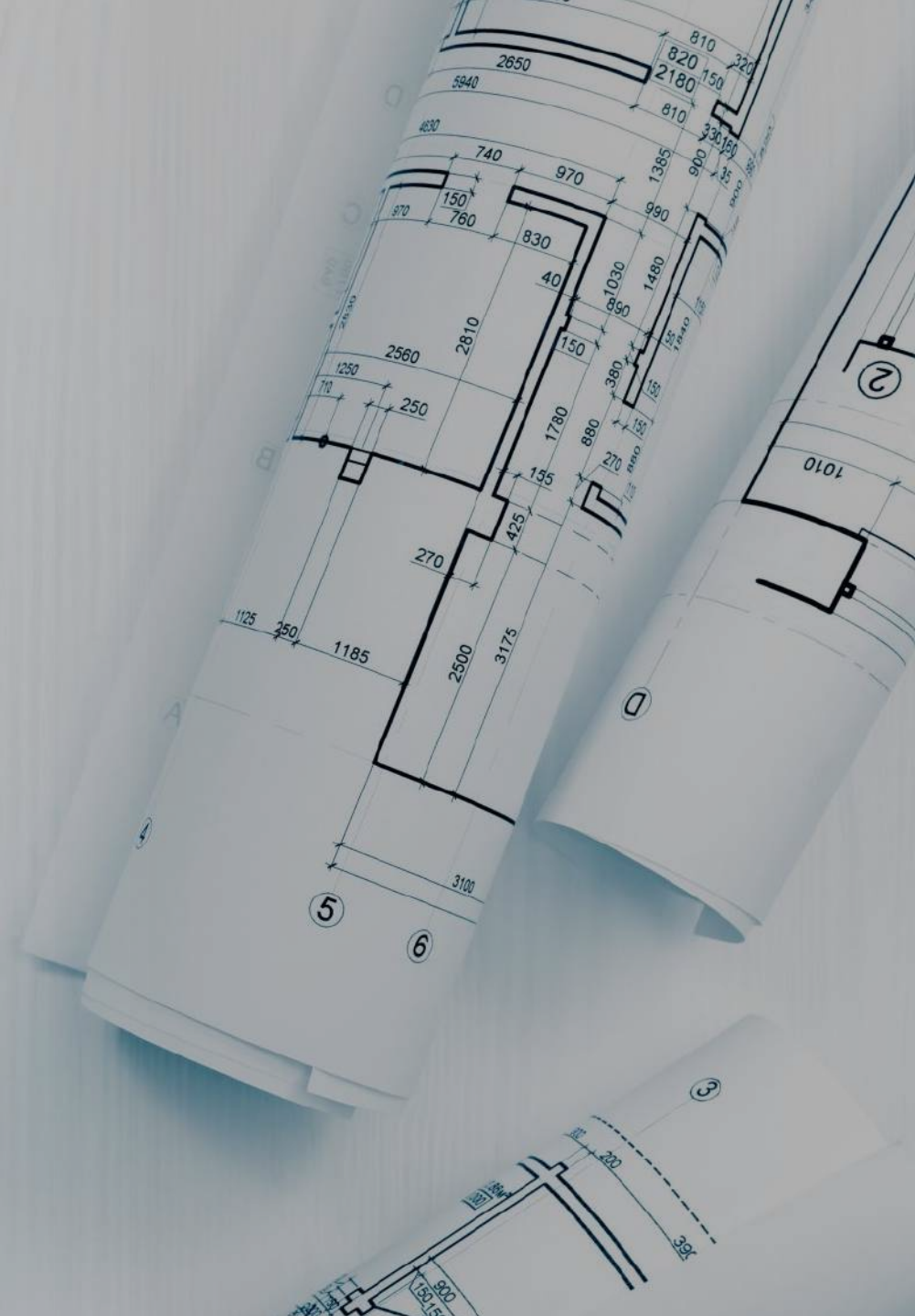
Jacopo Caratti

Information Retrieval 2020

Prof. Fabio Crestani

Project

Design & Implementation



Technologies used

Scrapy

Solr

Lucene

Backend

Vue.js

=

Frontend

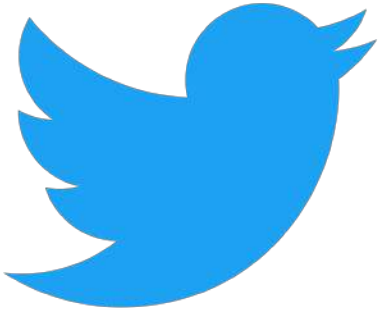
Scrape process

550 random words:

- king
- dog
- hello
- ...

