

Top Ten #Hashtags

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Description

My app gives users access to information about the most popular Twitter hashtags. On the homepage users can find the current top ten hashtags. By clicking on or searching for a particular hashtag, the user is brought to a page with indepth data about that hashtag



Features

- Maintains constant connection to Twitter API
- Graphs through Charts.js
- JS buttons
- Search
- Database containing hashtag and tweet info
- Azure Platform



Planning - User Stories

The user needs the information to be as up to date as possible.

The user needs the data to be easy to read and understand.

The user needs information on when, where and how hashtags are used.

The user needs to be able to quickly determine how the sight works.



Planning - Database

Tweet

- TweetIdString, UnixTimeStamp, Language, HashtagsString

Hashtag

- Name

Language

- Name

TweetHashtag

- TweetId, HashtagId, UnixTimeStamp



Technology Stack

- C# and JavaScript
- Visual Studio
- Entity Framework Core
- Razor Templates
- MySQL
- Charts.JS
- TweetInvi - Twitter API C# library
- Azure Cloud Platform
- SQL Server Management Studio



Demo



What I Learned

- Async and multithreading
- Maintaining a constant data stream
- Writing data into a database using SQL
- Working with large datasets
- JavaScript- Charts.js and toggle buttons
- Azure platform- Creating, maintaining, debugging
- SQL Server Management Studio



What's Next

- Find way to allow users to see data for hour, day, week, month for top ten and individual hashtags
- Allow users to select a specific date/time range that they are interested in
- Allow users to find top hashtags for specific languages
- Add information about what each hashtag means
- Add first recorded usage for each hashtag

