



FrontPage

CS 495:

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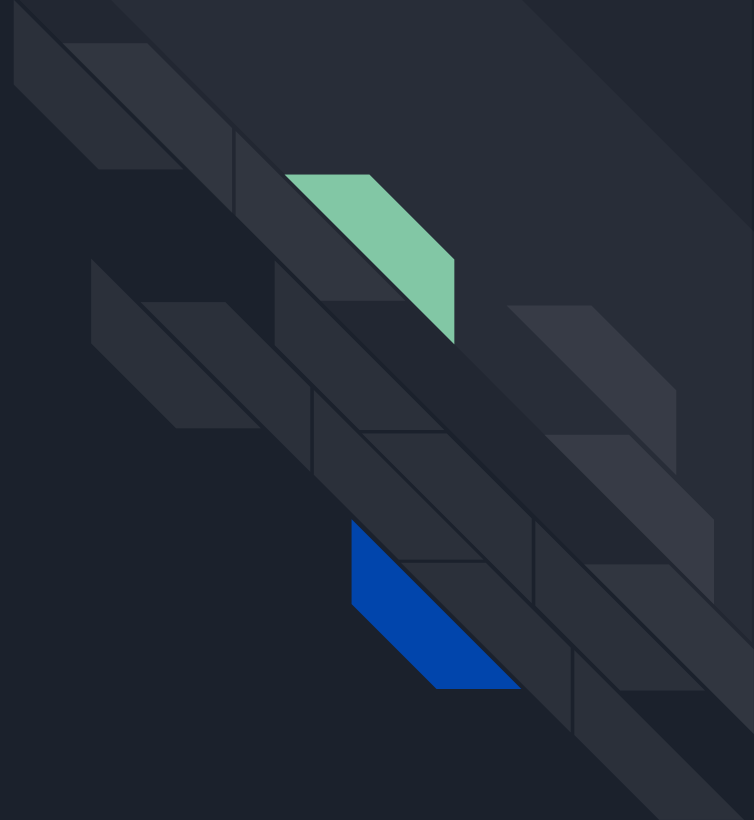
Agenda

- Problem Definition
 - Understanding the Problem
 - Scope
- Presentation of Diagrams
 - Class Diagrams
 - Sequence Diagrams
 - Database Diagrams
- Updates to the Project
 - Competitor Analysis
 - Stretch Goals
- From Our Desk





