Local Insight: A Dynamic News Feed Hub

Dr.A.Anandh[1], M.Harish[2], S.Ganapathy Raman[3], R.Yogesh[4]

[1, 2, 3, 4] Dept of Computer Science and Engineering,
[1, 2, 3, 4] Computer Science and Engineering,

Abstract- *In the digital age, mainstream news often fails to effectively engage users directly, resulting in a lack of diverse perspectives and timely local updates. Users increasingly seek an accessible platform for active participation in news sharing across various topics. To address this, we are introducing a user-centric approach where registered users can effortlessly submit, share, and engage with news articles. By bridging the gap between traditional news outlets and user-generated content, we aim to foster a dynamic and inclusive community-driven news-sharing ecosystem. PHP, as one of the most widely used languages for web development, faces challenges due to its unstructured development model, which often results in mixed code for data access, business logic processes, and web presentations, causing confusion and problems for developers. However, PHP frameworks provide a structured foundation for building web applications, promoting rapid application development (RAD) by offering a clear framework for organizing code and facilitating efficient development processes.*

Keywords- Aggregation, Personalization, Dynamic application.

I. INTRODUCTION

Effective data visualization is one of the cornerstones of clear scientific communication (Friendly, 2008). Numerous guidelines have been written about what makes for good data visualization, from choosing the right type of graph to using color wisely and adapting to one's intended audience. Other recommendations have emphasized transparency in displaying statistical results, for example, with a shift from the onceubiquitous bar plots to more comprehensive graphs that include various distribution properties.

Recent increases in data complexity and software capabilities have paved the way for more sophisticated ways of presenting findings. This is especially visible in popular scientific communication, in which a specific mode of presentation—dynamic data visualizations—has flourished. With a blend of animated and interactive features, dynamic data visualizations can be found in the classroom, the news media (e.g., The New York Times), information campaigns by nonprofit organizations (e.g., Our World in Data), and TED talks. Many readers would have seen Hans Rosling's most popular talk, The Best Stats You've Ever Seen, in which he introduced multifaceted data in an easily digestible way using pointed animations to direct the audience's attention and stress important information. The dynamic style of Rosling's presentation has since gained traction, and many writers and speakers from academia to government and industry have embraced the trend. Clear, powerful visualizations have become especially important given the growing need to accurately inform populations about high-stake problems that require collective action, such as global warming or pandemics.

II. LITERATURE REVIEW

Kartawinata, Budi & Pradana, Mahir & Maharani, Dyah& Maulana, Stia& Banten, Yusuf & Wahyu Nugraha, Diki & Prodi, Nugraha&Jurusan, &Yusril, Mochamad& Prodi, Helmi & Harry, M & Prodi, K & D, Jurusan& Pos, Politeknik&Jln, Indonesia & Sari, Asih & No, & Kode, & Barati, Barat. (2020). Developing Web-Based E-News Application as an IT-Based Facility.

Information technology is one of the fastest growing technologies at this time. With the advancement of information technology, access to data or information available can take place quickly, efficiently and accurately. The function and purpose of this application is to provide convenience in posting articles in a web to provide information processing convenience by using CI-based web services. This application is made with web-based and uses the PHP programming language, in addition to using the PHP and MySQL programming languages as the database. In making this application adjusted Web-Based E-News Development as a Means of Information Technology. Information with website-based and by using the Mysql database to collect data on active users, posting with categories, clear and accurate information, making it easier for readers to find out information on E-News web users and any information will be known by visitors who have subscribed via the website.

Sheng, Dalian & A Hamid, isredzarahmi& Aman, Nani. (2018). Multilevel Authentication for Social Network. JOIV : International Journal on Informatics Visualization. 2. 220. 10.30630/joiv.2.3-2.146.

