
PROJECT TOPIC: Keylogger Defender

Specialization: CSE

Project Group Members:

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Objective: The purpose is to develop a cybersecurity tool that detects keylogger infections by simulating keylogging activity using .NET, receiving logs via a Python Flask server, and analysing them through a Python GUI. The system monitors keystrokes and external IP communication, generating alerts upon detecting suspicious activity, thus providing real-time defense and understanding of malware behaviour.

Tools required:

➤ **Hardware Requirements:**

- Windows Based System
- Internet Connection for communication

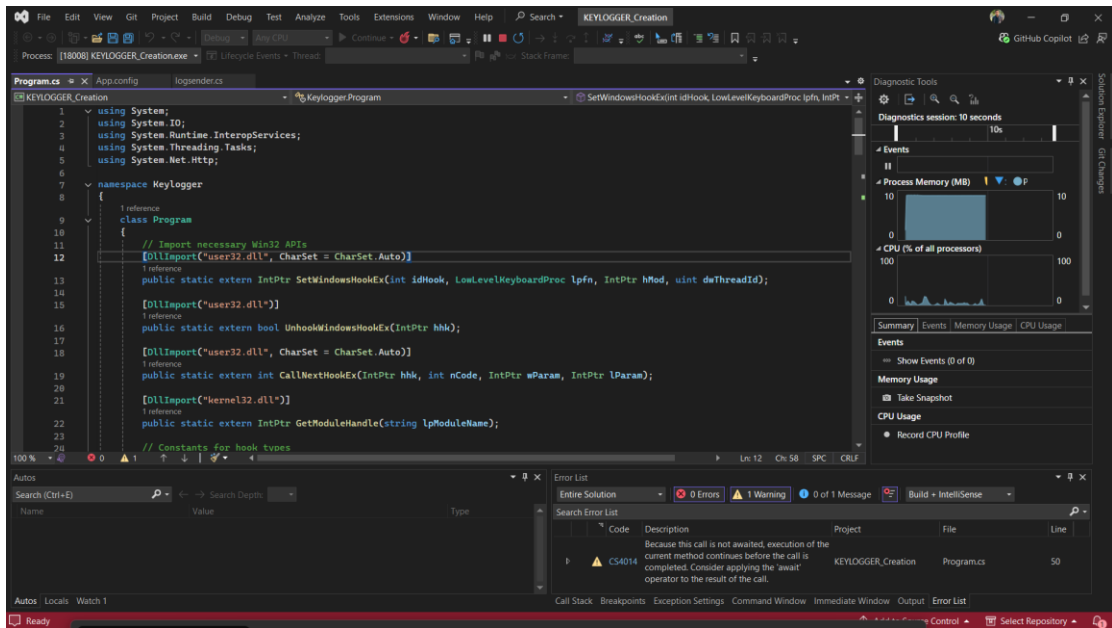
➤ **Software Requirements:**

- Visual Studio (.NET Framework - C#)
- Flask (Python Framework)
- Tkinter (GUI)
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Abstract: The “Keylogger Defender Tool” is a cybersecurity-focused project aimed at simulating keylogger activity and developing an intelligent detection mechanism. The system consists of three core modules – a keylogger developed in C# which captures keystrokes and transmits them to a server; a Flask-based server that receives and stores logs; and a Python GUI that displays incoming logs and performs detection of malicious behavior based on external communication. This project demonstrates a complete attack-defense cycle, highlighting how malware behaves and how it can be traced and blocked using real-time monitoring and alerts.

Outcome:

- Successfully built a functioning keylogger in .NET



- Flask Server Console receiving files