Problem Definition





Understanding the Problem

67% of adults get news from social media

26% of adults get news from multiple social media platforms

0% get multiple sources for news in one place

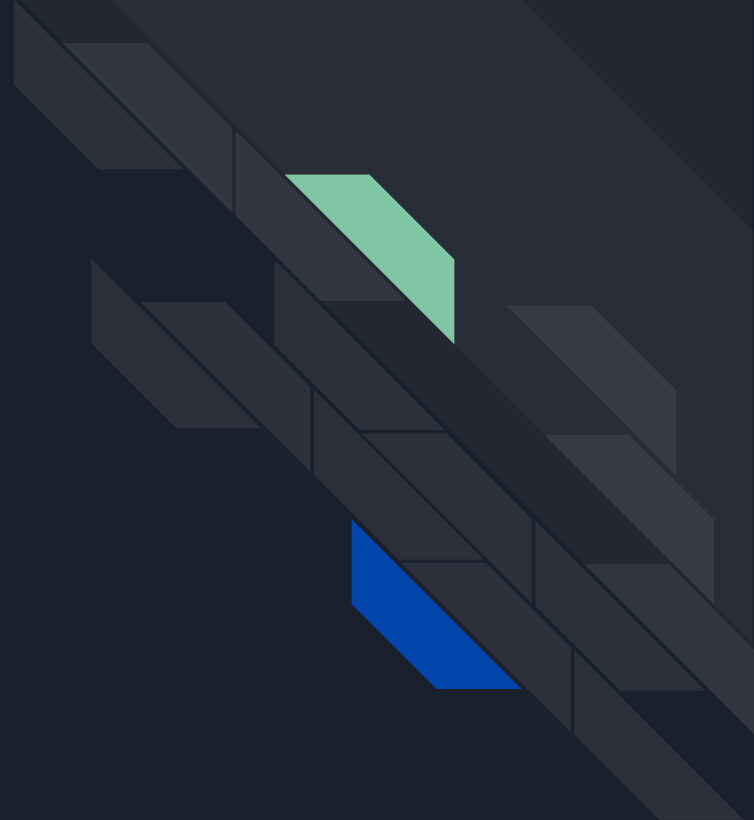
Project Scope: The New Front Page

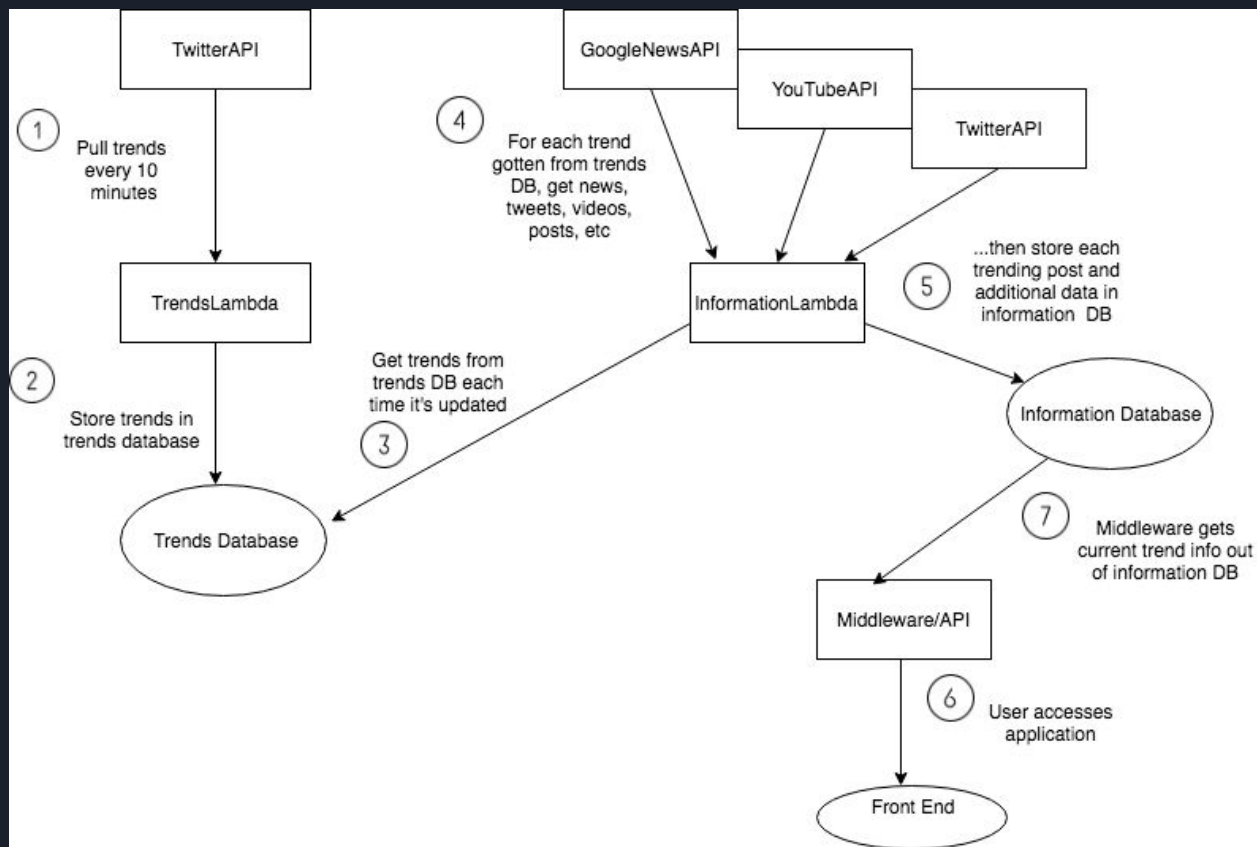
- Wake up 10 minutes later
- Practically and politely ignore Great Aunt Audrey's NRA commentary
- Be the talk of the water cooler



