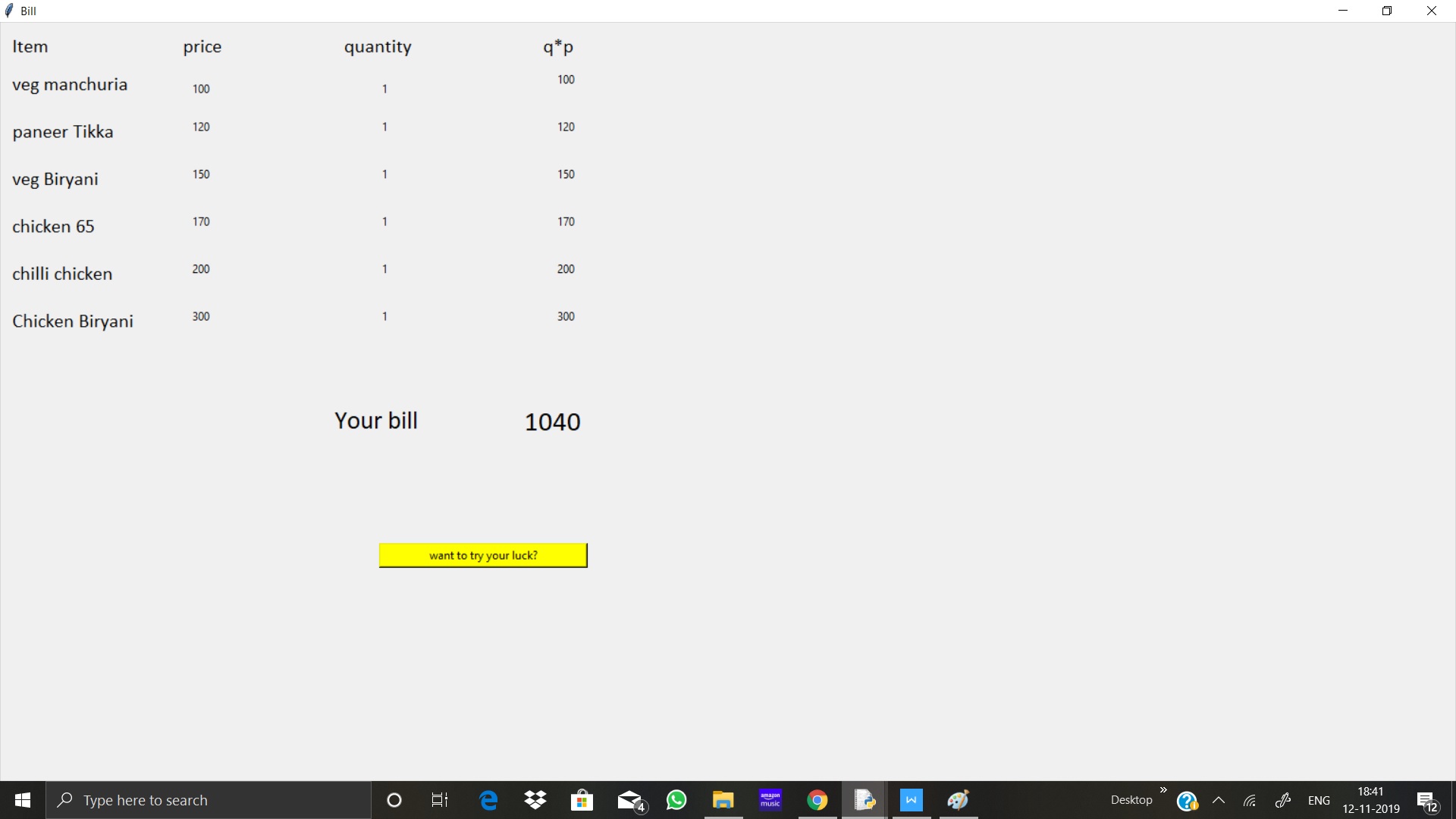
w.mainloop()