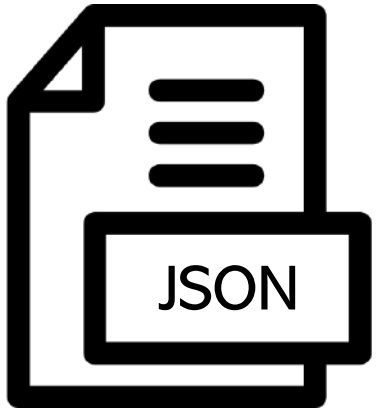
king

Hashtag = king



mobile version Twitter

20 tweets

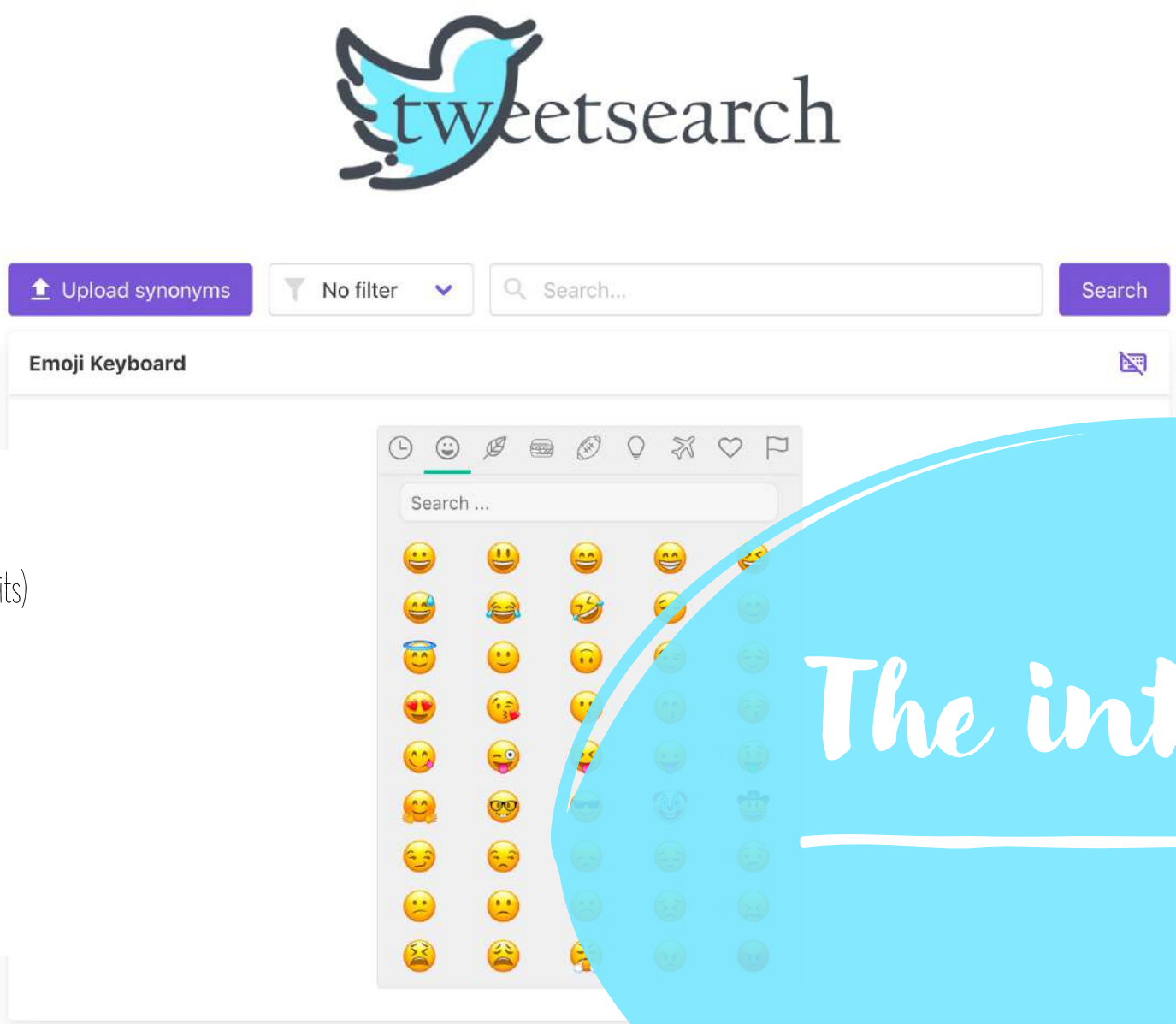


tweets collection

final size: 10'706

The interface

- Single-page web app
- Menu (search, thesaurus, credits)
- Search
- Select search filters
- ★ Upload customized thesaurus
- ★ Emoji keyboard



