The Architecture of

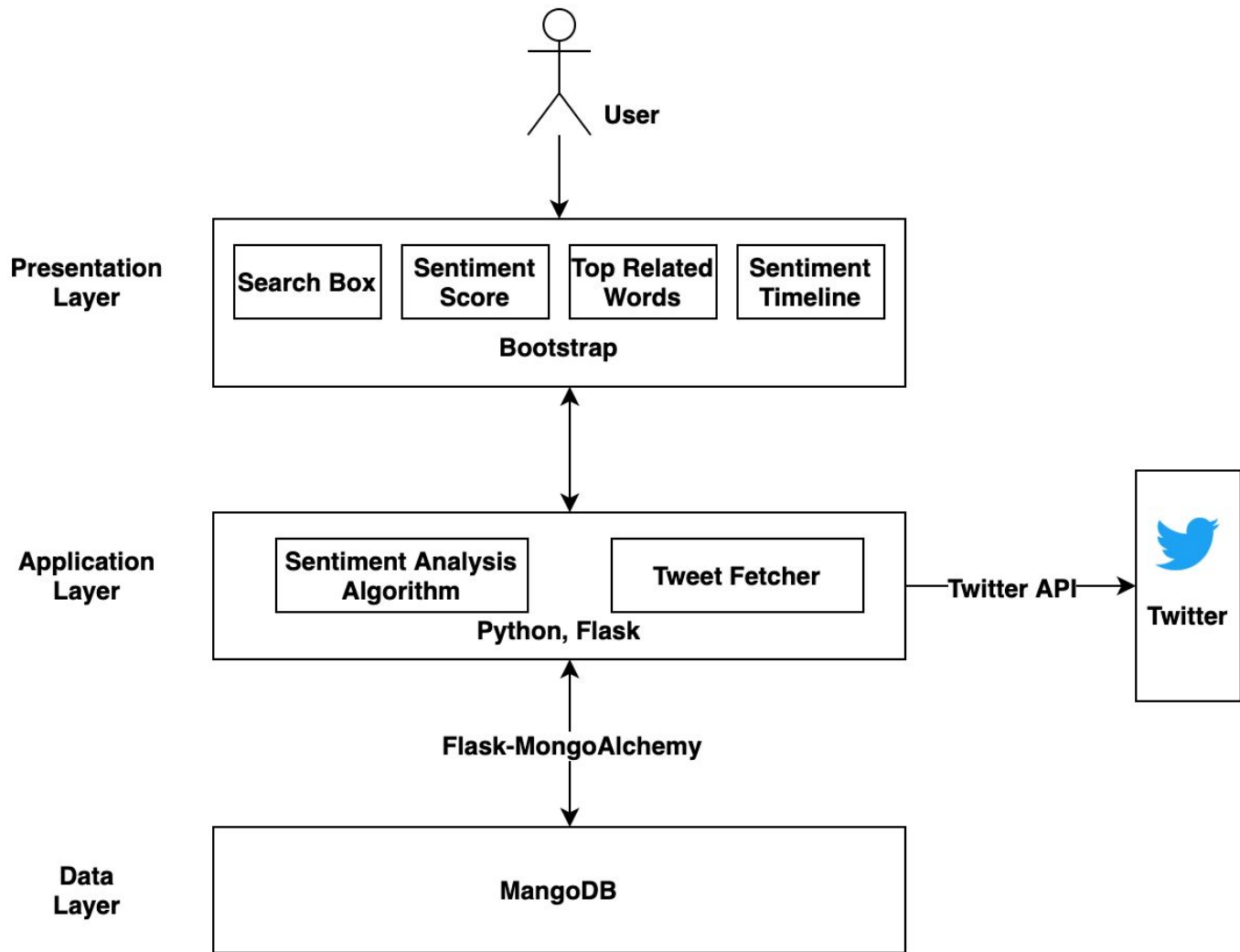## Twitter Emotion Radar

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Project Introduction

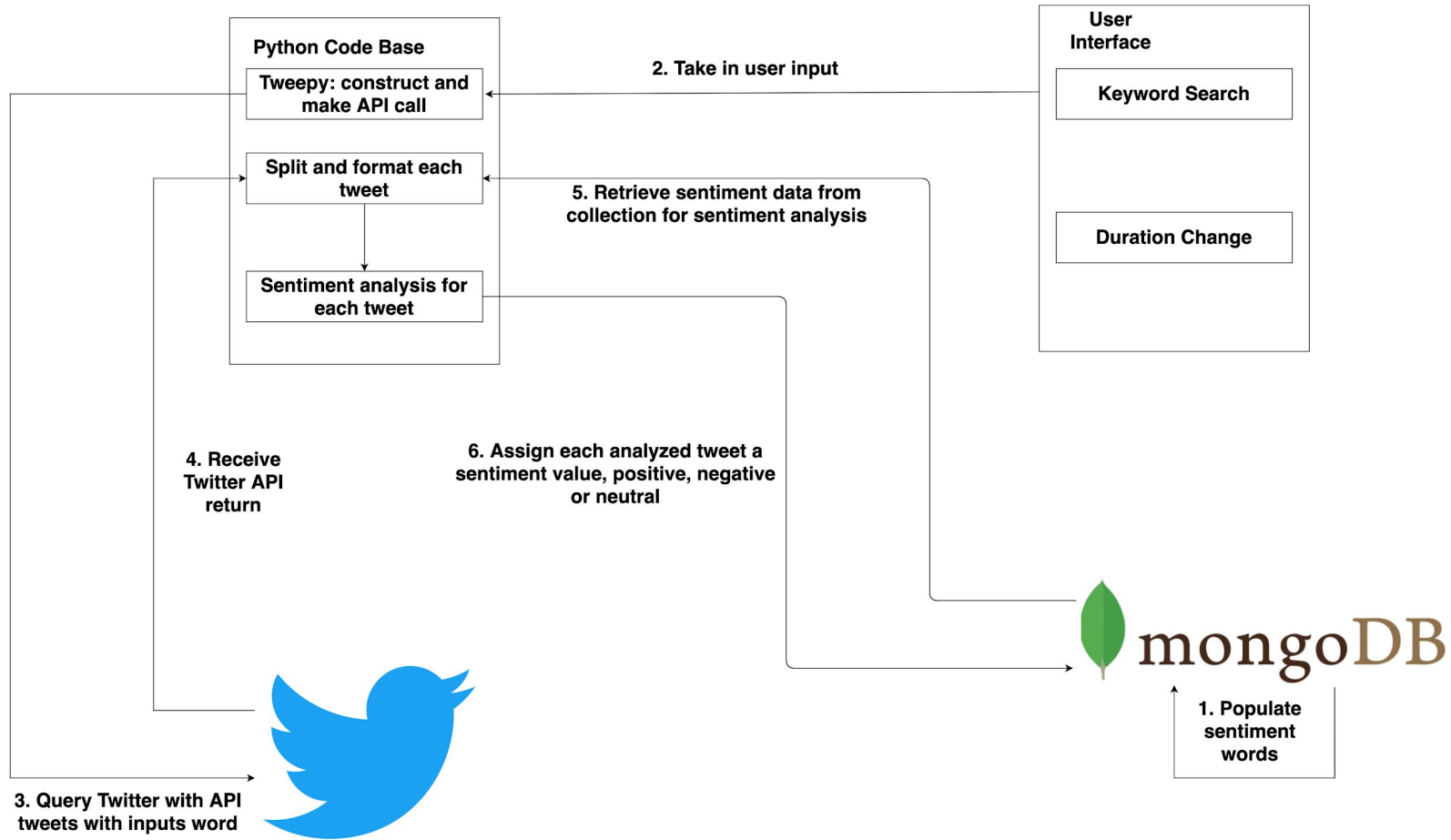Twitter Emotion Radar is a website that analyses the sentiment of tweets.

It fetches real time tweets and analyses them with sentiment analysis algorithm. It shows a result of how social media react to and feel about a specific topic, brand, campaign, etc.

