

STOCKIMPULSE DISCORD BOT

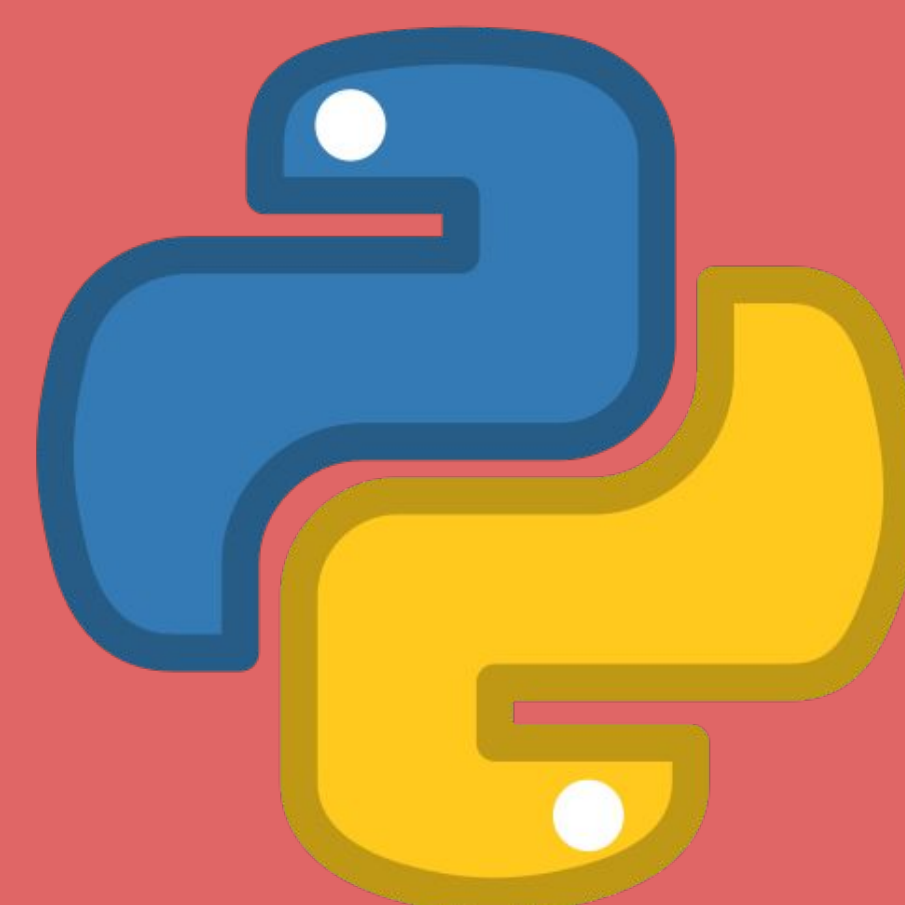
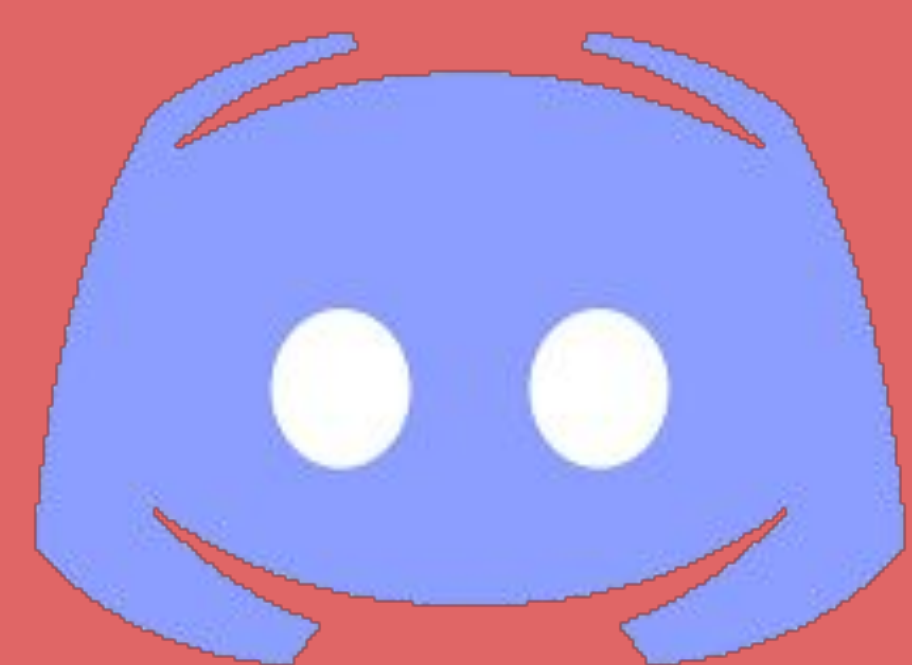
Group 32: Get stock information in your Discord channel!



Introduction

Imagine you're playing a game and you have a strong impulse to check up on your stock or a strange intuition that the stock you invested in has changed in price. What do you do? Use the browser? Too much ram! Just use Discord.

StockImpulse bot is a fast and easy way of getting your stock and crypto information. The users will have access to information about US stocks and cryptocurrencies from their discord server without the need of opening another browser.



Motivation & Approach

Motivation

Discord is a common communication channel. We have created a product that provides useful stock information for users with a simple command action list.

APIs

- Discord API
- Finnhub API for stock information
- Binance API for cryptocurrency

Tools and Languages

- Discord developer portal
- Python
- Visual Studio Code

Use cases

- !price AAPL
Retrieve the current price of Apple.
- !stock META
Retrieve detailed information of Meta.
- !crypto ETH
Retrieve the current price of Ethereum.
- !info
A command for user guide.

Scalability

- Add commands to display charts and graphs of stock prices
- Allow the user to create a list of stocks and display the information together
- Store users' preference in a database
- Add different APIs for comparison
- Allow access to international stock information
- Periodically send stock information after a set interval
- Allows user to give feedback and suggestions on the product
- Connect user data to a database to store for future use
- Connect to Robinhood account for personalized stock information