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Quick Read News Application

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ABSTRACT:

Quick Reads is your essential Android application, if you do not wish to be left behind in the latest information and events happening in the world. With its user-friendly interface and updated content, this app ensures you are always in the know. Find out the reasons for developing Quick Reads as a means of providing a seamless news consumption experience to the users of Android. The primary objective of Quick Reads is quick news flash.

Keywords: Quick News, Updated content, Andriod application, Seamless, user friendly interface.

Introduction:

Quick read is happening in the fast-changing world. Itis designed using a very friendly interface to allow easy access to timely updates and breaking news. Since the application is continuously updating its content, you are assured at all times to have recently updated headlines and stories. Whether it's for commutting.

Quick Reads's main focus is in making the news consumption experience as enjoyable as possible. As the product emphasizes news flashes, it allows users to catch up on the news without having to go through pages and pages of arduous reading or too much information at one time. Of course, intuitive design also means that time-poor readers can easily catch up on what is going on in their lives, making it an invaluable tool for anybody wishing to stay in touch and updated in today's fast digital world.

Motivation of the project:

The motivation behind the Quick Read News Application is the need to meet the fast pace of information access in a speedy world. People do not have much time to waste and therefore cannot read lengthy articles, and there needs to be a more effective method to update them with all the news. This app would enable users to catch up with the latest news quickly, as it would provide summarized versions or bite-sized articles, saving them time and ensuring they do not miss important events. In this era of information overload, users are often overwhelmed by the sheer volume of news, and the app helps curate and condense the content into manageable chunks. It also offers the convenience of accessibility, allowing users to read on the go, whether during their commute or in between tasks. By focusing on key information, such as headlines and essential details, the app ensures that users can get the gist of the news without needing to dive into long stories. This user-centric design encourages habitual news consumption, allowing users to stay updated without being bombarded by information.

Literature Review :

1.Sunidhi Sharma, Dilip Kumar Sharma, " Fake News Detection: A long way to go " (2019):This paper by Sunidhi Sharma, Dilip Kumar Sharma (2019) Social media has created the possibility of making everyone, inherently and programmatically, a potential journalist, thus increasing the incidence of fake news. Researchers are developing ways to detect misinformation, using various datasets for rumors and stances. Some of the progress it made comes with some limitations: accuracy and scalability in detecting fake news.

2.Sara Capecchi , Antonio Lieto , Federica Patti , Ruggero G. Pensa , Amon Rapp" A Gamified Platform to Support Educational Activities About Fake News in Social Media"(2024):In their 2024 paper, Sara Capecchi and colleagues tell us it is an online gaming platform that has been designed as a tool to promote teaching about fake news among students. The game uses a social media simulation and fake browser to teach rhetorical fallacies in articles, while it was tested in Italian schools with promising usability and engagement results with some limitations identified. Plans are underway to make the site more developed and accessible to all schools in Italy, free of charge, and future collaborations for different localized versions in other languages.

3.Pawan Kumar Verma, Member, IEEE, Prateek Agrawal ,Ivone Amorim,and Radu Prodan" WELFake: Word Embedding Over Linguistic Features for Fake News Detection" (2021)Pawan Kumar Verma and colleagues, ntroducing WELFake,a new model that is used in a dataset of more than 72,000 articles from four sources to reduce bias. It analyzes 80 features of language and selects only 20 significant ones for better accuracy and reduced complexity computationally. Two methods, TF-IDF and CV, applied to features using six machine learning models outperformed the results with better performance when using CV compared to TF-IDF. The features were 20 were categorized into writing pattern, readability, psycho-linguistics, and quantity for classifications

4.Mohammed Hazim Alkawaz, Sayeed Ahsan Khan " Use of Fake News and Social Media by Main Stream News Channels of India "(2020):Mohammed Hazim Alkawaz, Sayeed Ahsan Khan's 2020 paper The spread of fake news is rapidly increasing, and even government and mainstream media contributing to the problem. With biased news sources outnumbering unbiased ones, controlling fake news on social media is challenging Social media companies must implement stricter content policies and filtration systems to address the issue effectively.

