

CODESOFT INTERNSHIP

Project title:TODOLIST

Source code:

```
#importing packages
from tkinter import *
import tkinter.messagebox

#function to enter the task in the Listbox
def entertask():

    #A new window to pop up to take input
    input_text=""

    def add():
        input_text=entry_task.get(1.0, "end-1c")
        if input_text=="":
            tkinter.messagebox.showwarning(title="Warning!",message="Please Enter some Text")
        else:
            listbox_task.insert(END,input_text)

            #close the root1 window
            root1.destroy()

    root1=Tk()
    root1.title("Add task")
    entry_task=Text(root1,width=40,height=4)
    entry_task.pack()
    button_temp=Button(root1,text="Add task",command=add)
    button_temp.pack()
    root1.mainloop()


#function to facilitate the delete task from the Listbox
def deletetask():
```

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#selects the selected item and then deletes it
selected=listbox_task.curselection()

listbox_task.delete(selected[0])
#Executes this to mark completed

def markcompleted():
    marked=listbox_task.curselection()
    temp=marked[0]
    #store the text of selected item in a string
    temp_marked=listbox_task.get(marked)
    #update it
    temp_marked=temp_marked+" ✓"
    #delete it then insert it
    listbox_task.delete(temp)
    listbox_task.insert(temp,temp_marked)

#creating the initial window
window=Tk()
#giving a title
window.title("DataFlair To_Do_APP")

#Frame widget to hold the listbox and the scrollbar
frame_task=Frame(window)
frame_task.pack()

#to hold items in a listbox
listbox_task=Listbox(frame_task,bg="white",fg="purple",height=15,width=50,font = "Arial")
listbox_task.pack(side=tkinter.LEFT)

#Scrollbar in case the total list exceeds the size of the given window
scrollbar_task=Scrollbar(frame_task)
scrollbar_task.pack(side=tkinter.RIGHT,fill=tkinter.Y)

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listbox_task.config(yscrollcommand=scrollbar_task.set)
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scrollbar_task.config(command=listbox_task.yview)
```

```
#Button widget
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entry_button=Button(window,text="Add task",width=50,command=entertask)
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entry_button.pack(pady=3)
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```
delete_button=Button(window,text="Delete selected task",width=50,command=deletetask)
```

```
delete_button.pack(pady=3)
```

```
mark_button=Button(window,text="Mark as completed ",width=50,command=markcompleted)
```

```
mark_button.pack(pady=3)
```

```
window.mainloop()
```

Github Link: <https://github.com/gharish-dev/Codsoft/commit/150d0b810199b605ded72868791fa69353640ee5>