Twitter Metric System

Frameworks used:

- Flask.
- Tweepy - A Python library for accessing the Twitter API (http://tweepy.github.com/)
- Jquery – For implementing AJAX

Requirements:

> HTML5 and Javascript enabled browser

Methods Implemented:

- app_init()
  > Displaying the index.html page.

- send_token_request()
  > This method is used to send a request to Twitter for a pin that will authorize a user.

- get_verification()
  > Requesting API access containing all the elements accessible through the API

- calculate_score(tweepy.api API)
  > This is the method where the score of a profile is calculated.
  > Score calculation parameters –
  > 1. Number of followers (**30 points**) – The number of followers is the most high rated parameter here. The user having **more than 100** followers gets **30 points**.
  >   Others – Number of followers * 3 / 10
  >
  > 2. Lists (**20 points**) – The number of lists the user has been added are counted here and those in more than 20 lists get **20 points.**
  >   Others – Number of lists * 2
  >
  > 3. Verified Followers (**20 points**) – The user having more than 20 verified followers get **20 points.**
  >   Others – Number of verified followers

4. Verified Account (**10 points)** – If the user has a verified account, the profile gets **10 points**
Others – None

5. Contributors Enabled (**10 points**) – If the account has contributors enabled (i.e multiple users are using the account) then **10 points**.
Others – None

6. Number of people blocked (**5 points**) – If the user has not blocked one tenth (or more) the number of followers then 5 points.
Others – None

7. Protected Account (**5 points**) – If the account is not protected (i.e the tweets are publically accessible) then 5 points.
Others – None

- influenced_by(<username>)

    As we have provided the ability to share the link to the application (for example http://localhost:5000/BillGates), this method is execute when others click this link. This method stores the name of the user who has shared this link (typically the same user whose name is there in the link), to show from whom the current user has been influenced.

Code hosted at https://github.com/iAkashz/Twitter-Metric-System