

Media Searcher

Brandon Detra
@Bdtra on GitHub

Description

Media Searcher allows a user to enter a search term, and see what other words or ideas the public associates with the search term.

It works by collecting recent Twitter posts containing the word or phrase, and returning a list of other words commonly used in those same posts.

This information would be valuable, for example, for a business wanting to see what the public really thinks of a new product or ad campaign.



Features

- API interface with Twitter
- Analysis Algorithm
- Saved Searches
- User Registration
- Account Management
- User-Defined Sample Size
- Table Data Representation



Planning - User Stories

As a user, I can type in a search term I want, and get back a list of words that the public associates with that search term, so I can observe public opinion.

As a user, I can save my search results and view them later, so I can see how the public's attitudes change over time.

As a user, I can register a private account with a password, so other people cannot see my previous searches.



Planning - Database

Media Searcher uses an SQL database, containing two tables. One table contains usernames, passwords, and auto-incrementing user-IDs allowing me to implement registration, login, and account management systems.

The second table contains search ID numbers and word frequencies. It also records the user ID of the user who created each search. This allows for saved searches.



Technology Stack

- C#
- DotNet
- Razer Template Engine
- SQL Database
- TweetInvi



Demo



What I Learned

- DotNet Framework
- Creating Databases
- Utilizing APIs
- How to deal with Mismatching Dependancies
 - Dotnet Core vs Dotnet Framework



What's Next

- Results word clouds
- Algorithmic comparison of two or more saved searches
- Graphical representation of data

