"""

Author: Adefemi Adegite

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Assignment: Module005 programing Exercise 7-5

"""

#importing the packages

import tkinter as tk

from tkinter import \*

from tkinter import messagebox

from PIL import ImageTk, Image

#creating the root window

root=tk.Tk()

root.minsize(700,500)#setting the size of the

#main window

root.title("Tasty Pizza")#title of the window

#opening 1st image file

image1 = Image.open("H:\\picture\\pizza1.png")

#resizing the image

image1 = image1.resize((150, 150), Image.ANTIALIAS)

test = ImageTk.PhotoImage(image1)

#opening 2nd image file

image2 = Image.open("H:\\picture\\pizza2.png")

#resizing the image

image2 = image2.resize((150, 150), Image.ANTIALIAS)

test2 = ImageTk.PhotoImage(image2)

#setting 1st image in label l3

l3=tk.Label(root,image=test)

l3.place(x=50,y=10)#position the label

#setting 2nd image in label l4

l4=tk.Label(root,image=test2)

l4.place(x=350,y=10)#position the label

#displaying a menu for pizza using a label with font and size of text

l5=tk.Label(root,text="Pizza: Beef pizza, Chicken pizza, Pork pizza",font=("Arial", 15))

l5.place(x=50,y=200)

#displaying a menu for hot dog

l6=tk.Label(root,text="Hot dog: Beef hot dog, Pork hot dog, Turkey hot dog",font=("Arial", 15))

l6.place(x=50,y=230)

l1=tk.Label(root, text="Enter pizza names(using comma)",font=("Arial", 15))

l1.place(x=50,y=280)

#entry box with font and size

t1=tk.Entry(root,font=("Arial", 15))

t1.place(x=380,y=280)#position of entry box

l2=tk.Label(root,text="Enter hot dog names(using comma)",font=("Arial", 15))

l2.place(x=50,y=310)

t2=tk.Entry(root,font=("Arial", 15))

t2.place(x=380,y=310)

#function to calculate price of pizza and hot

# dog separately

def calc():

s1=t1.get()#taking all the contents from 1st entry

s2=t2.get()#taking all the contents from 2nd entry

pizza=s1.split(sep=',')#separating each item from s1

hotdog=s2.split(sep=',')#separating each item from s1

len1=len(pizza)#finding the length(number of items or pizza)

len2=len(hotdog)#finding the length(number of items or hot dogs)

priceOfPizza=len1\*8.99#multiplying number of pizza with price of 1

priceOfHotdog=len2\*1.99#multiplying number of hot dogs with price of 1

#displaying in a message box

s='price of pizza : {} price of hot dog : {}'.format(priceOfPizza,priceOfHotdog)

messagebox.showinfo('price of pizza and hot dog',s)

#returning price of pizza ,hot dog ,list of pizza names and hot dog names

return priceOfPizza,priceOfHotdog,pizza,hotdog

def total():

#collecting price of pizzas, hot dogs and names of pizza and hot dogs

pr\_pizza,pr\_hotdog,pizza,hotdog=calc()

total=pr\_pizza+pr\_hotdog#finding total price

s='Total price : {:5.2f}'.format(total)

child\_w= Toplevel(root)#creating another window

child\_w.geometry("350x350")#size of child window

child\_w.grid\_location(x=300,y=300)#location of child window

child\_w.title("total price") #title of the window

#creating label widgets

label\_child= Label(child\_w, text= s, font=('Helvetica 15'))

label\_child.place(x=20,y=50)#positioning the label

l2= Label(child\_w, text="you have ordered", font=('Helvetica 15'))

l2.place(x=20,y=100)#positioning the label

s2=' '.join(pizza)+" "+' '.join(hotdog)

l3= Label(child\_w, text=s2, font=('Helvetica 15'))

l3.place(x=20,y=150)#positioning the label

#creating the buttons

#click this button to calculate price of pizza and

# hot dog separately

b1 = tk.Button(root,text="calculate price of pizza and hot dog",command=calc,font=("Arial", 15))

b1.place(x=100,y=380)

#click this button to calculate total price of pizza and

# hot dog

b2 = tk.Button(root,text="calculate total price",command=total,font=("Arial", 15))

b2.place(x=100,y=420)

#click this button to exit from the program

b3 = tk.Button(root,text="exit",command=root.destroy,font=("Arial", 15))

b3.place(x=100,y=460)

#starting the main window

root.mainloop()