

# Cloud Based News Tracking Application

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**Abstract:** In today's rapidly evolving global technological landscape, we benefit from swift connections and networks that enable instant communication with others. The majority of people are now equipped with daily use gadgets such as mobile phones, tablets, and laptops. To stay informed and updated in our fast-paced, information-centric world, it is essential to keep abreast of the latest developments and news. The Android news app offers a convenient solution for users to access the most up-to-date information from over 120 newspapers across more than 50 countries. The primary objective of this application is to aggregate news articles from around the globe and present them to users in an expedited manner with an optimal visual presentation. By doing so, users can effortlessly stay informed about global events and happenings, ensuring they remain connected in our ever-changing environment.

**Keywords:** Online news application, news tracker.

## 1. Introduction

The primary objective of the project is to develop an application that will display news articles and videos that have undergone a thorough review and approval process in the back end. Users will be able to browse through a wide variety of news categories, including articles and video content. The app will enable users to access detailed news information, images, and videos. Additionally, users will have the option to bookmark any news article or video for future reference. On the back end of the application, there will be three distinct user roles. The admin manager holds total control over all back-end functionalities, encompassing both user and content management aspects. Reporters and editors make up the other user roles, each with limited access to specific back-end functions. Reporters are accountable for creating news articles as well as curating visual content in the form of news videos. On the other hand, editors oversee the approval process and take on the responsibility of publishing reporters' work, including articles and videos. This structure ensures a smooth workflow within the organizational hierarchy while maintaining quality control over the displayed content.

### A. Important of News Application

In today's fast-paced world, staying informed about current events is of utmost importance. News applications have become an indispensable tool for individuals to access local, national, and international news quickly and efficiently. I will explore how news applications offer convenience and adaptability for users, followed by an analysis of their ability to provide tailored

content based on individual preferences. Finally, I will discuss the role they play in fostering an informed and critically thinking society.

## 2. Related Work

Native news apps are expensive and difficult to maintain. Native Publishers like BBC News or NY Times uses their own writers to manage articles and manage it. Many native newspapers are divided because of this which causes in lack of resources from one side. Android structure provides great capability with frameworks, libraries and APIs, with the help of it we can provide better user experience and combine these sources at one place while maintaining integrity of its owner. "Newsapi" provides API that returns JSON (JavaScript Object Notation) metadata for headlines and articles live all around the world at any time [2]. In this app we will be using this API for our better experience. Even after using this API it is possible that we can't reach maximum output of resources for that we can use Admin panel where admin or writers can add news of their own, manage and delete it. This contain will have separate database and access bar which will be labelled as "local news". A module can be implemented where user will have different local news based on his location.

## 3. Proposed Work

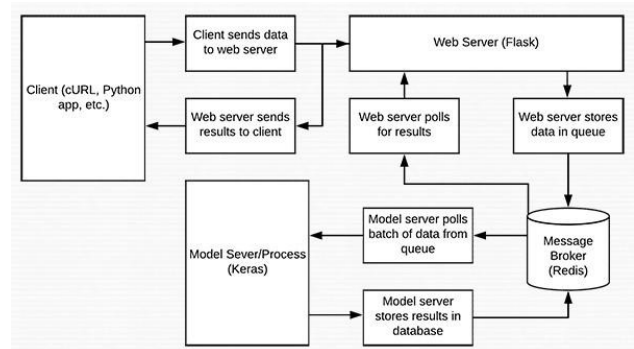


Fig. 1. Block diagram

## 4. Results and Discussion

The home page is a central aspect of any news application, serving as the primary gateway for users to access the latest updates, stories, and features. With the rapid growth of technology and the increasing reliance on digital platforms for information, it is essential to create an effective and engaging

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news application home page that captures users' attention and keeps them informed. In this essay, I will argue that a well-designed news application home page plays a critical role in delivering content, fostering user engagement, and enhancing user experience. I will support this claim by examining various design principles, features, and examples of successful news application home pages.

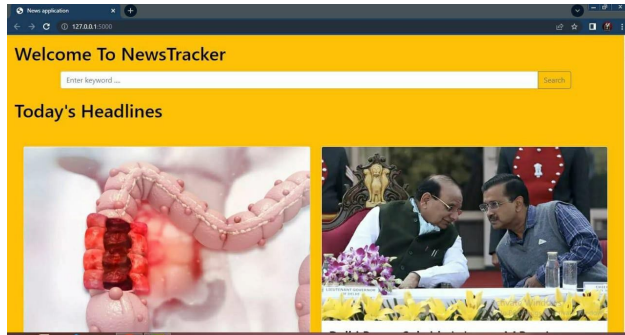


Fig. 2. News application

## 5. Conclusion

The existing system relies solely on clerical tasks, making it time-consuming and difficult. In our fast-paced society, individuals struggle to access news while on the move. The ability to read news online whenever convenient can be greatly beneficial. We have introduced a method for monitoring user's news consumption habits. Our future research will focus on the development of adaptive interfaces to establish a comprehensive adaptive mobile news framework, enabling automatic personalization of news applications.

## References

- [1] Y. Qi, L. Zhou, H. Si, J. Wan and T. Jin, "An Approach to News Event Detection and Tracking Based on Stream of Online News," 2017 9th International Conference on Intelligent Human-Machine Systems and Cybernetics (IHMSC), Hangzhou, China, 2017, pp. 193-196.
- [2] G. Xu, Y. Meng, Z. Chen, X. Qiu, C. Wang and H. Yao, "Research on Topic Detection and Tracking for Online News Texts," in *IEEE Access*, vol. 7, pp. 58407-58418, 2019.