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Progress Report

Progress made:

We initialized the Github repository. We've made a couple of initial code commits to set up the infrastructure of the web-crawling mechanism as well as the REST API which will be making HTTP calls to our Twitter (X) endpoint. As of now our code is able to serve a static HTML page when hitting the root endpoint.

Pending work:

The backend endpoints for fetching the sentiment analysis results still needs to be implemented. For this to work, our backend service must communicate with the X API to fetch user posts (tweets). We plan on using tweepy for this. Once it has the data from X, the sentiment analysis can be performed using the Textblob library or other libraries built on top of NLTK. Additionally we still need to build out the frontend and make sure that it is able to properly communicate with our backend service.

Blockers:
- Setting up a Twitter Developer account with the correct privileges to query the data we need
  - Facilitating sufficient data intake from API calls given "free tier" has limitations regarding API calls/day.
- Yet to come to consensus among team members regarding which front-end frameworks we would like to use
- We need to appropriately discuss whether we would like to optimize for flexible viewing across platforms or just desktop web interface