

# Jaslan Keylogger Design Document

Our keylogger will work on the Windows Operating System.

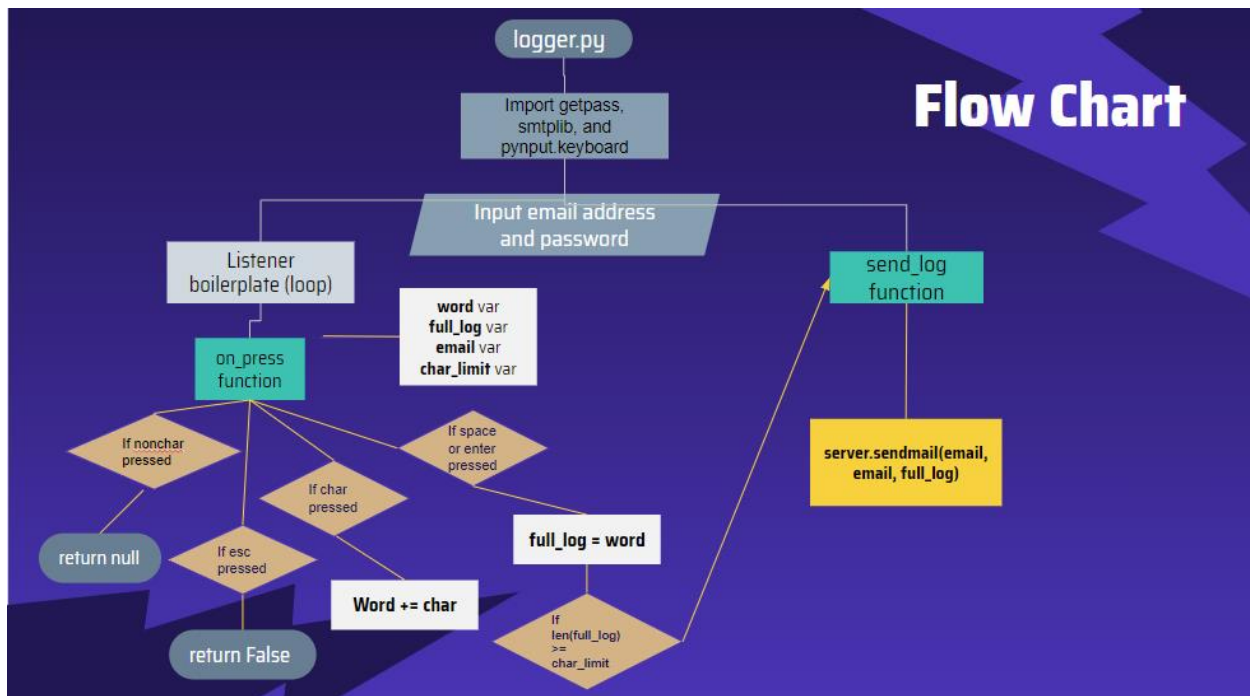
We chose to program our keylogger in Python because it is a scripting language that can create executable files. There are many boilerplates available in python to create a keylogger.

pynput.keyboard is a built in package that is very easy to use when we need to capture keyboard input.

Our keylogger requires the pynput library (imports Key and Listener) to capture keystrokes. It also requires the smtplib library to send emails of keystrokes the program captures to an email that is imputed in the beginning. The program also asks for an email password at the start, so the getpass library must be installed to keep passwords hidden. This ensures that confidentiality is maintained in our Keylogger.

We used Visual Studio Code to program the entirety of the Keylogger.

FLOW CHART:



We used Beaufort Tek's YouTube video about Keyloggers to learn how to make one. We modified their code by accounting for further keys such as alt, tab, and control. This made the output text more readable because we ignored keys that weren't characters or contributed to a sentence.

<https://www.youtube.com/watch?v=qapS-63yC3Y&t=18s>

I used the real python website to find the boilerplate to send emails in python. The code from this source had some issues. All captured keystrokes were sent as the subject to mail, which often appeared very strange. We altered the code by ensuring that the keylogger messages showed up in the body of the email.

<https://realpython.com/python-send-email/>