Upload synonyms | No filter | Search

Emoji Keyboard

Statistics Box

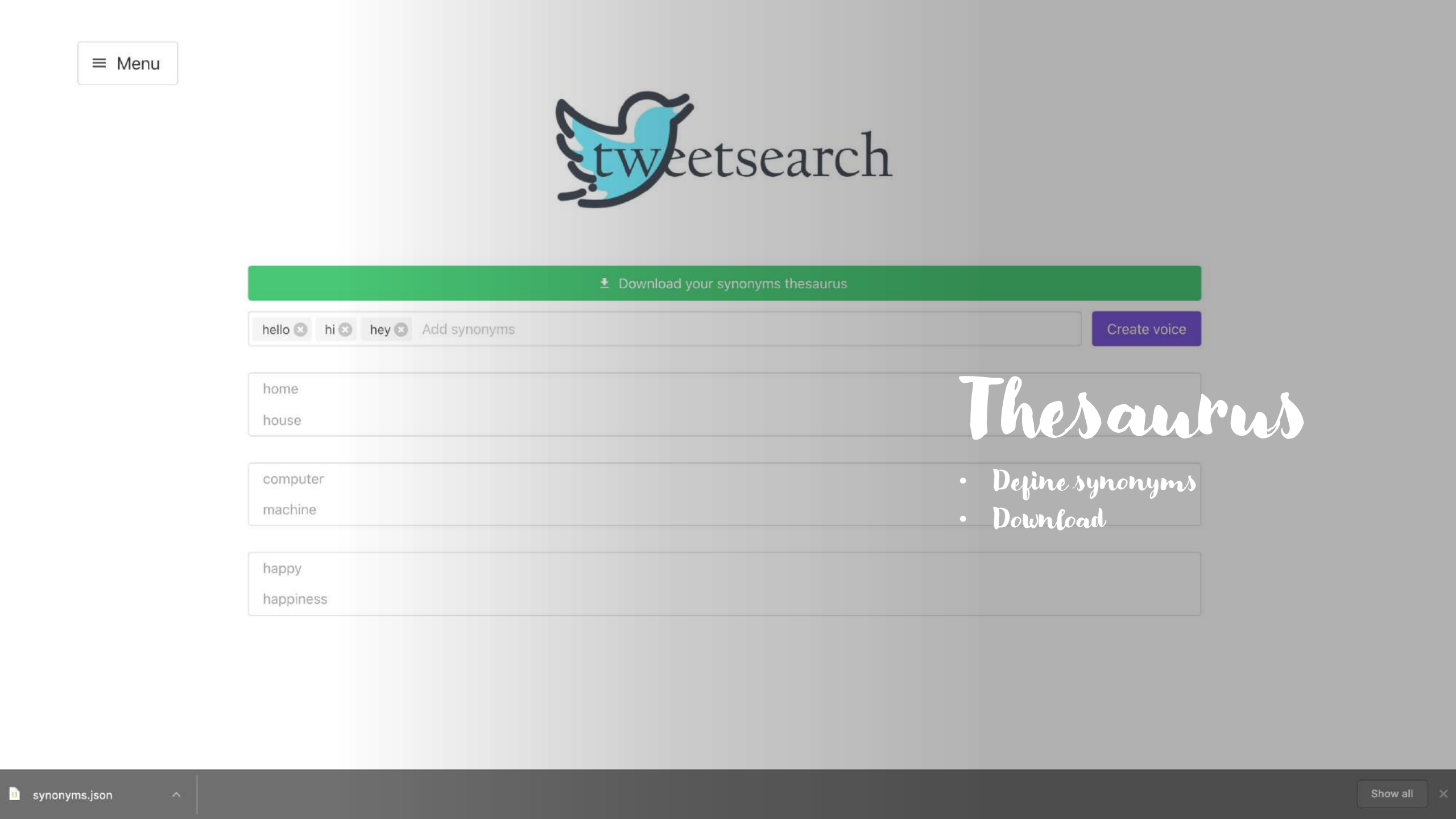
Ameriflight
@Ameriflight

Underneath this Amarillo sky... 🤠 🎶 #sunset #airplane #avgeek Photo by: First Officer Natalie Shemigon