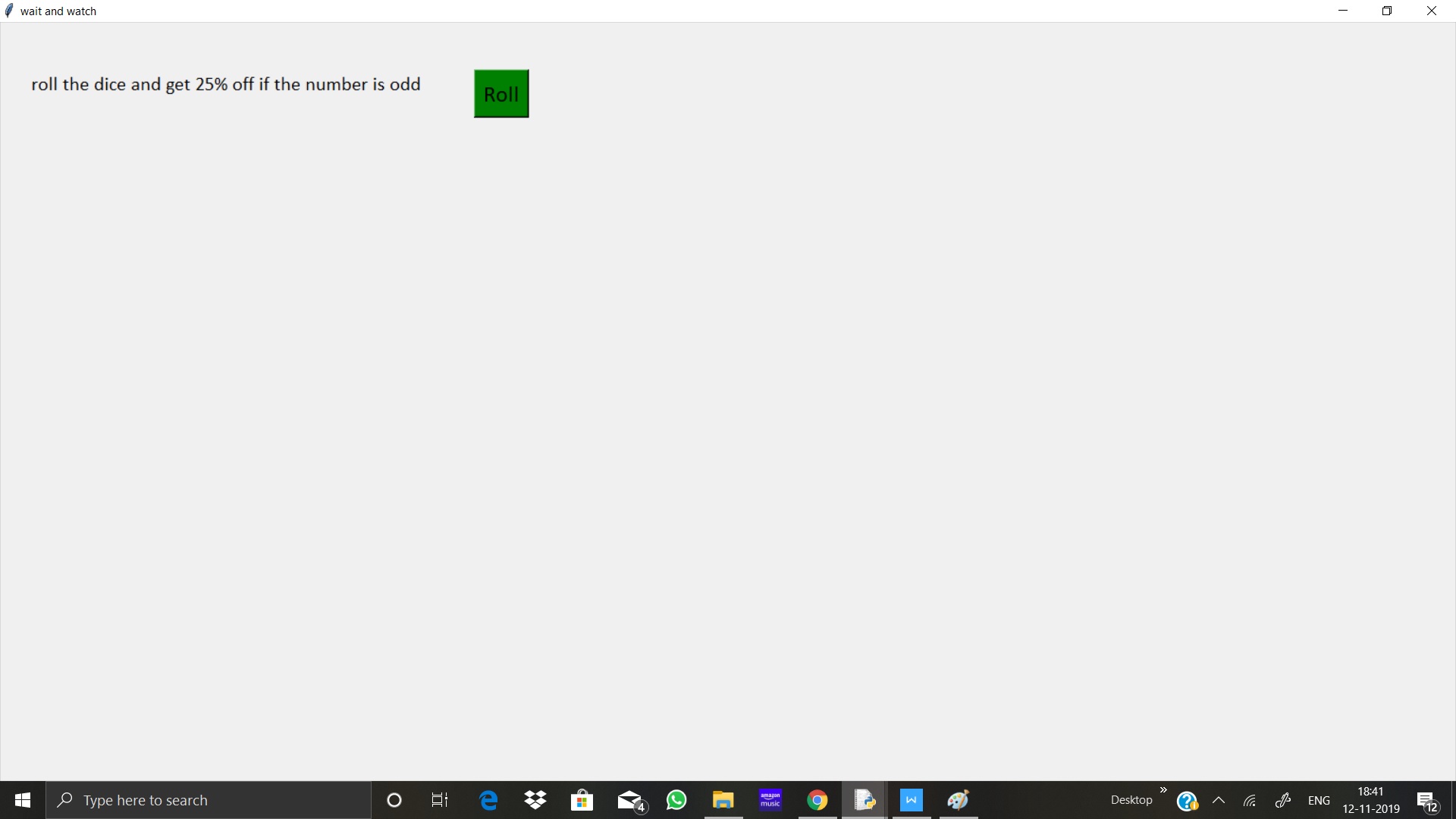
**OUTPUT**