Nowadays, social network plays a vital role in communication. Normally user used social networks in daily activities. However, this left all online users susceptible to misuse and abuse. Recently, there has been a remarkable growth in number of hacking as well. Once the computer is online, anyone can have access to the network. Therefore, we proposed a secure social network site called Social Book where users can post status, photos and connect with friends. This system is developed using PHP programming language and Iterative and Incremental Development methodology. The purpose of developing this system is to solve unsecured login accounts and lack of user authentication problem. This system applies the secret question procedure when the user wants to change their account password. Moreover, Social Book use idle session timeout mechanism for additional security. When the user is idle for ten minutes, they will be logged out automatically. So, the user will be less worry about their account from being hacked and the identity impersonation by unauthorized user.

Sai Abhishek, Allena Venkata. (2020). Connect Life -A PHP based Social Media Web Application. 10.13140/RG.2.2.19848.44800.

The Connect Life is poised to revolutionize social media, providing a platform for virtual connections within VIT. This web application system offers administrators full control over the network. Its implementation in the real world leverages a blend of PHP, HTML, CSS, JavaScript, SQL, and Bootstrap, with a touch of Ajax for efficient user status retrieval. Through this platform, users within VIT can create profiles, share updates, photos, and videos, fostering meaningful connections and interactions. Administrators have the tools to manage accounts, monitor activity, and ensure a safe digital environment. The incorporation of Ajax enables dynamic updates, enhancing user experience with quick status retrieval. Connect Life serves as a comprehensive solution for the VIT community, facilitating social networking, academic resource sharing, and event organization. With its modern technologies and user-centric design, Connect Life is set to redefine how individuals connect and engage virtually within VIT, ushering in a new era of social media interaction and collaboration.

III. EXISTING SYSTEM

In the digital age, mainstream news falls short in engaging users directly, leading to a lack of diverse perspectives and timely local updates. Users crave an accessible platform for active participation in news sharing across various topics. Our project addresses this by introducing Local Insight, where registered users can effortlessly submit, share, and engage with news articles. This user-centric approach bridges the gap between traditional news outlets and user-generated content, fostering a dynamic and inclusive community driven news sharing.

IV. PROPOSED SYSTEM

Our system provides a comprehensive platform that aims to revolutionize the way users consume and engage with news content. At its core, the system features a centralized hub that aggregates news from a wide range of local and global sources, ensuring users have access to a diverse array of information. To enhance user experience, the platform utilizes advanced algorithms to curate news articles based on individual preferences, browsing history, and location, providing a personalized news feed tailored to each user. It also provides while a strong emphasis on content reliability and source verification addresses the issue of misinformation. The system also encourages active user participation, allowing users to contribute their own news stories and engage in discussions with the community. With these features, the proposed system aims to create a dynamic, trustworthy, and community-driven news platform that fosters informed engagement and connection among its users.
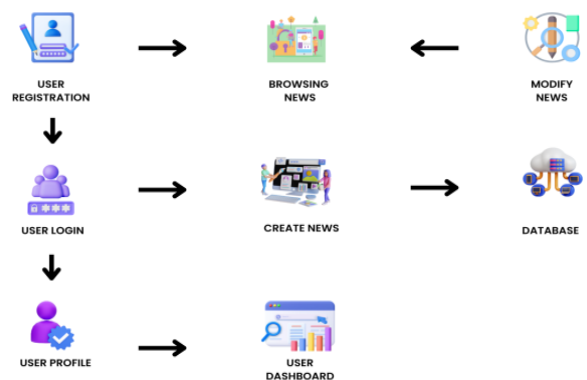

Figure 1: System Design

V. TECHNOLOGY USED

INRODUCTION TO PHP

The past five years have been fantastic in terms of the explosive growth of the Internet and the new ways in which people are able to communicate with one another. Spearheading this phenomenon has been the World Wide Web (WWW), with thousands of new sites being launched daily and consumers being consistently offered numerous outstanding services via this new communications medium. With this exploding market has come a great need for new

technologies and developers to learn these technologies. Chances are that if you are reading this paragraph, you are one of these Web developers or are soon to become one. Regardless of your profession, you've picked this book up because you've heard of the great new technology called *PHP*.

