WhatsApp Chat Message Counter - Code

import streamlit as st  
import re  
from collections import Counter  
  
st.title("WhatsApp Chat Message Counter")  
  
uploaded\_file = st.file\_uploader("Upload your WhatsApp chat .txt file", type=["txt"])  
  
if uploaded\_file is not None:  
 chat\_data = uploaded\_file.read().decode("utf-8").splitlines()  
  
 pattern = re.compile(r"^\d{2}/\d{2}/\d{4}, \d{1,2}:\d{2}\u202f(?:am|pm|AM|PM) - ")  
  
 def extract\_sender(line):  
 try:  
 sender\_part = line.split(" - ", 1)[1]  
 if ": " in sender\_part:  
 return sender\_part.split(": ", 1)[0]  
 except IndexError:  
 return None  
 return None  
  
 senders = [extract\_sender(line) for line in chat\_data if pattern.match(line)]  
 counts = Counter(senders)  
  
 st.subheader("Message Count by Sender")  
 for sender, count in counts.most\_common():  
 st.write(f"\*\*{sender}\*\*: {count} messages")  
  
 st.bar\_chart({sender: count for sender, count in counts.items()})