5.Masanori Takano ,Yuki Ogawa ,Fumiaki Taka , and Soichiro Morishita" Effects of Incidental Brief Exposure to News on NewscKnowledge While Scrolling Through Videos" (2021):Masanori Takano , Yuki Ogawa , Fumiaki Taka , and Soichiro Morishita (2021): In this paper, we analyzed the effects of incidental brief exposure on news knowledge while changing channels on Internet television by combining the findings from user behavior logs and a questionnaire survey completed by the users. We found that incidental brief exposure can mitigate the negative effects of social media usage due to the significant interaction between the exposure and social media usage, although its main effects were not significant.

6.Ranojoy Barua, Rajdeep Maity , Dipankar Minj , Tarang Barua, Ashish Kumar Layek, "F-NAD: An Application for Fake News Article Detection using Machine Learning Techniques" (2019): Ranojoy Barua, Rajdeep Maity , Dipankar Minj , Tarang Barua, Ashish Kumar Layek (2019) This paper proposes a hybrid model using LSTM and GRU machine learning techniques to classify news articles into "Fake" or "Real." The model showed promising results on a custom dataset and other available datasets, demonstrating its effectiveness. An Android app has been developed for authenticating news articles from various online sources.

Problems Statement :

The problem with most reading apps today is that users download them to start reading news or articles, but a lot of them quit the app a few days later, thus resulting in low user retention rates. This problem has been caused by several underlying factors that affect the general user experience. One major issue is that users usually fail to find content that fits their interests. Despite the abundance of available material, users often find themselves presented with irrelevant articles or news stories, which eventually leads to frustration and, ultimately, abandonment of the app. There is a growing demand for features that can help users accelerate their reading speed without compromising comprehension, especially for those who need to absorb information quickly in this world where time is running out. This implies that content-reading tools are essential for more efficient consumption and could be summaries, or skimming features, and adaptive reading speeds.

Yet another critical challenge is that of accessibility. Many apps fail to adequately support their users with disabilities, which denies a large section of their potential user base proper opportunities. Reading apps should be designed and feature inclusive elements such as text-to-speech, a variable font size, high-contrast mode, and similar options to make them suitable for visually impaired people as well as those with issues related to hearing. For those who cannot read print due to some other reason besides these, the app just becomes less accessible.

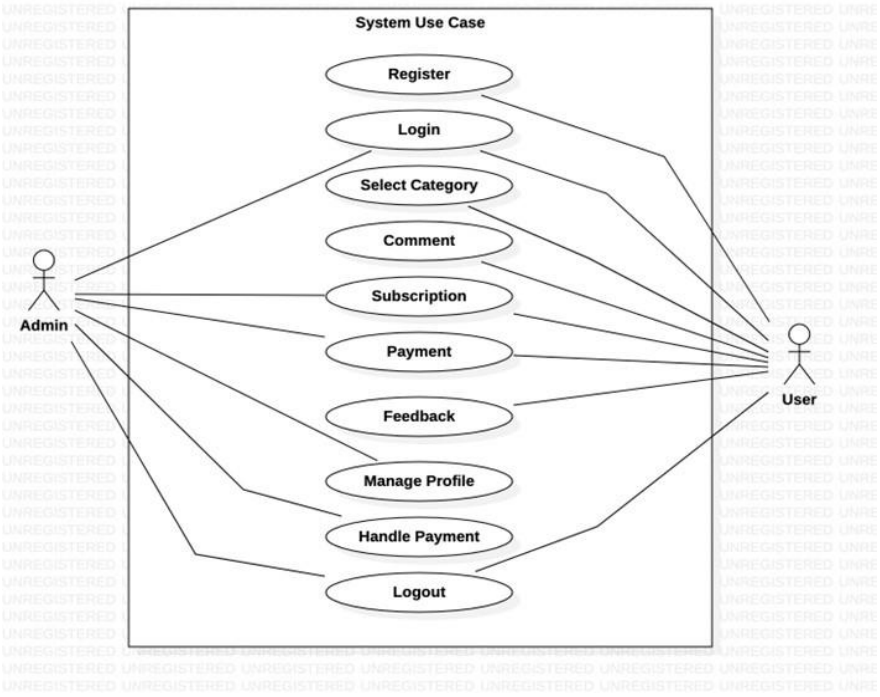
Proposed Methodology :