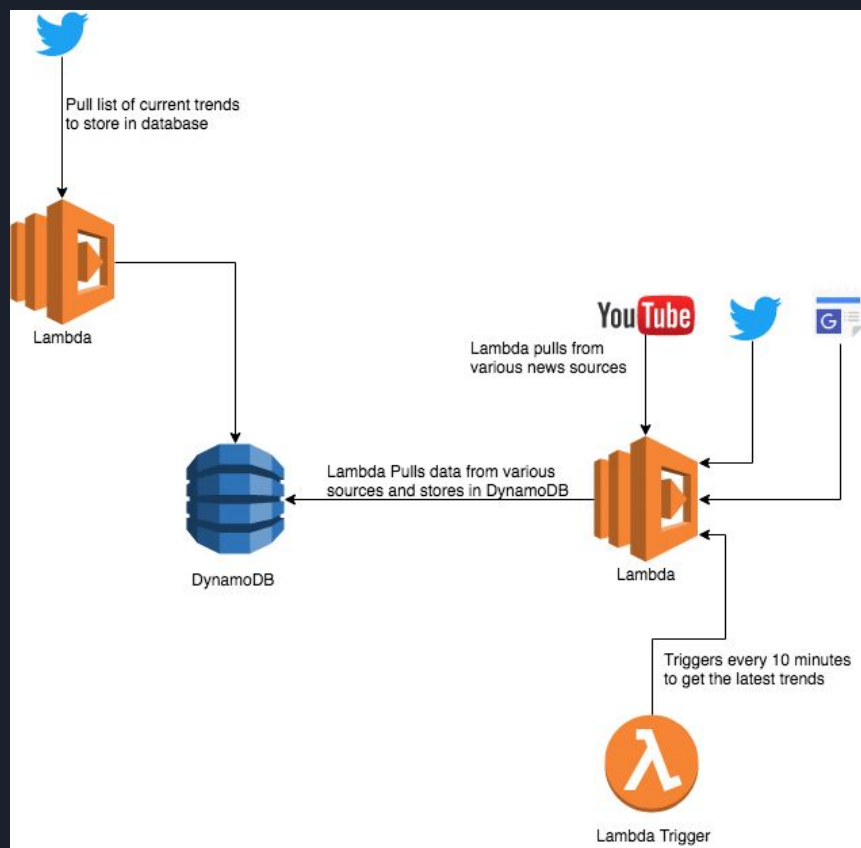


Diagrams





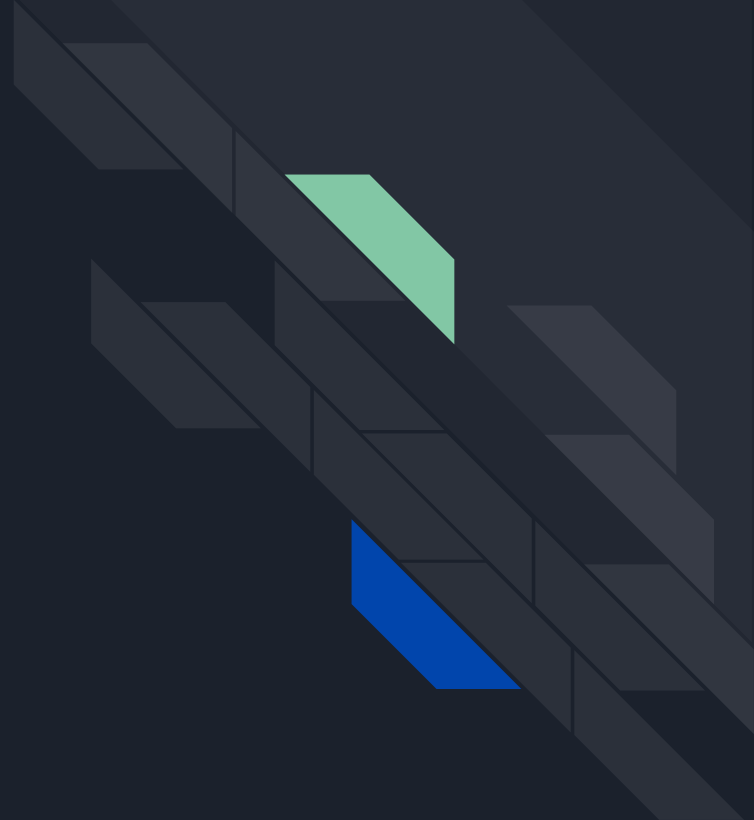
General Overview of Structure

