**TITLE: PERSONALIZED NEWS AGGREGATOR**

**ABSTRACT**

Our project aims towards transforming the way users interact with news content, by offering personalized and dynamic information. By integrating Application Programming Interface, such as News API, we will fetch real-time news data from reputable sources such as BBC, Bloomberg, and Business Insider, allowing users to stay up-to-date of the latest developments. To enhance user customization, filters based on company names, language, country, and popularity will be incorporated, providing a personalized news experience.

Using the capabilities of the News API, our platform will allow users to access articles published up to one month ago, providing a historical perspective on news events. Taking into the account of the user engagement, we will implement a feedback system within our platform. This system will collect user input to improve the overall user experience.

In addition to personalized news, our platform will include real-time weather updates sourced from the OpenWeather API. Users will be able to stay informed about the current temperature, receive short weather descriptions, and view icons for a quick visual representation of weather conditions. This integration ensures that our platform serves as a centralized information hub, encompassing both news and weather updates.

We try to create a dynamic layout that not only accommodates the latest news articles but also ensures a visually appealing user experience. The dynamic layout will adapt to varying content, making it easy for users to navigate and engage with the information seamlessly.

To summarize, our project delivers a comprehensive user experience by integrating personalized news, historical news access, real-time weather updates, and a dynamic layout.

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