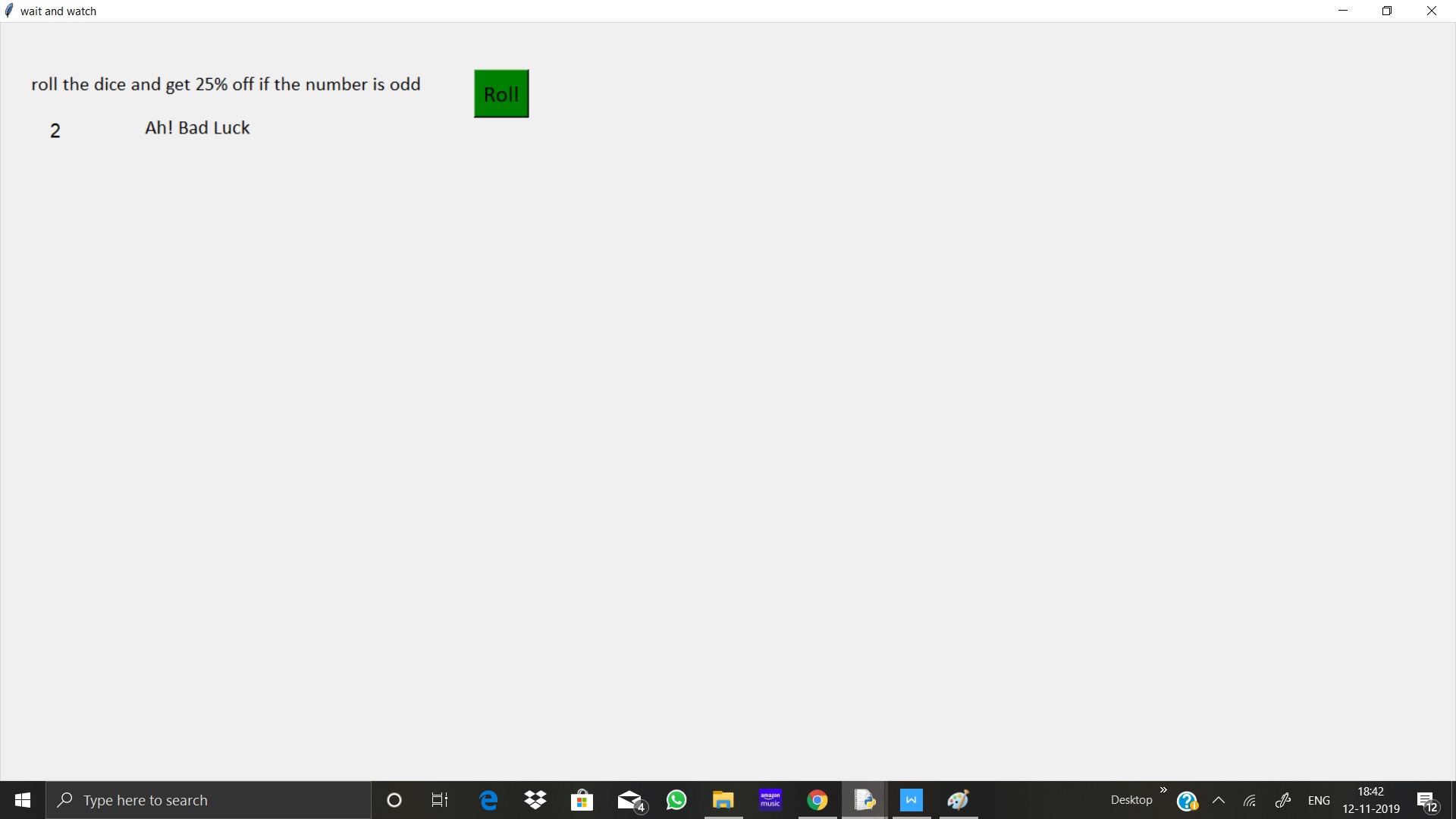
****

