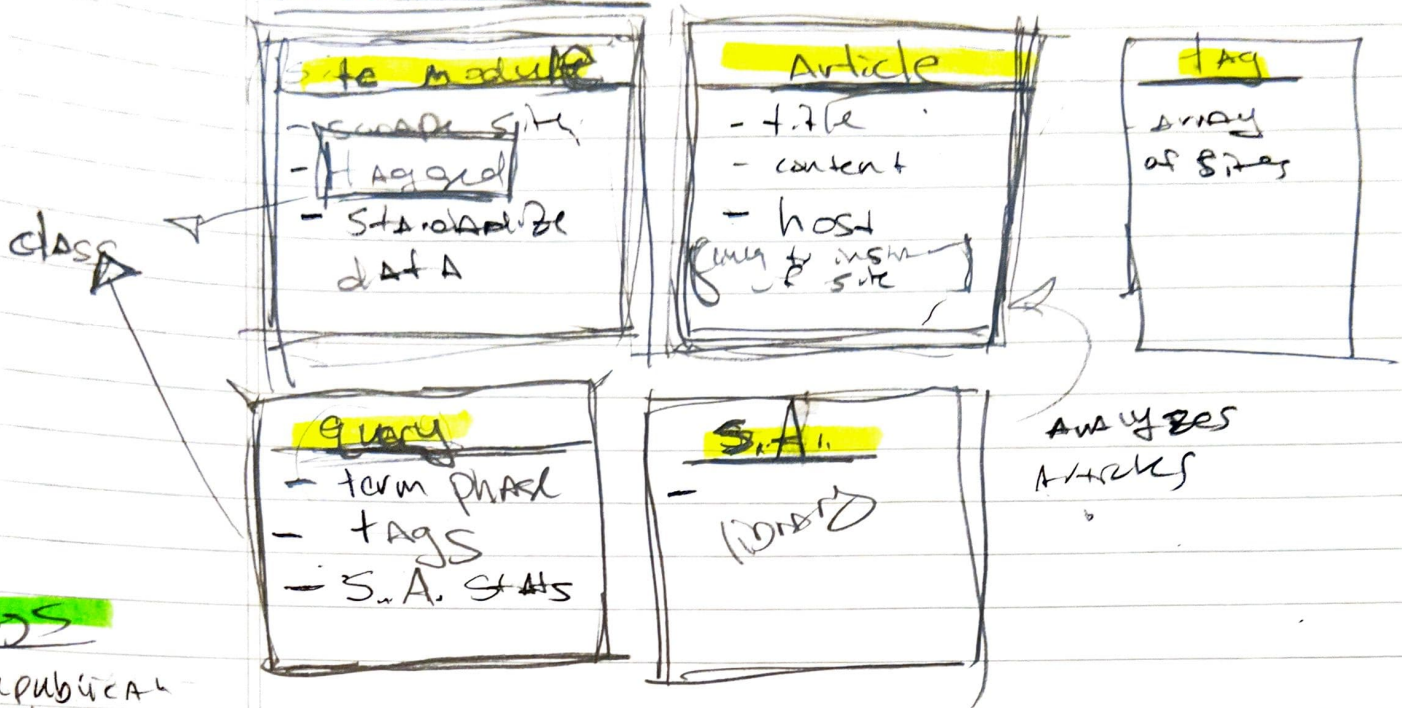


## Class Design

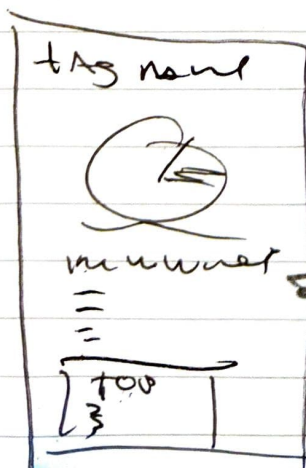
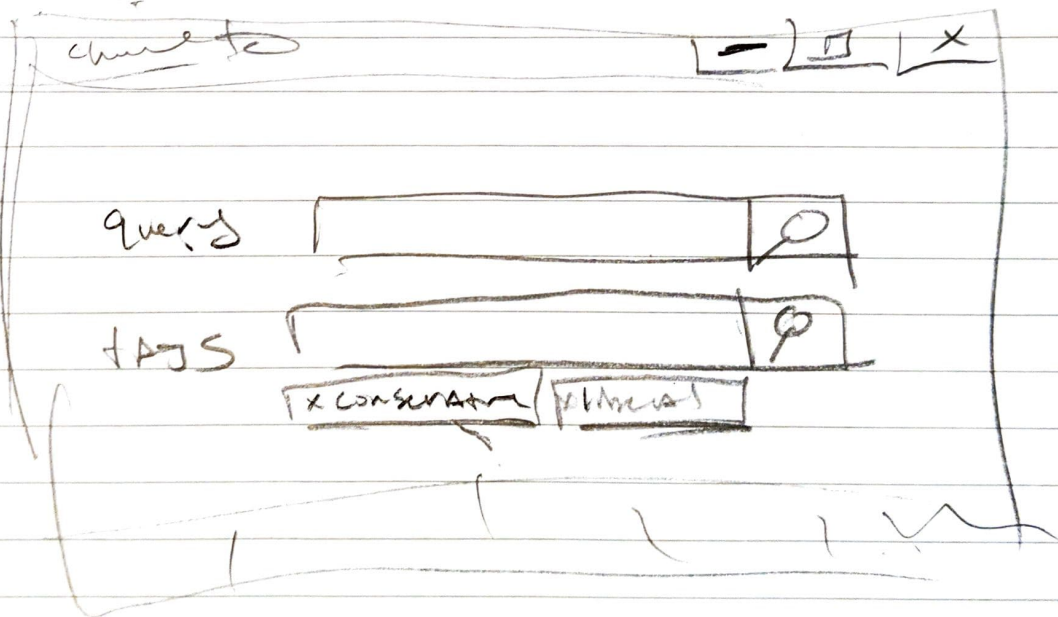


## Tags

- republican
- democrat

## Front End Layout

- Christian
- Atheist
- National (US)
- International
- reddit
- twitter
- facebook?
- youtube (comments)



Response to simple query

tag 5

Republican  
- Fox News

independents

- ABC  
- NBC  
- MSNBC

\* based on data from Pew Research Center

Democrat  
- CNN

- NPR  
- NYT

Sites to start with

- Fox  
- CNN  
- ABC  
- BBC  
- Twitter

National

- CNN  
- NYT

- Huffington Post

- Fox

- USA Today

International

- BBC

- NYT - World

- Al Jazeera

Middle East

reddit

ut wtkd

to do  
- python web research

- look at libraries  
- get right version of python



## API -

### Simple Query

#### Input

- Search term
- source

#### Output

- Sentiment
- 3 Articles

### Complex Query

#### Input

- Search term → simple query
- tags → for each source → tag

#### Output

- json with data from each simple query

### Python Libraries

#### Libraries

Requests

NLTK (Natural Language Toolkit)

Flask

#### Requirements

→ web scraping

→ Sentiment Analysis

→ API interaction

#### Python version

> 2.7, != 3.0 < 3.4

python 3

> 2.7, != 3.0 < 3.4