SLIDE 1

Hello and welcome to team four, aka Team DoneThrowingUpBy9's submission for the MongoDB SA March 2022 Hackathon.

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SLIDE 2

We decided to build a News Aggration Application. This use case is inspired by a possible project with a current customer.

The customer is a large financial institution with the desire to provide a single portal for it's analyst to view data aggregated from different upstream news services and providers

They also want this repository of articles to be easily searchable, with features such as type ahead, so that the analyst can zero in on a word or phrase that is relevant to them.

They would also like the ability to observe evolving trends in metadata around the searched terms to help them gather additional insight.

First we would like to quickly walk you through the application from a user's perspective, then take a quick look at how we leveraged Atlas' Data API, Atlas Search, and Charts to provide the UI we just walked through

<switch to front end of News Alerts App home page>

For data purposes we sourced relevant news articles from a few news services and also used mLocust to generate metadata that would be relevant to our proposed use case. The application was built using HTML and Javascript and hosted on Atlas' app services.

Upon arriving at the app, the user is automatically presented with the five most recent articles, as retrieved from Atlas' new Data API. The front end calls a https endpoint (part of our app services feature) that invokes a function that Paul wrote to call the data api to get recent records..

<click> search - use a term such as "Morgan Stanley" to demonstrate type ahead

From here a user can choose to search for a given term or terms. As you can see here, we created a search index that allows for type ahead to help guide the user's search. Upon submission a new list of articles is returned, leveraging the index created.

<click> charts button

It is reasonable to expect that analysts concerned with being on top of the latest trends will wish to see what else everyone in the world is searching, as well, or where most of the information is coming from.

There is some art of the possible going on here, but we decided it would be interesting to populate metadata around articles such as country of origin where the most interest lies, as well as providing a word cloud of most popular search terms. Both are these visualization being provided by Charts and reading directly from the relevant collections

<click>

To wrap it up, Team Done Throwing up by Nine would like to thank every member of Team Done Throwing Up by Nine for pitching in, and wish every team, good luck.

Go Atlas!.... Search :)