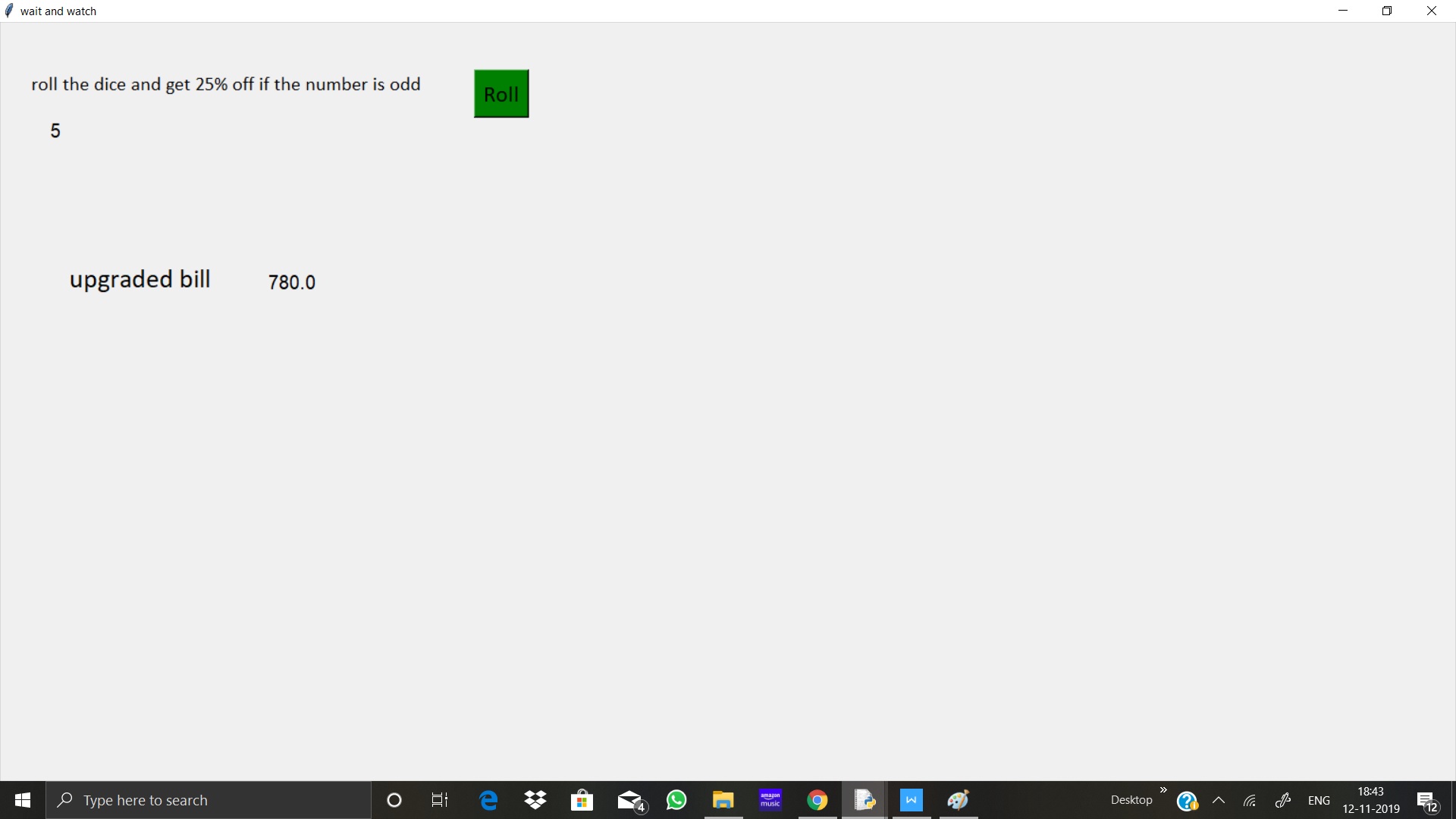
****

