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from tkinter import *
from PIL import Image, ImageTk

class TkInterEx:
    @staticmethod
    def quit_app(event=None):
        root.quit()

    #New LIST function being added lb is listbox our listbox widget is called lb_widget
    def on_fav_food(self,event=None):
        lb_widget = event.widget
        index = int(lb_widget.curselection()[0])
        lb_value = lb_widget.get(index)
        #change the labels value during runtime with user selected value
        self.fav_food_label['text'] = "I'll get you some " + lb_value

    def __init__(self,root):
        root.title("Menu Bars")
        menubar = Menu(root)
        file_menu = Menu(root,tearoff=0)
        #menu drop down options
        file_menu.add_command(label="Open")
        file_menu.add_command(label="Save")
        file_menu.add_command(label="Exit",command=self.quit_app)
        #add drop down menu options file

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menubar.add_cascade(label="File", menu=file_menu)
#bd defines border width
toolbar = Frame(root, bd=1, relief=RAISED)
open_img = Image.open("C:/Users/bonnie/Downloads/BanasPython/FileOpen.JPG")
save_img = Image.open("C:/Users/bonnie/Downloads/BanasPython/FileSave.JPG")
exit_img = Image.open("C:/Users/bonnie/Downloads/BanasPython/FileExit.JPG")

open_icon = ImageTk.PhotoImage(open_img)
save_icon = ImageTk.PhotoImage(save_img)
exit_icon = ImageTk.PhotoImage(exit_img)

#create buttons for a tool bar
open_button = Button(toolbar, image=open_icon)
save_button = Button(toolbar, image=save_icon)
exit_button = Button(toolbar, image=exit_icon, command=self.quit_app)

open_button.image = open_icon
save_button.image = save_icon
exit_button.image = exit_icon

open_button.pack(side=LEFT)
save_button.pack(side=LEFT)
exit_button.pack(side=LEFT)

toolbar.pack(side=TOP)
root.config(menu=menubar)

#label box lb and label frames a frame with a label
lb_frame = LabelFrame(root, text="This is a frame with a label")
self.fav_food_label = Label(lb_frame, text="what is your fav food?")
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self.fav_food_label.pack()
list_box = Listbox(lb_frame)
#options
list_box.insert(1, "Broccoli")
list_box.insert(2, "Spinach")
list_box.insert(3, "Pizza")
list_box.insert(4, "Burgers")
list_box.bind('<<ListboxSelect>>', self.on_fav_food)
list_box.pack()
lb_frame.pack()
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#spin box
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sb_frame = Frame(root)
quantity_label = Label(sb_frame, text="How many do you want?")
quantity_label.pack()
spin_box = Spinbox(sb_frame, from_=1, to=5)
spin_box.pack()
extras_label = Label(sb_frame, text="Add On Item")
extras_label.pack()
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#custom item spinbox
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extras_spin_box = Spinbox(sb_frame, values=('French Fries', 'Onion Rings', 'Hollandais Sauce', 'Biscuits'))
extras_spin_box.pack()
sb_frame.pack()
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root = Tk()
root.geometry("500x400")
app = TkInterEx(root)
root.mainloop()
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