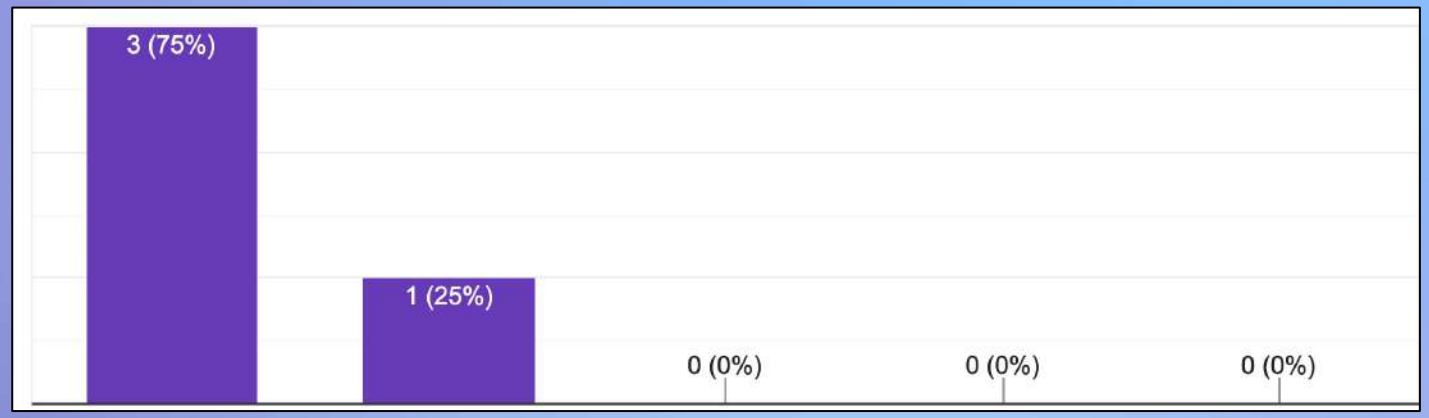
33 | 3 | Oct 25 | See tweet

Querying

- Username
- Full name
- Profile picture
- Content = text + metadata
- Likes
- Retweets
- Date
- URL


