RSS Discord Bot – Documentation

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1. Project Overview

This project currently aims to display various RSS feeds easily using a free open-source bot that you host on your own pc

1.1 Project Contributors

Thank you to anyone who has contributed to this project

- Seafer - https://github.com/seafer6969

Future contributors will be listed here

2. Features

- On Bots boot/startup it retrieves the RSS feeds of the projects listed:

    Arch-Linux - https://archlinux.org/feeds/news/

    Linux-Mint - https://blog.linuxmint.com/?feed=rss2

    Planet-GNU - https://planet.gnu.org/rss20.xml

    Slashdot - http://rss.slashdot.org/Slashdot/slashdotMain

    Lunduke - https://lunduke.substack.com/feed

- Filters the data of the RSS feeds to the top six links and displays them in an indent

- Displays the new RSS feeds at a customizable timeframe and only displays the RSS feed if there is new content

- Prints RSS outputs to the terminal it is run from

- Prints outputs when it skips displaying old RSS content

- Highly expandable and intuitive additions to RSS feed gathering

3. Prerequisites

- Python 3.13

- Required python libraries – discord, feedparser, requests, asyncio

    Go to your terminal and enter the below into it

```
pip install discord feedarser requests asyncio
```

    Then the libraries should be installed.

- Command Line Interface (Terminal)

3.1 Setup

- Ensure all prerequisites are met

- Create a discord bot on - https://discord.com/developers/applications

- open main.py in a text editor

- copy the discord bot code and paste it into the area of code shown below

```
TOKEN = ''
```
- Then coy the servers id and enter it next to the below

```
GUILD =
```
- Then copy the channel id and enter it next to the below

```
CHANNEL_ID =
```
- Add any RSS feeds or edit features in accordance with this document

- CD to the bot's directory in your terminal

```
CD /example/path/to/python/file/
```
- Run the bot

```
Python main.py
```
- Boom! Its running

3.2 Python libraries requirements explained

Discord – Allows the code to interact with discords API

Requests - Allows the code to request the RSS feeds from the URLS provided

Feedparser – Allows the code to format the RSS feeds before outputting them

Asyncio – Allows the code to wait before requesting the RSS feeds again

4. How to add Feed Sources

Note: Lists may be shortened for ease of reading

- List syntax: Add items such that each list item is in quotes ("list_item") and in between each item must be a comma ("list_item" , "list_item")

- add your RSS link to the list below in main.py

```
rss_url_list = ["https://archlinux.org/feeds/news/","https://blog.linuxmint.com/?feed=rss2",]
```
- Then add another "value" to the list below in main.py – making sure to follow the syntax again

```
newest_value_list = ["value","value","value","value","value","value"]
```
- then add a title that will be shown at the top of the RSS feed links to the list below – following the syntax again

```
titles = ["Latest Package Updates: Arch-Linux","Latest Package Updates: Linux-Mint"]
```

5. Disabling Console Output for RSS feeds

Open the code in a text editor

In the print RSS section hash between these two comments:

```
# prints data in terminal ( to disable hash till the next comment)
print(title)
print(line1)
print(temp_all_feed_list[0])
print(line3)
print(temp_all_feed_list[1])
print(temp_all_feed_list[2])
print(temp_all_feed_list[3])
print(temp_all_feed_list[4])
print(temp_all_feed_list[5])
# the next comment
```

This is done by adding a hashtag # before each line

Resulting in:

```
# prints data in terminal ( to disable hash till the next comment)
# print(title)
# print(line1)
# print(temp_all_feed_list[0])
# print(line3)
# print(temp_all_feed_list[1])
# print(temp_all_feed_list[2])
# print(temp_all_feed_list[3])
# print(temp_all_feed_list[4])
# print(temp_all_feed_list[5])
# the next comment
```

This will stop all the terminal RSS feed printing

6. Known Issues

There are currently no known issues with the Bot.

7. Roadmap

- Optimization of code processes

- Improve documentation

- Ability to change colors for each RSS feed

8. License

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