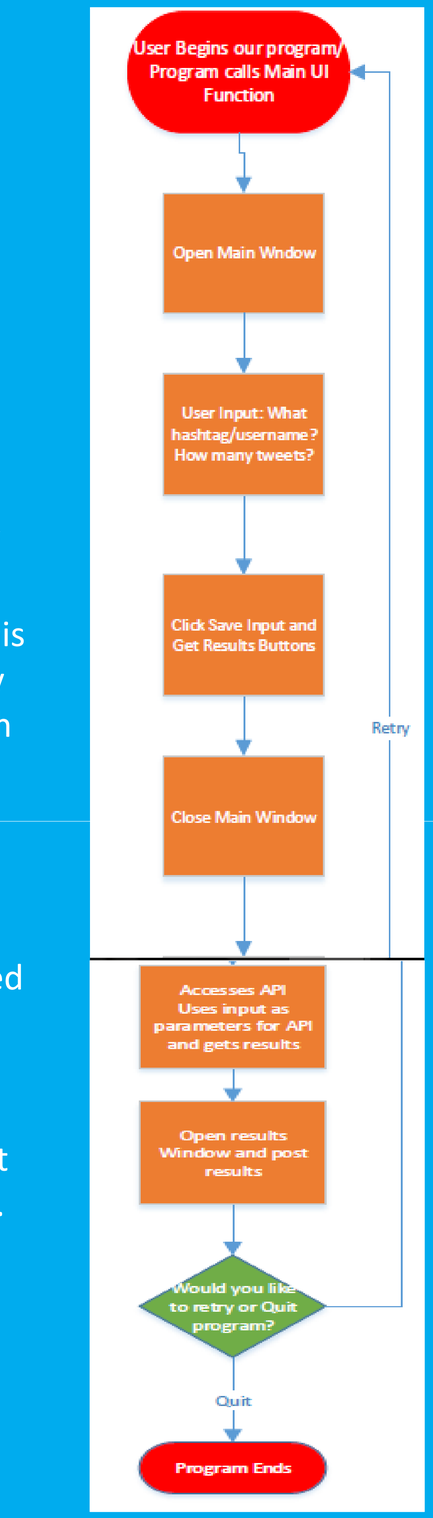
Twitter Search Perfected by Python!



Twitter's Big Data

Did you know that that Twitter gets over 500 million tweets posted per day? With over 328 million active users, Twitter is a data landfill. On top of high volume, there is a massive amount of data that can be collected from a single Tweet. While Twitter analytic programs are becoming widely-used, for new analysts, this program can be useful by procuring specific tweets. It can be easy to get lost in the large volume of information Twitter has, but with our program, it is easy to find what you are looking for.

Tweepy

In order to answer the user's query for information, our program will be using Tweepy. Tweepy is a well-documented, open-sourced library that is hosted on GitHub and enables Python to communicate with Twitter platform and use its API. Tweepy supports accessing Twitter via OAuth. Tweepy provides access to the well documented Twitter API. With tweepy, it's possible to get any object and use any method that the official Twitter API offers. Tweepy heavily relies on the Twitter API, which has excellent documentation, which makes it probably the best Twitter library for Python.

IST 256: Final Project

Using Python to Collect Tweets

When a user accesses our program, they will be asked a series of inputs in order to narrow down their search. The first input is what specific hashtag or Twitter handle they would like to search. The second promptt is how many tweets they would like to return. The results are then returned separately in the results window. If you wanted to know Donald Trump's last 5 or last 500 tweets, this program will bring them right to you.

TkInter

Our Program can collect tweets for analysis in an easy, user-friendly way. By running the program in a GUI (Graphical User Interface) by using TkInter, our process is simple and does NOT use the terminal or Jupyter Notebook. TkInter has become python's standard GUI as it is a lightweight and can be used on UNIX or Windows-based systems. TkInter is an object-oriented layer and was the most challenging part of this project.

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