

Michael Cissokho

Springboard Capstone Project Proposal

For my capstone project the idea I would like to go with is:

News Commentary Site

I wanted to create a website that will pull from NewsAPI or GNews API with possible substitutes being specific news channel API's like NYtimes or BBC and have a homepage that pulls a random assortment of articles from many publications, allows users to search for articles or publications of their own choosing and save articles, comment on articles.

The goal of the website will be to be a hub for people to see popular news articles from around the world and comment and discuss with each other.

The demographics of the users will be the general public, the api of news articles should likely be vast enough for almost everyone to find something there they would like to learn about or discuss.

I plan on using the "News API" but if that doesn't stay free or there is a time limit then I plan on using a different news API and possibly in the future using sentiment analysis API to highlight biases of varying sorts on an article before the person reads so they're more informed.

The database schema will look like one that has a users table, an articles table and then the users will have comments which will be its own table and saved articles hopefully which will be part of the users table via foreign key through articles table.

Issues I may run into with my API are articles not populating properly, saved articles either changing location within API but not my database or just being removed all together basically eliminating the saved article for my users.

Sensitive information to be protected would be the passwords of each user.

Functionality will include users ability to save or favorite articles for future use, hopefully in the future sentiment analysis to expose bias, and then the ability for users to comment on posts.

The user flow will most likely look like users signing on, being greeted by a homepage of a general collection of articles, clicking on one of them, or searching for something in particular(article topic, publication, etc) and then seeing thumbnail plus comments, and then being able to click on article to go to link and read in full.

Biggest stretch goals would be to integrate sentiment analysis api and color code articles for simpler understanding by user.