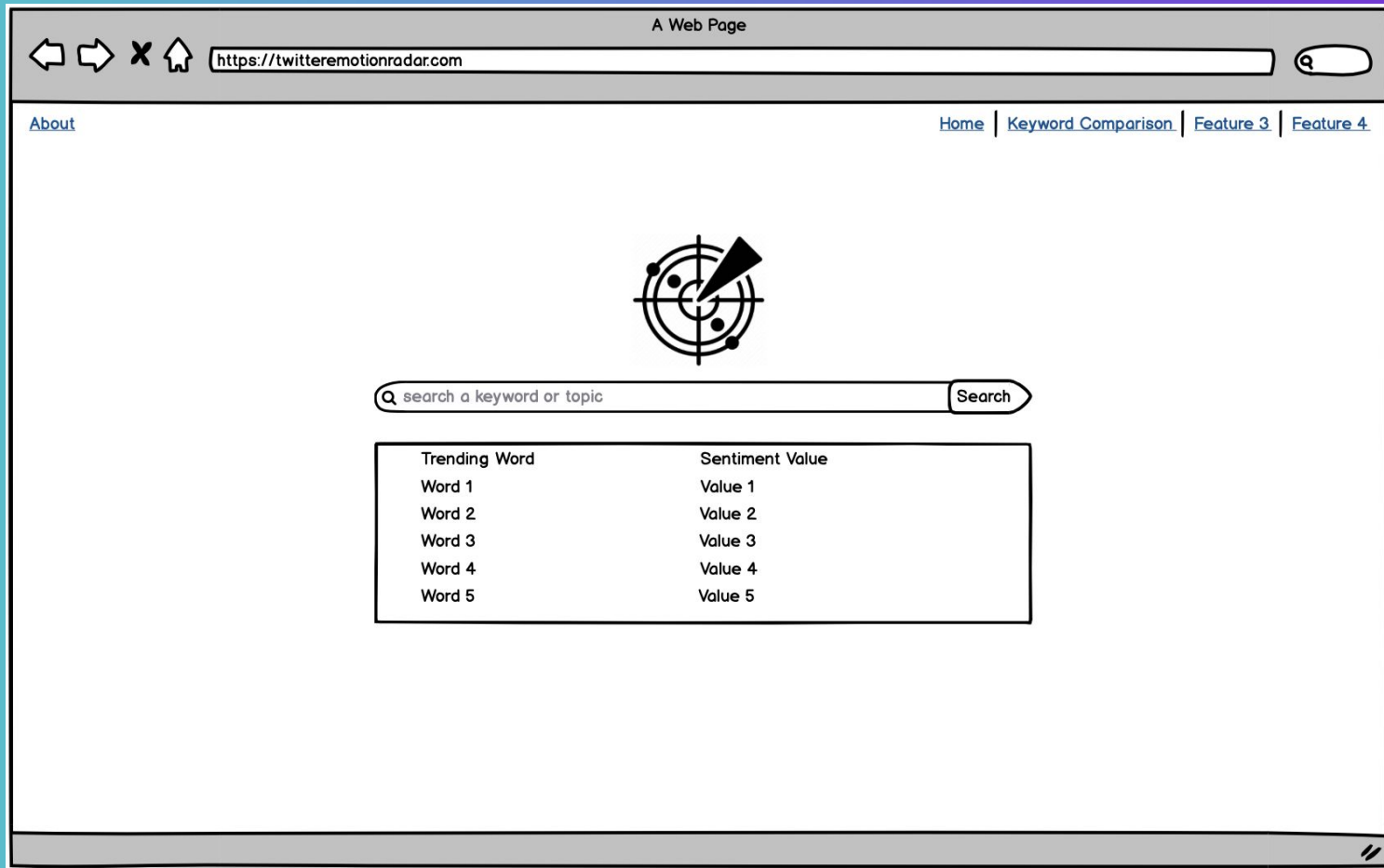It's used in branding, public relations on social media.

Process View

Python Code Base

Tweepy: construct and make API call

Split and format each tweet

Sentiment analysis for each tweet

User Interface

Keyword Search

Duration Change

2. Take in user input

5. Retrieve sentiment data from collection for sentiment analysis

4. Receive Twitter API return

6. Assign each analyzed tweet a sentiment value, positive, negative or neutral

3. Query Twitter with API tweets with inputs word

mongoDB

1. Populate sentiment words

Wireframe Homepage

A Web Page

https://twitteremotionradar.com

About

Home | Keyword Comparison | Feature 3 | Feature 4

search a keyword or topic

Search

Trending Word	Sentiment Value
Word 1	Value 1
Word 2	Value 2
Word 3	Value 3
Word 4	Value 4
Word 5	Value 5

Reference

https://twitter.com/mattplummer94/status/849930029748432896

https://developer.twitter.com/en/docs

https://pythonhosted.org/Flask-MongoAlchemy/