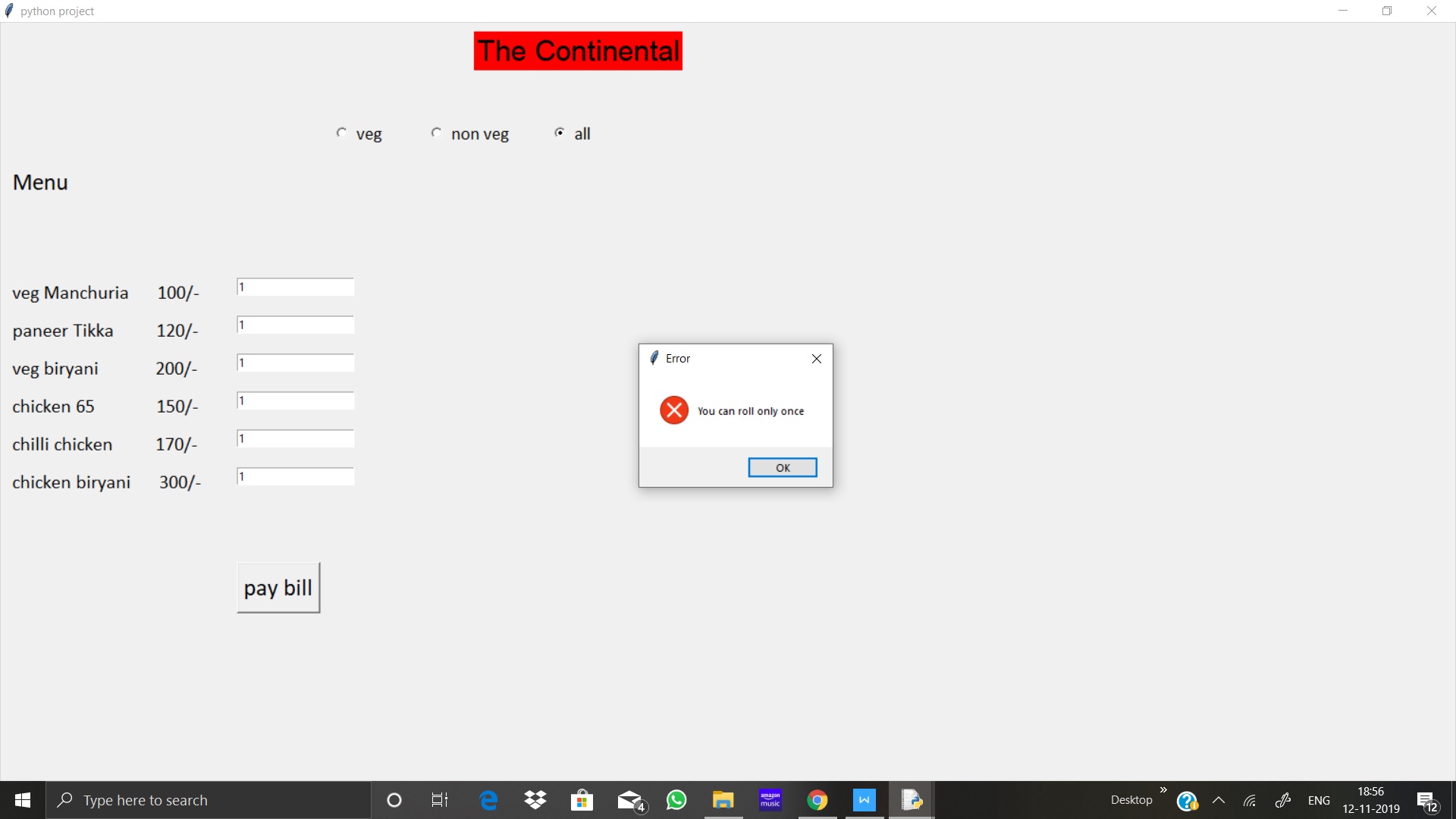
****

****

****

****

****

****