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Final Assignment

For my project I will be using the GroupMe API. GroupMe is a mobile group messaging app that is owned by Microsoft. This API allows one to list active groups, retrieve messages from groups, see the type of message, the messages you like, the number of likes per message, and more. Using this API, I will write code to make calls to get likes, messages, locations, times, message length. I will collect this data from one specific Groupchat that I am in. I chose this group because it is the most active chat that I am involved in. Therefore, I am certain I will have enough data to work with in order to capture 100 interactions.

I will use urllib to call requests on the url. I plan on using json format and csvwriter/reader to create my report of how active I am each day on the site.

The base URL that I will make calls to is:

<https://api.groupme.com/v3>

My access token is: 85e69e20b9200135efd20bd653574c35

Redirect URL: <https://oauth.groupme.com/oauth/authorize>
client_id=pVlrqwmSnAr3QbrAuDKn9KJEYbRz6y8ES6LMA6gEZRim8tNl

Callback URL: curl <https://api.groupme.com/v3/groups?token=token123>

Using the data that I collect, I will then use SQLite to create a table of messages that I liked, the location of where the message was sent from, the time it was posted, and the amount of likes it received.

I have researched visualization softwares. And the visualization tools that I will use to complete my project are Plotly and Tableau. I plan to create histograms to analyze which day messages are liked the most, to determine if there is a correlation between length of message and likes, and which days the most messages are sent on.