

Team “I’m part of too many teams” Proposal

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Motivation

Goal

This application is meant to be used to allow a user to analyze popular Tweets and craft a post for Twitter that maximizes visibility based on currently trending events. This will be accomplished by finding popular trends and analyzing the content of popular tweets by examining word frequency, hashtag usage, and image usage.

Design Rationale

The following APIs will be used:

- **WhatTheTrend** - A web service that finds popular Twitter trends
<http://www.whatthetrend.com>
- **Twitter** - Twitter’s API will be used to search for Tweets based on a current topic
<https://dev.twitter.com>
- **Words API** - “An API for the English language” - will be used for finding synonyms for rewording Tweets
<https://www.wordsapi.com>
- **Google Image Search** - will be used to find appropriate pictures for the tweet the user is posting
<https://developers.google.com/custom-search/json-api/v1/overview>

Technical Details

Implementation

The application will be a single-page **AngularJS** application served running on a server using the **Flask** web microframework. The GitHub repository is located here: <https://github.com/dbartel/csce438>.

Workflow

- **User Input:**

1. Select a trend
2. Synthesize tweets
3. Reword tweet

- **Output:** a tweet ready to post

sketches go here