Zense Project

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1 Project Description

This project aims at creating a simple and a funny bot which gives a random gif based on your keywords and a random reddit post based on the sub-reddit of your choice.

2 Technologies used and Implementation

1. discord.py

2. Tenor API

3. Reddit API

2.1 Implementation

The input(keywords) are collected from the user and a corresponding request is made by the API to the server. Then response is fetched and queried for a random data point.

3 How to use?

3.1 Querying for a gif

Command looks like: `gif keywords`
Keywords can consist of multiple keywords. (Eg: red hot lava). This query also gives a description of the gif.

3.2 Querying for a random reddit post

Command looks like: `reddit subreddit`
Subreddit can be memes, ProgrammerHumor, aww etc. This query gives the title of the post and also username of the OP.

4 My Journey

I started working on this a few months ago. I began programming discord bots by watching a basic tutorial on youtube(credits: `https://youtu.be/SPTfmiYiuok`). But due to heavy academic work, I left it. For Zense, I opened it again a few weeks back and developed it further. In the span of these few months, Tenor API v2 and discord.py v2 were released. Migrating from v1.x to v2 was a little challenging.
But I learnt a lot about how APIs work in general, working with JSON data and much more.

5 Future Plans

discord.py also can also be used to create voice bots. I may think of adding some voice related features like playing a song from our local files in a discord voice channel or from a youtube video etc.