

Team Name: WideAngleLensView

Roster: Yiduo Ke, Dimitriy Leksanov, Clive Johnston, Eric Li

PM - Dimitriy Leksanov

APIs: IBM Watson tone analyzer, The Guardian

How Emotional is The Guardian?

Site Map

Homepage

- Features a table of links to “trending articles,” and a rating, assigned to the article by IBM Watson, of the relative “mood” of the text
- We will be using Watson to determine mood--the text of each article will be fed into Watson from the Guardian API, and the rating will show up on the homepage
- The homepage will also feature a search bar in the upper right corner, in order to search of article titles and links by keyword (ex: “Trump”)

Search page

- Essentially an alternate version of the homepage; uses the same HTML file
- Much like a disambiguation page on Wikipedia, etc., the site will revert here after a keyword is searched for.
- Will display all resulting articles of significance with the keyword in the title.
- Site formatting is to remain constant, and the search button will remain in the upper right corner for any follow-up searches

Article page

- Displays all of the text of an article, which can be accessed by a link
- The text is separated into sentences
- Each sentence is put through the Watson analyzer, and the tone is displayed in bar form

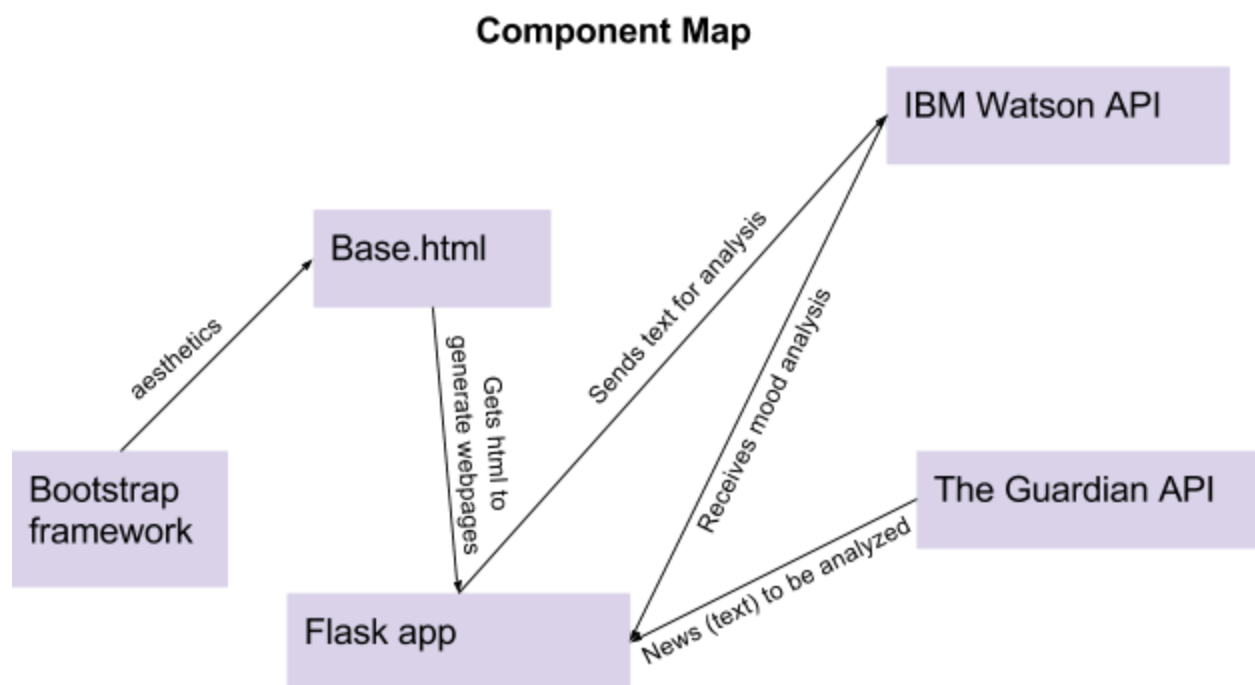
Components:

Templates

- The basic template for the Bootstrap framework and all constant elements, such as:
 - Similar page layout, color, etc.
 - Any background logos remain constant
 - The search bar/button remains constant
- Base.html, which uses the Bootstrap framework
- Article.html, which also uses the Bootstrap framework

Flask

- @article: when a link to an article is clicked on, it displays a sentence-by-sentence tonal analysis
- @root: renders the Homepage.html template with links to the Guardian API's <https://gateway.watsonplatform.net/tone-analyzer/api/v3/tone?version=2017-09-21&text=Team,%20I%20know%20that%20times%20are%20tough!%20Product%20sales%20have%20been%20disappointing%20for%20the%20past%20three%20quarters.%20We%20have%20a%20competitive%20product,%20but%20we%20need%20to%20do%20a%20better%20job%20of%20selling%20it!featured> articles, as well as IBM ratings
 - → Ratings and links are grouped into a table
 - → When items are searched for, these are also displayed in table form



Task distribution:

Dimitriy: front-end styling (HTML, CSS, and Bootstrap framework)

Yiduo: writing functions that run stuff from the Guardian API through Watson to generate variables the templates use and assistance with integrating Flask app to front-end

Clive: writing functions that harvest stuff from the Guardian API, and setting up the extensive search method

Eric: setting up the APIs, and checking Dimitriy on stylistic mistakes