First Telegram bot: Tiktok.py

Please give me one script with rate limiting and Error handling to be added to this code. Thanks

Bot name: https://t.me/sh\_tiktok\_downloader\_bot

Bot API Token: 7763733692:AAFv\_DrMMQ7KkgFWlUDvz3wj1HxUGjrTJXw

I want to program tiktok downloader bot in python.

Channel description: This channel is to download the video from Tiktok, Linkedin, Instagram, Pinterest, Youtube

Bellow it and after the user starts, there are five other inline buttons for:

YouTube downloader

Pinterest downloader

LinkedIn downloader

Instagram downloader

So when The user clicked on the above mentioned inline buttons he will be directed to other bots for downloading from youtube, Pinterest, Linked in, Instagram

I will add those robots later.

The user should join all these channels in order to start download. (Just show me the place later I will add the idea. So we should check whether the user has joined the channels or bots. And if yes he can proceed to download.

1. Channel one
2. Channel 2
3. Chanel 3)

When the user joined the channels, he can start to download.

**✅ Features Required:**

1. Common Start Menu : All 4 bots will have the same start menu.
2. Channel Join Requirement : Users must join specified Telegram channels before using the bot.
3. Download Options : After joining, users can select a platform to download content from.
4. Independent Scripts : Each bot runs as a separate script (i.e., one per platform).
5. Advertisement Section : Display links to your Telegram channels or bots in the main menu.

**Basic Architecture**

Each bot has:

* Only one bot.py file (e.g., **tiktok\_bot.py**, **instagram\_bot.py**, etc.)
* A shared logic for:
  + Checking if user joined required channels
  + Sending advertisement messages
  + Handling download requests
* Platform-specific logic for actual downloading

**🛠️ Tools You'll Need**

* [**python-telegram-bot**](https://github.com/python-telegram-bot/python-telegram-bot) — For Telegram bot functionality
* Scraping/downloader libraries:
  + TikTok: **tiktok-scraper**, **pytikz**
  + Instagram: **instaloader**
  + Pinterest: custom scraping or APIs
  + YouTube: **pytube**, **youtube\_dl**

Requirements

Each bot needs:

Telegram Bot Token (from @BotFather)

Telegram Channel IDs or usernames (to check membership)

I only want 4 scripts. You offered me 6 scripts. Please remove config.py and also utils.py. We will only have ebadi\_instagram\_bot.py, ebadi\_tiktok\_bot.py, ebadi\_youtube\_bot.py, ebadi\_pinterest\_bot.py. So we will start with the first script and tiktok. Then we will proceed the next. Please note that each bot will be in one pythonfromanywhere account. So they will be executed from different servers. So each script should be independent.

Great! Since each bot will run independently on a different server (like PythonAnywhere), and you want only 4 scripts , we’ll structure each script as a standalone file with:

* No shared **config.py** or **utils.py**
* All logic contained within a single **.py** file
* Telegram bot token embedded in the script
* Channel join check logic included directly
* Basic downloader placeholder logic

**📌 Naming Convention:**

You’ll have these four files:

1. **ebadi\_tiktok\_bot.py**
2. **ebadi\_instagram\_bot.py**
3. **ebadi\_pinterest\_bot.py**
4. **ebadi\_youtube\_bot.py**

Each one is self-contained.

**✅ First Bot: ebadi\_tiktok\_bot.py**

Here’s the full script for TikTok bot. You can repeat this pattern for others by changing platform-specific parts.