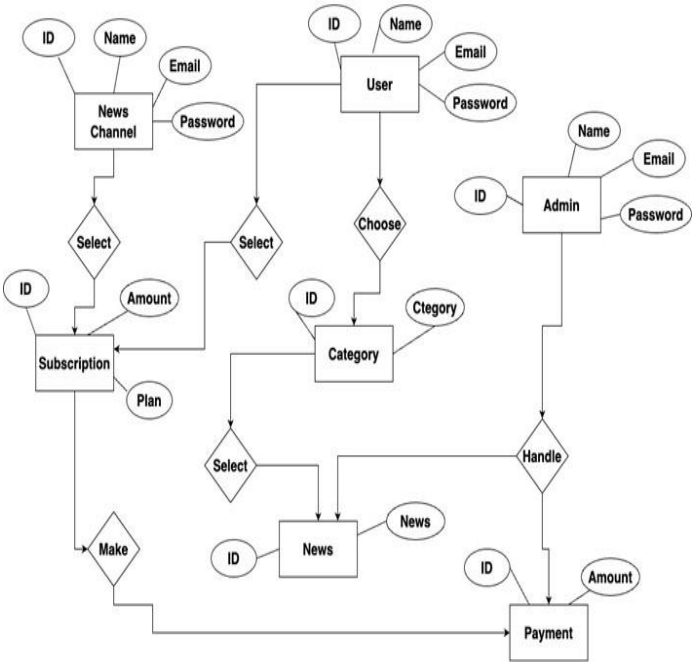
Feasibility Study

The Quick Read News App allows users to stay updated with the latest stories with just one click, making it a simple and fast way to access important news. Users can browse through headlines and summaries to catch up on current events in no time. News channels can also upload their articles or updates directly to the platform. News items are checked by the admin for accuracy and credibility before publishing. Users can also share news articles with their social networks or even through direct messaging, promoting community engagement. The app also supports real-time updates so users never miss breaking news. Also, the system allows saving articles for later reading in case a user has no time to read them all at once.

System Activity diagram

This System Activity diagram outlines a user-friendly flow for News application. Here's a detailed explanation:





Objective of proposed methodology

the main objective that Quick Reads were designed to provide Android users with fast, efficient, and engaging access to the latest news updates. In the high-speed life of today, many people are finding it hard to spare time to read long articles, hence Quick Reads that delivers concise news flashes within seconds summarizing the main key events. The app will allow users to stay updated without requiring in-depth reading by providing bite-sized, yet informative summaries. Quick Reads also tries to enhance user engagement by providing personalized content recommendations, making sure that the news delivered is relevant to each individual's interests and preferences. Now, with a streamlined, user-friendly interface and real-time news delivery, Quick Reads fits into the busy lifestyles of users while keeping them abreast of current events at any time from anywhere.

Besides providing instant, brief news, Quick Reads seeks to increase user engagement by providing up-to-date information on the most popular topics, so that users will always be aware of what is happening. The app is created with the intent of facilitating user convenience. Users can customize their preferences for news based on the topics of interest, location, or even specific news sources. With its intuitive interface, Quick Reads makes it easy for users to navigate through various categories, whether they are interested in politics, entertainment, technology, or sports. The app also allows users to

quickly share articles with friends and family, helping to spread important news rapidly across social networks. Quick Reads keeps the users informed and connected to the news in real-time, allowing them the freedom to engage with the material at their own pace while keeping up with the needs of their personal lives and preferences.

Conclusion :

Quick Reads is launched to address common issues in reading apps; namely, a high incidence of low retention rates, difficulty in finding relevant content, and the constant desire to increase reading speed without compromising comprehension. Offering quick and concise news updates, Quick Reads caters to constrained time users by ensuring that it is easily accessible information that aligns with their interests. This user-centric approach provides the basis for improving engagement and eliminating much of the frustration usually associated with other reading platforms.

Quick Reads also shows regard for accessibility; that is to say, the app will be designed to accommodate full access for users with disabilities. Integration into very busy lifestyles will be the key aim of the app itself, becoming that comfort return for long periods of usage. In this sense, it will feature an impact on the way news consumption becomes thoroughly more efficient, inclusive, and delightful.

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