Sprint Review 4

Thursday, 29th October



Hello Again 💉





...and our first MVP was born!

- Creation of the App TheSentimentalists.github.io
 - Scans the content of a News Article and provide insights of sentiment / intent behind them
- Main Features:
 - URL input by the user
 - Article Details (Title, Summary, Keywords / Tags)
 - Sentiment Analysis (Polarity, Subjectivity)
 - Website Credibility (Score, Category, Source) via API call
- Main technology used:
 - React / JS; AWS (lambda); Python & Rule based NLP methods



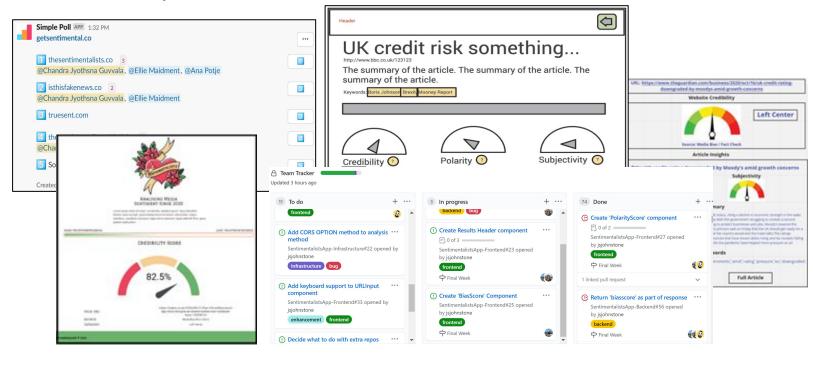






What we did

Reviewed priorities and defined the 'final features' for our MVP





What we did

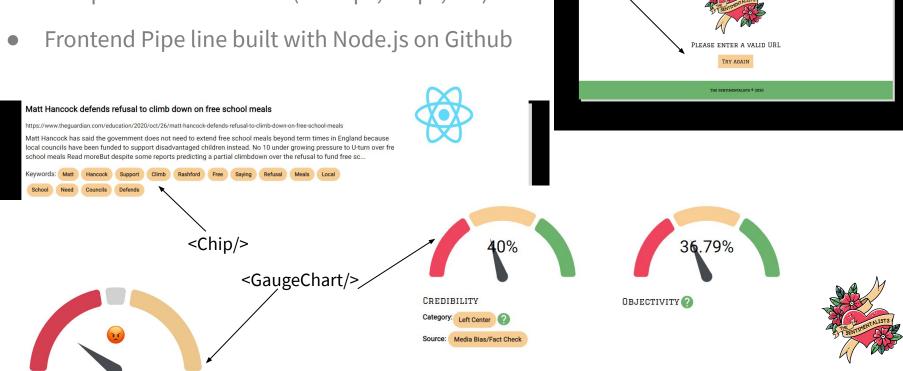
- ...and implemented those features!
- √ 'Subjectivity Score' component
- √ 'Polarity Score' component
- ✓ return article header/summary from API
- ✓ return article keywords
- frontend error handling
- √ 'Trust Score' component
- √ 'Results Header' component

- ✓ split 'Credibility Score' from 'Display Result'
- ✓ article 'Summary' component
- refactor 'Display Results'
- √ loading/processing function
- ✓ New production URL API (earlier test)
- ✓ return 'Trust Score' from API
- frontend **pipeline** automation



Front End

Components we've built (tooltips, chips, etc)



<ErrorBoundary/>

UX/UI

- Presenting each set of data in the most user-friendly format
- Creating meaningful visualisations
- Considerations about what will render in the event of an error
- Visual signifiers what can users see while the backend is performing the analysis



Trust Analysis

green > 70%	TRUST SCORE
yellow < 70% >	TRUST SCORE
red < 70%	TRUST SCORE

- Progress bar to indicate Trustworthiness of an article
- Trust Score :
 - calculated considering credibility, objectivity and polarity score
 - o **Error message** in a scenario where value/s are unavailable
 - o Python, Pytested code with Material-ui, React at the front end









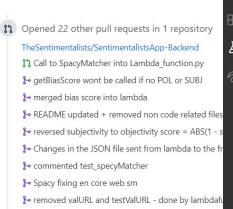


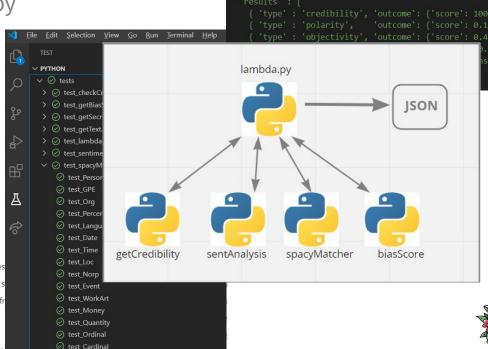






- Finalized Lambda_Function.py
- JSON returned to frontend
- Pytests validated
- Backend README updated





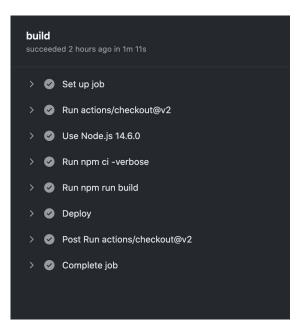
JSON to return:

'header' : 'PM admits failings as England's Covid contact', 'summary' : Boris Johnson and his chief scientific ...',

Pipeline Fun and Games

- Built the frontend pipeline!
- Regex Module and Docker Containers!
- NLTK Assets, and Lambda upload limits!
- ...and X-Ray Profiling!







Requests Parafiling profile requests and identify opportunities for improvement:





Final Touches X

• Stay tuned for a few fixes and surprises... you'll see more on Tuesday!





Questions?