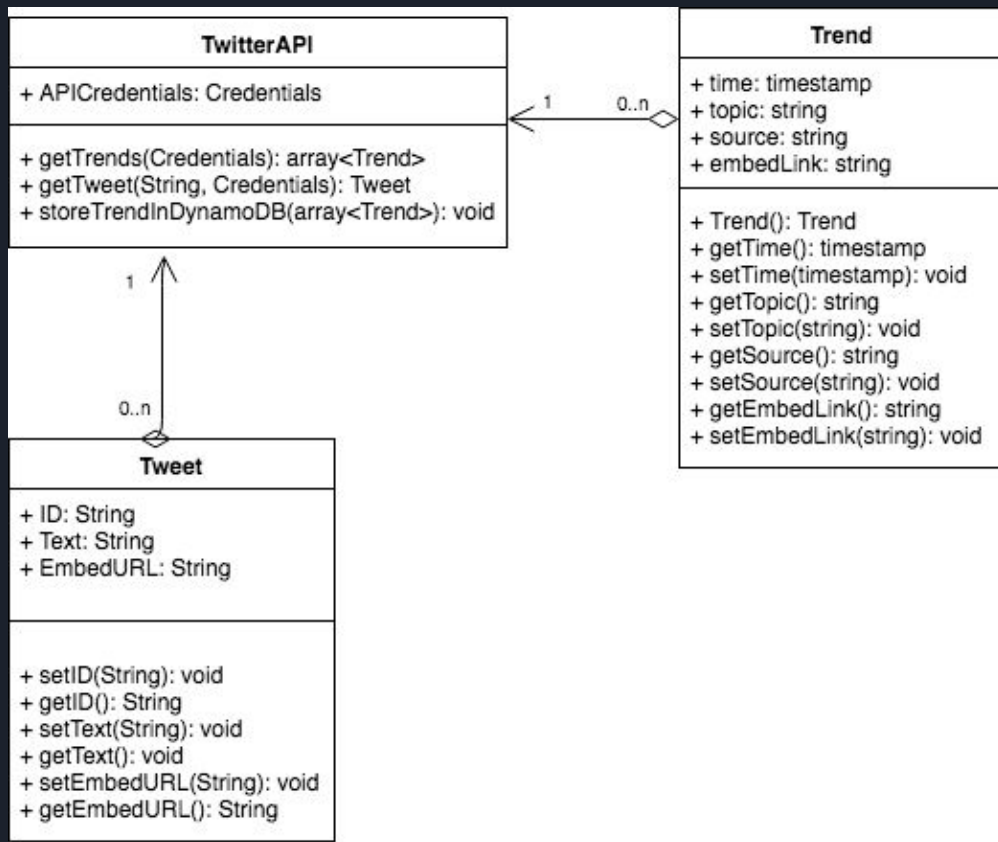


Storing Trends Flowchart

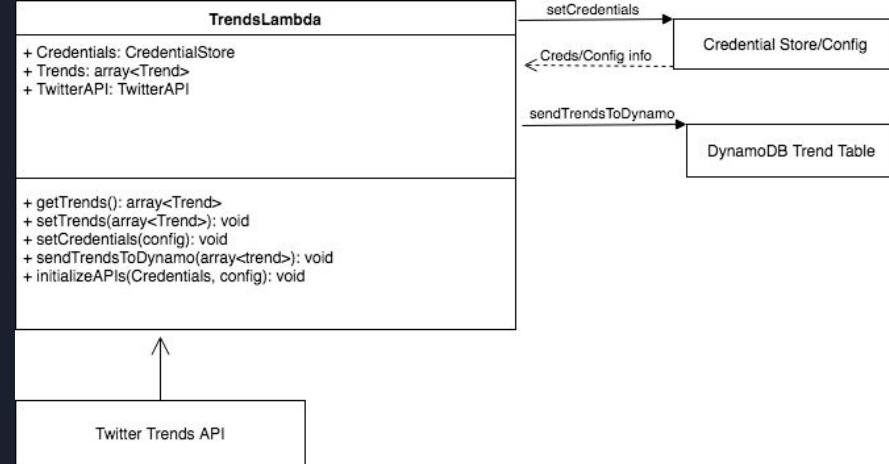
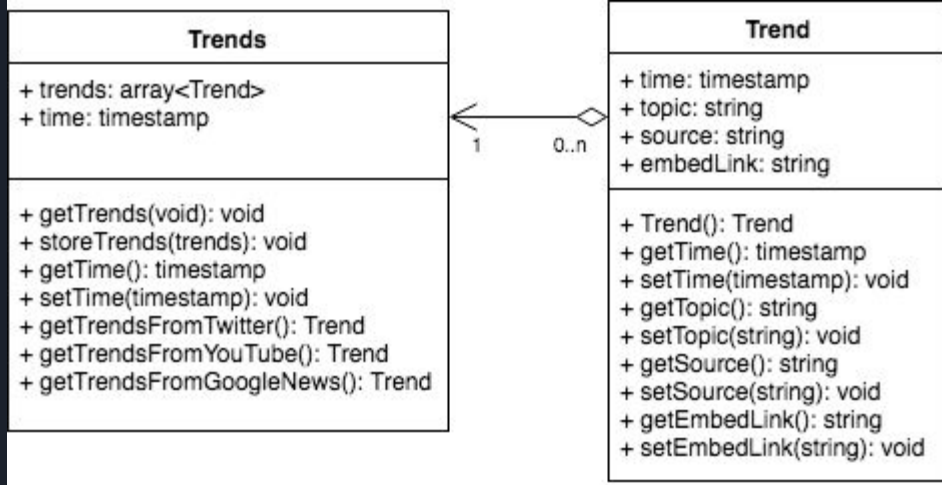