INTRODUCTION TO MYSQL

MySQL is a robust SQL data server developed and maintained by T.c.X Data KonsultAB in Stockholm, Sweden. Available publicly since 1995, MySQL has risen to become one of the world's most popular web servers, thanks to part of the server speed, durability, and flexible licensing policy.With the provision of MySQL embedding capabilities, combined with a large and very simple set of pre-defined integration functions, MySQL has undoubtedly become the most popular PHP partner.

VI. EXPERIMENTAL RESULTS AND DISCUSSION

1. Home Page

Home page showcases personalized news updates based on users' location and preferences, ensuring relevant and timely content delivery. Featuring intuitive navigation and visually engaging design, the module offers easy access to top local stories, trending topics, and customizable news feeds, enhancing user experience and engagement.
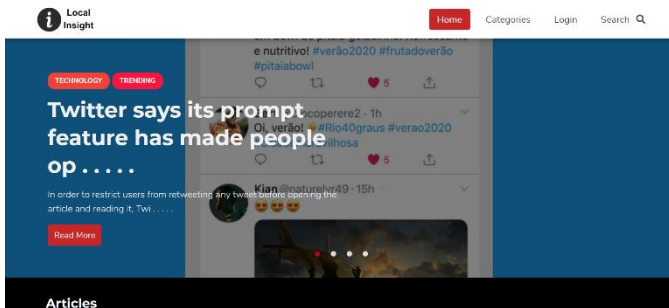

Figure 2: Home page

2. Login page:

Login page provides a secure gateway for users to access personalized news content and features. Utilizing robust authentication protocols, it safeguards user data and ensures privacy while offering seamless access to their personalized news feeds and preferences.
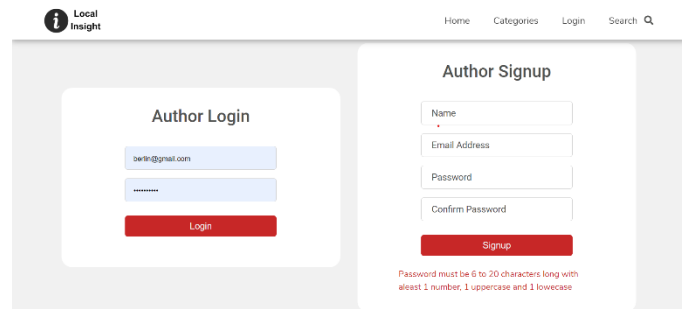

Figure 3: User Registration / Login

3. Add Article

This page provides a user-friendly interface for creating news articles. With clean layout and responsive design, it offers an immersive reading experience across devices.
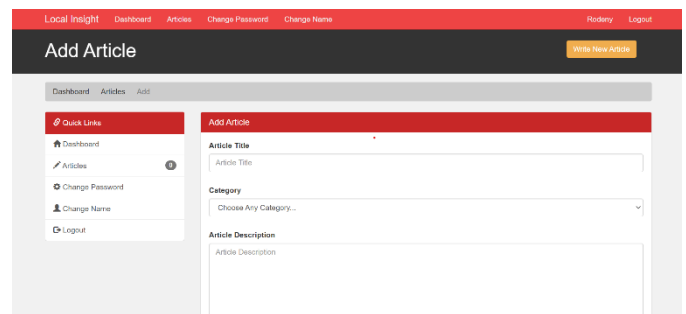

