



Debias

The Agile Alliance

Members

Siddharth Bhardwaj
Michael Brog
Ruizhe Liu
Arshdeep Saini
Hengchao Xiang

Presentation Structure

About the Project

The problem we're trying to solve

01



Project Goals

Addressing key goals and feasibility objectives

02



Social and Economic Benefits

The social and economic benefits of our project

03



User Story

One agile user story

04

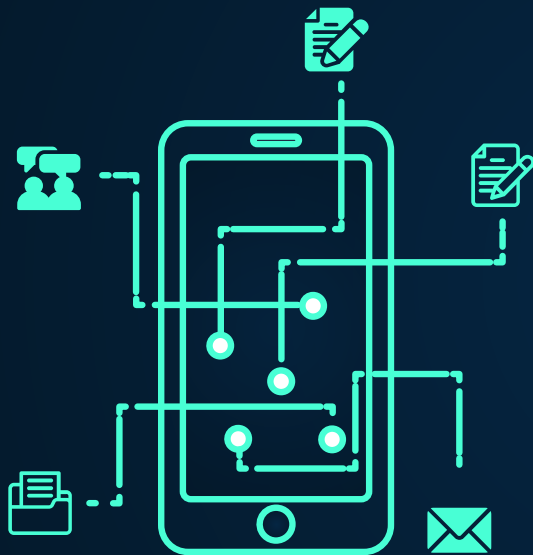


Comparison with existing system

The comparison with the existing similar applications

05





ABOUT THE PROJECT

Debias is a news aggregator that will enable users to filter through news articles by their tone. We get overall tone of an article by using the Watson tone analyzer to detect the tone of each sentence from an article and using these sentence scores we can infer the overall tone of the article. Using our front end, users can search for articles related to a topic and they will receive links these articles as well as scores relating to the overall tone of an article. Users can filter their search results so that they only display articles with particular tones. We hope this can allow users to see different reactions to the same topic and help give them a better perspective.

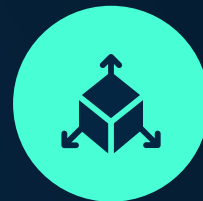
OUR GOALS



Reducing the spread
of fake news and
misinformation



Search the news with
a specific tone for a
topic



Improve the results
using users'
feedback

Social and Economical Benefits

- Unbiased perspective on an article
- Free-to-use
- Convenient for the Customer
- Avoid/reduce data-overload for Customer

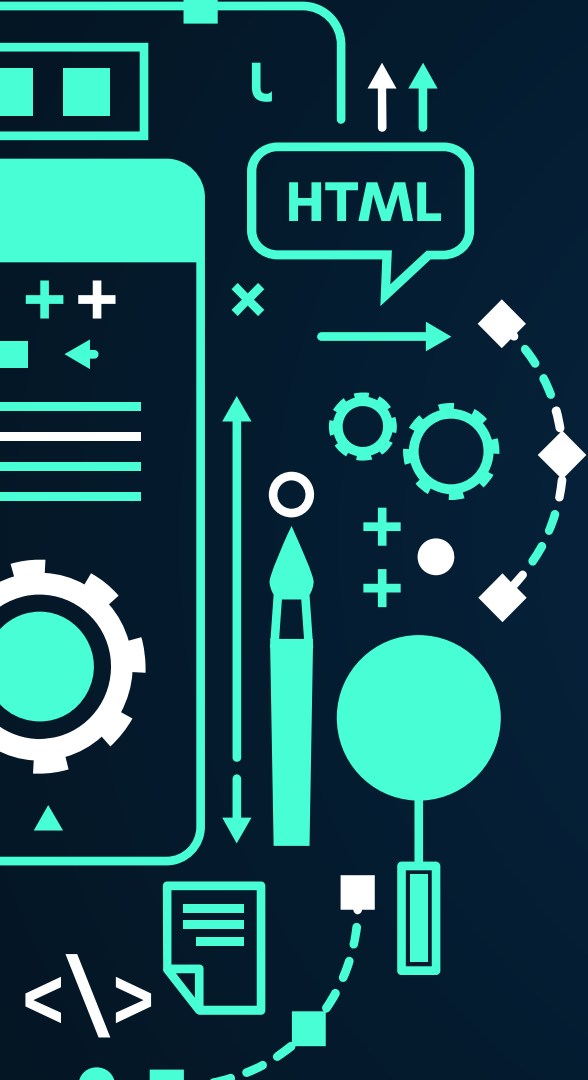
User Story



- **Story Name: Tone Filter**
- **Description:** As an end-user, I need to be able to add tone filters to the news search result so that I can get the search result aggregated by the tone analysis.
- **Acceptance Criteria:**
 - The tone filters are coming from the tone analyzer, including Anger/Fear/Joy/Sadness/Analytical/Confident/Tentative.
 - The search result should firstly show up without any filters simply based on the key word.
 - The results with filters are sorted by the score of each tone result.
 - The user should be able to combine different filters and get the corresponding results.
 - A notification should show up when there's no result for the combined filters.

COMPARISON WITH EXISTING SYSTEMS

	Debias	Google news	Flipboard
News filtering logic	Tone categorization (Anger, Fear, Joy etc.) Tone consistency score, hotspots	News categories User location News sources Trending topics	News categories User preferred location User selected news sources User defined keywords
News feed bias	Stays neutral	Based on user profile	Based on user profile
Goal	Discoverability Minimum filtering Prevent user bias Efficient to get a different point of view	User engagement Form user bias Usage data collection	Customizable news feed User engagement User preference based bias Usage data collection



THANK YOU!

Feel free to ask any question.

<https://viloil.github.io/EECS4314-Team-Project/>