Class Diagrams

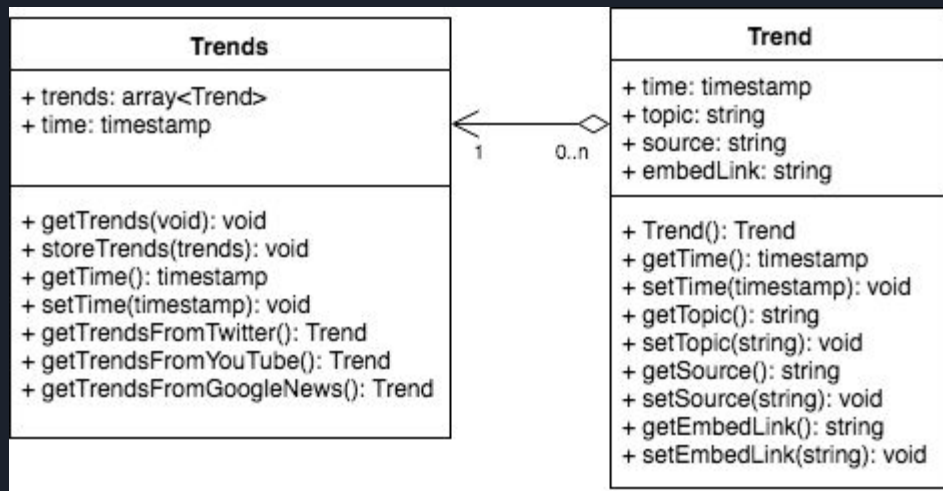


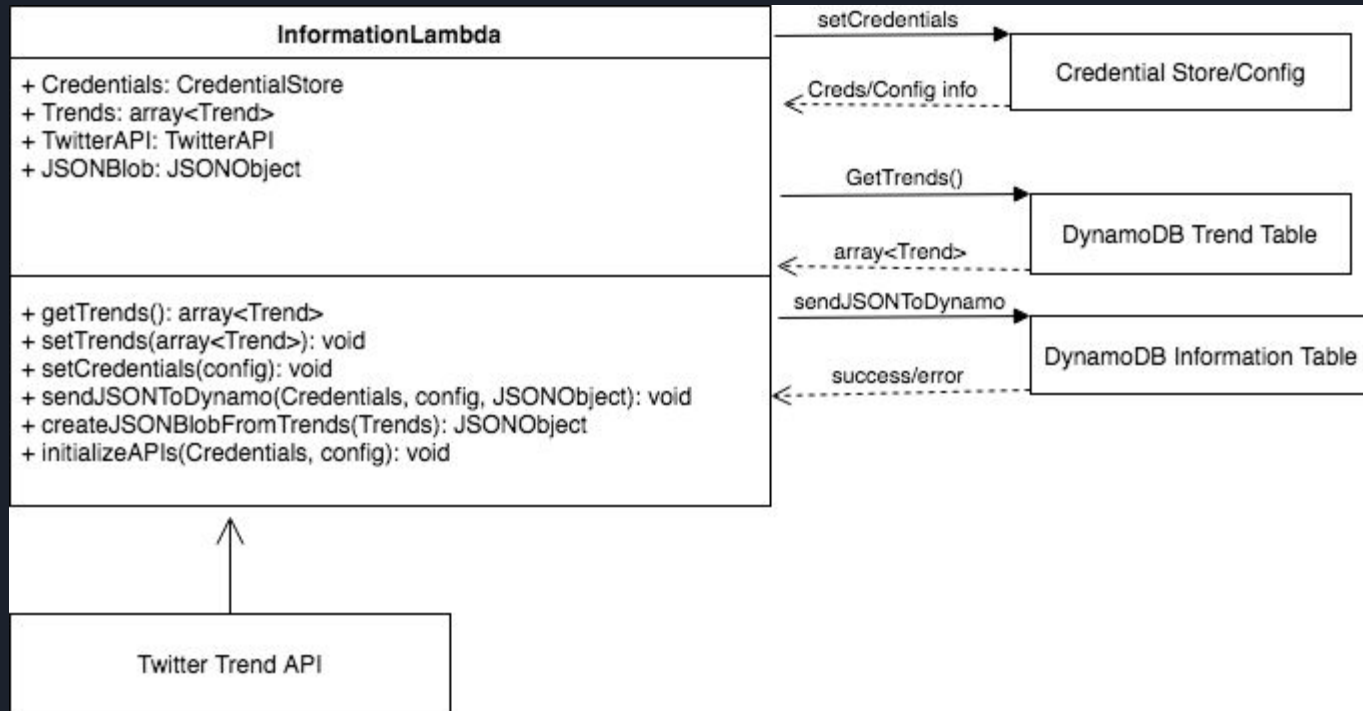


TwitterAPI Class

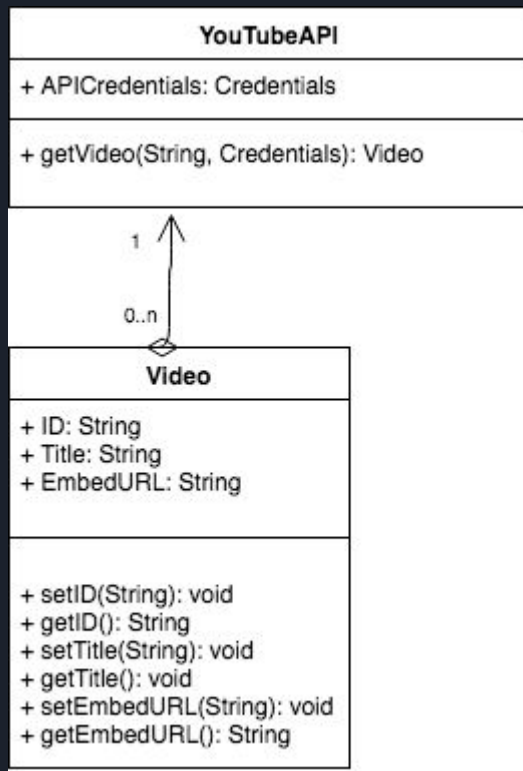


TrendsLambda Class

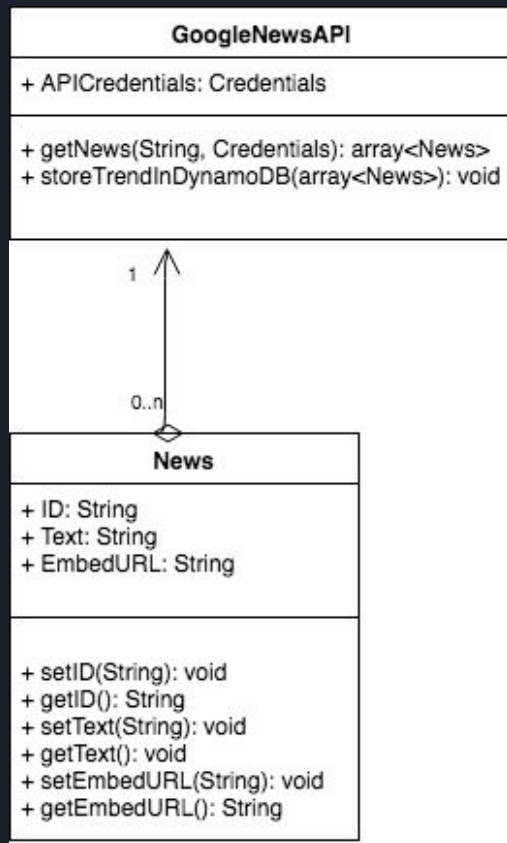




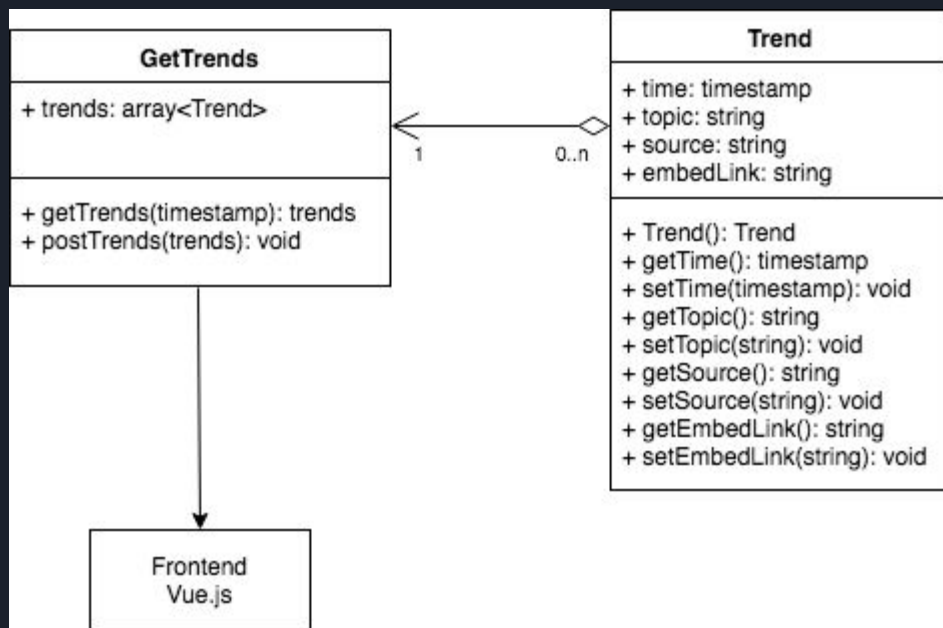
InformationLambda Class



YouTubeAPI Class



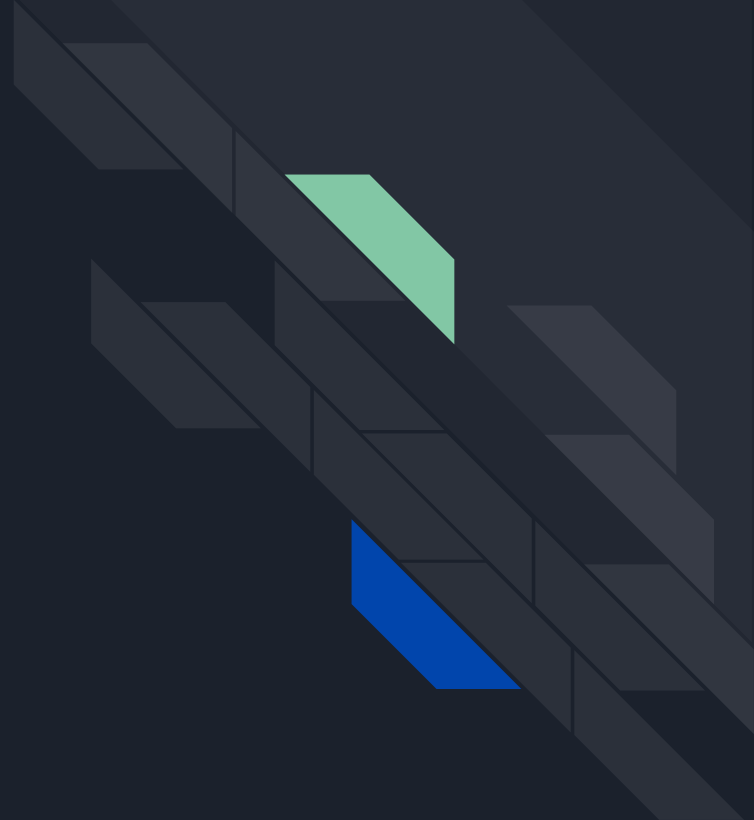
GoogleNewsAPI Class



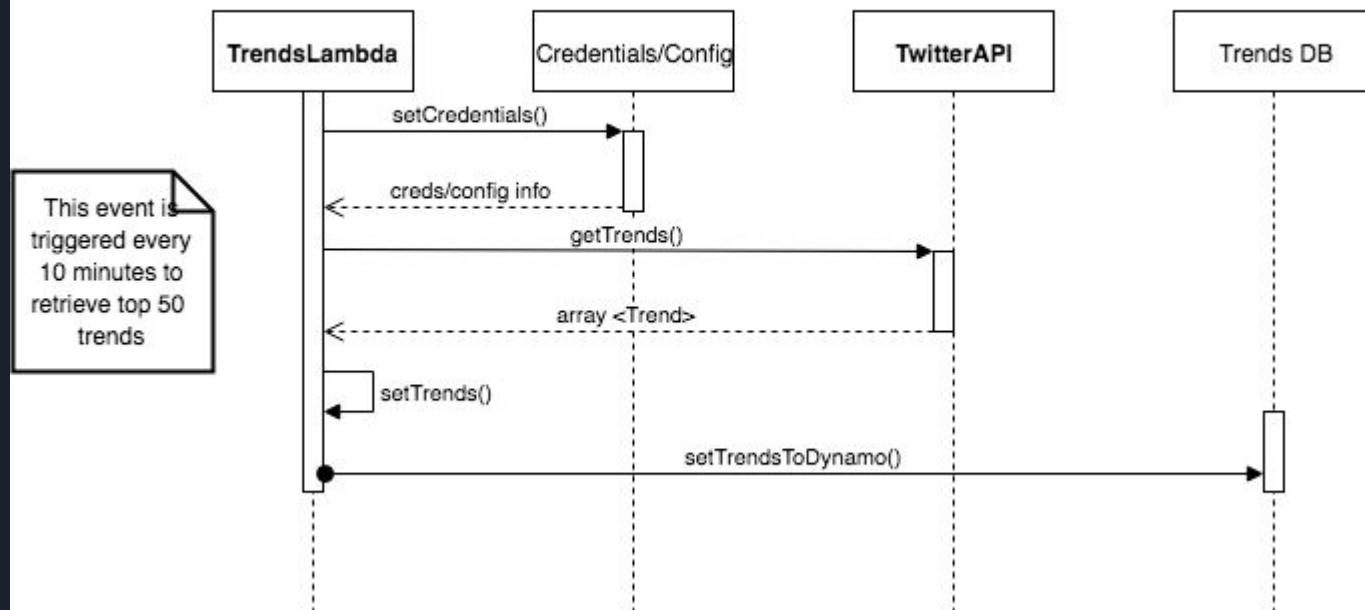
Middleware Class



Sequence Diagrams