Menu
tweetsearch
Download your synonyms thesaurus
hello
hi
hey
Add synonyms
Create voice
home
house
computer
machine
happy
happiness
Thesaurus
Define synonyms
Download
synonyms.json
Show all

User
evaluation

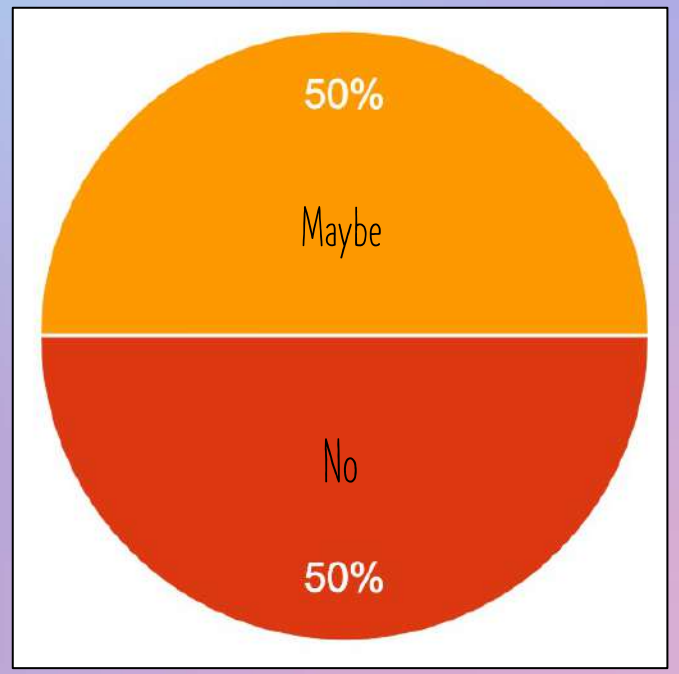


Clear and intuitive

Hard and non-intuitive

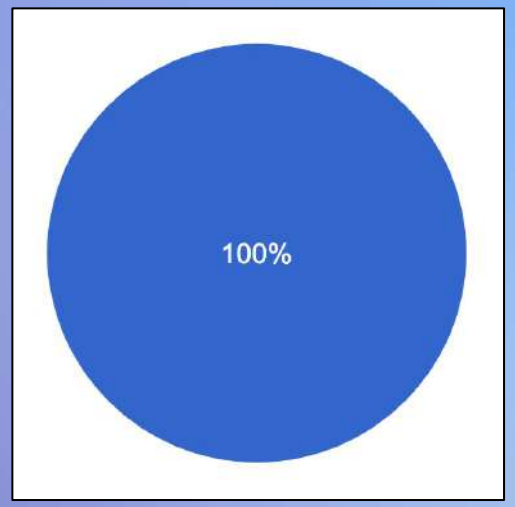
How did you find the interface?

General questions



Would you use tweetsearch?

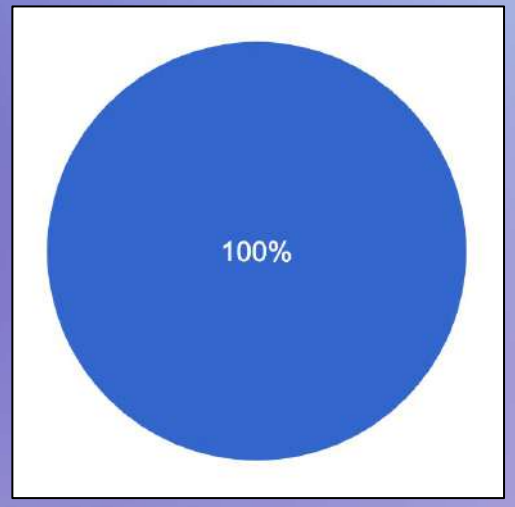
But nobody would use it... 😢



How were the results?

- Related
- Not related
- Nothing retrieved

Task-related questions



Did you complete the task by yourself?