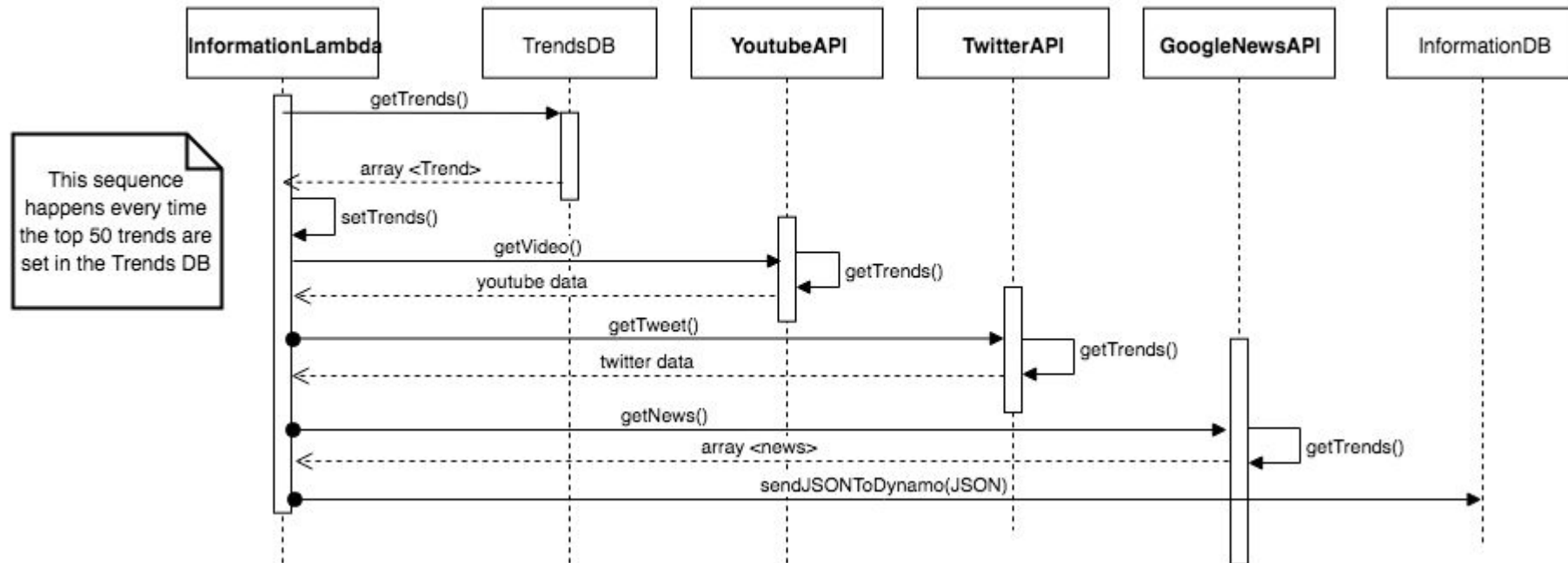


1. Fetching Top 50 Trending Topics



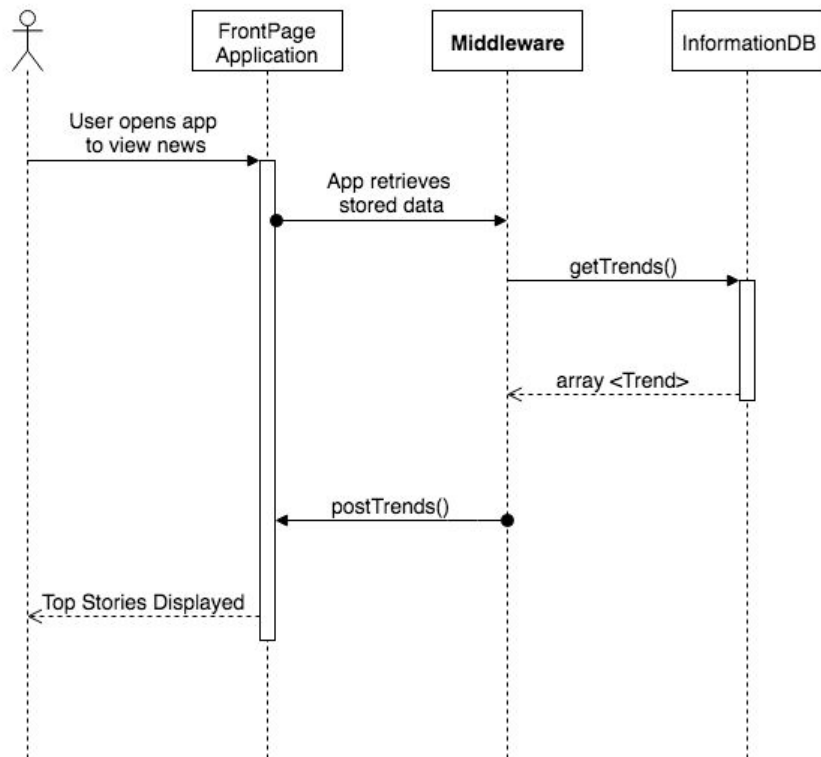
Fetching topics based on time interval

2. Retrieving Top Posts based on Trending Topics



Retrieving trending posts from database

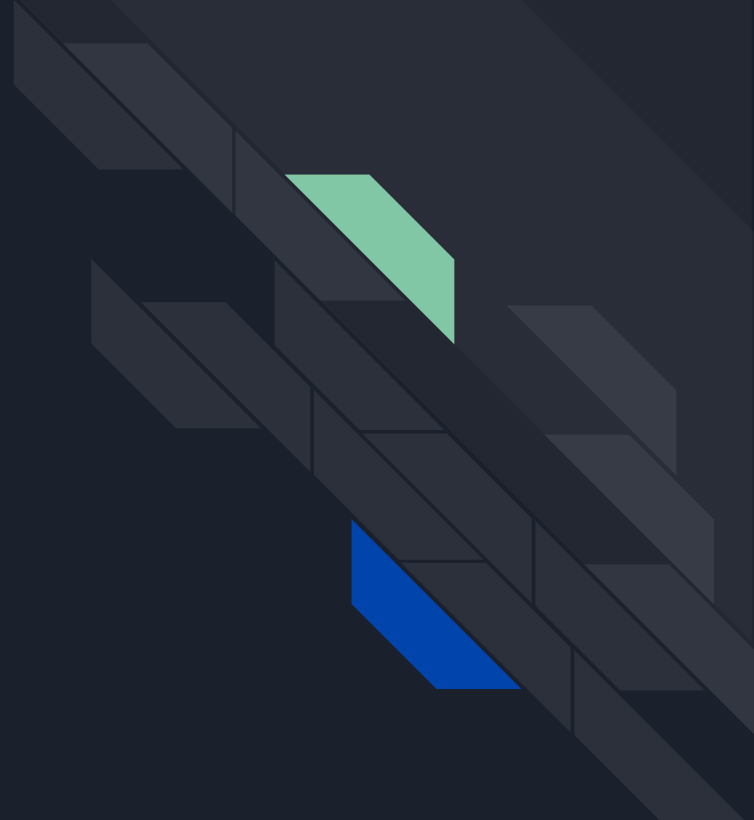
3. User Views Stories



User facing sequence



Updates to the Project





How are we Different?

Application	Trending news will be determined by pulling data from various social media platforms and identifying the most prevalent topics	Top stories will be updated in semi-real time based on a predefined refresh delay	Clicking on a post will redirect users to the appropriate source	The application will list metadata regarding the popularity of each post, including how many views or reposts
FrontPage	full	full	full	full
Google News	partial	partial	full	No coverage
Apple News	partial	partial	full	No coverage
Reddit	No coverage	partial	partial	partial
Twitter	No coverage	partial	partial	partial
flipboard	partial	partial	partial	No coverage

Feedback and Redefinition of Goals

- Focus development on what makes us different
- Personalization of searches
- Importance of MetaData





From the Desk of FrontPage

- Analyze pull requests
- Brainstorm best way to store trending posts
- Opportunities for growth outside of trending posts
- Figure out how to store metadata