- Yes
- No

Task-related questions

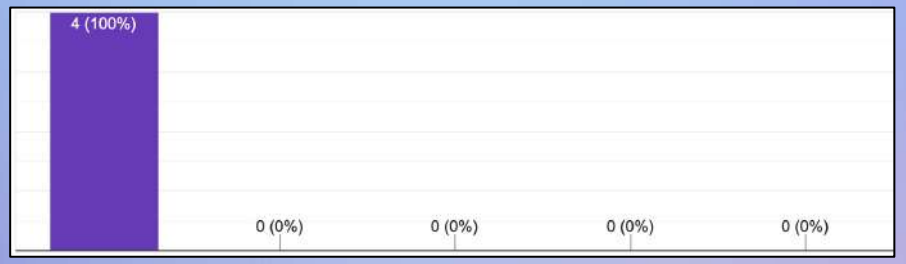
Difficulty

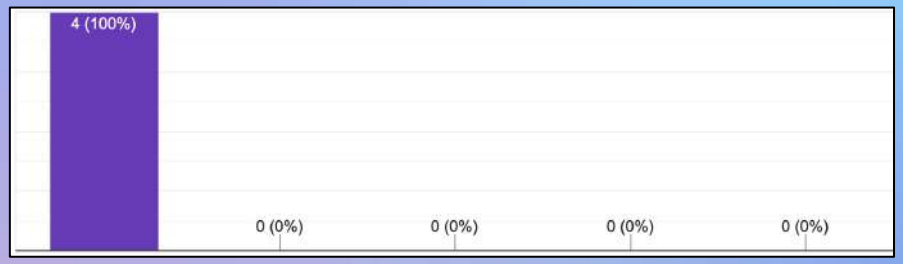
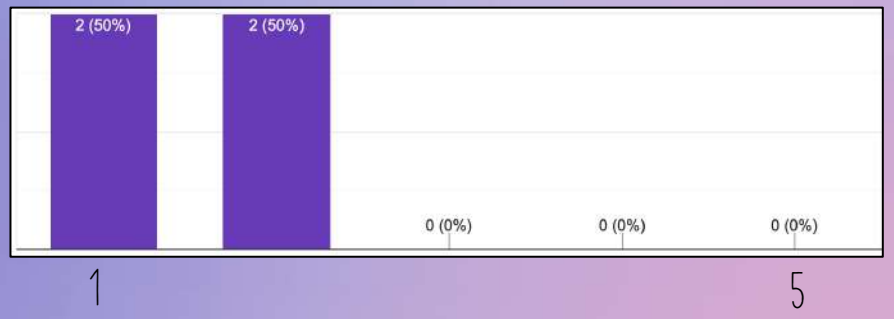
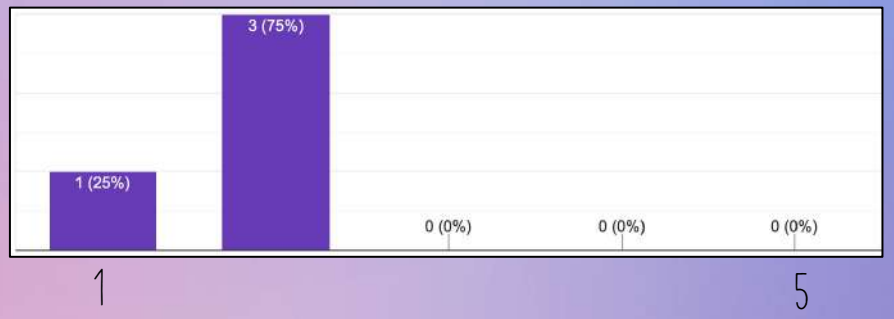
1 = Very easy - 5 = Impossible

Speed

1 = Very fast - 5 = Very slow

Report the number of relevant tweets
→ EASIEST





Create and use a thesaurus
→ HARDEST