Figure 4: Create Article

4. User Article page

The user article page presents curated articles tailored to individual interests and browsing history, fostering a personalized reading experience. With interactive features such as comment sections and sharing options, users can engage with content and connect with their community.
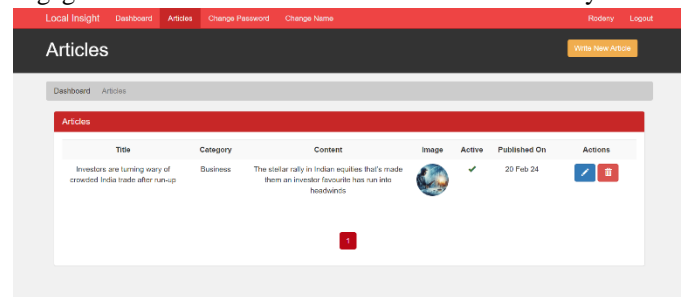

Figure 5: User Articles

5. User Dashboard

The user dashboard page provides a personalized overview of subscribed topics, favorite sources, and recent activity. Offering intuitive customization options, users can

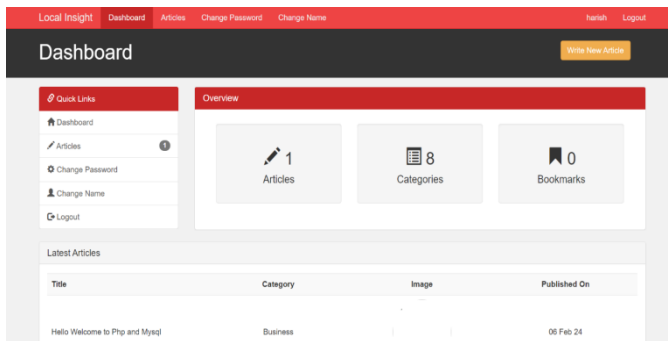tailor their dashboard to prioritize specific news categories and sources.

Figure 6: User Dashboard

6. Admin Dashboard:

The admin dashboard module provides comprehensive control and management functionalities. Administrators can efficiently oversee user accounts, content moderation, and platform analytics from a centralized interface. With intuitive navigation and customizable settings, the dashboard empowers administrators to optimize platform performance and ensure seamless operation.
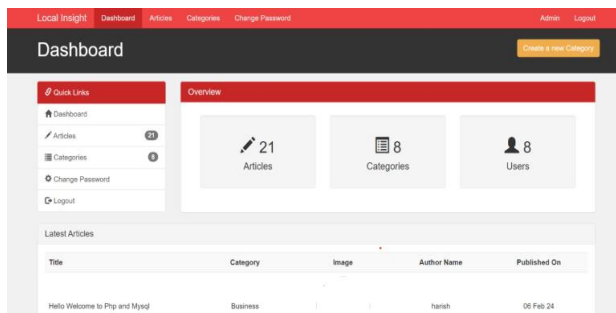

Figure 7: Admin Dashboard

VII. CONCLUSION

In conclusion, this holds promise as a valuable platform for delivering personalized and relevant news updates to users based on their location and preferences. By leveraging advanced algorithms and intuitive design, the platform aims to enhance user engagement and satisfaction in accessing local news content. As the digital media landscape continues to evolve, platforms like "Local Insight" play a crucial role in bridging the gap between communities and information, fostering informed citizenry and strengthening local connections. With ongoing development and refinement, "Local Insight" has the potential to become a vital tool for accessing timely and impactful news at the local level, contributing to the enrichment of communities and the promotion of civic engagement.

REFERENCES

[1] Jena, Bikram. (2022). Social Media Networking: An Analysis in the light of Web 2.0 Tools.

[2] Kartawinata, Budi & Pradana, Mahir & Maharani, Dyah& Maulana, Stia& Banten, Yusuf & Wahyu Nugraha, Diki & Prodi, Nugraha&Jurusan, &Yusril, Mochamad& Prodi, Helmi & Harry, M & Prodi, K & D, Jurusan& Pos, Politeknik&Jln, Indonesia & Sari, Asih & No, & Kode, & Barati, Barat. (2020). Developing Web-Based E-News Application as an IT-Based Facility.

[3] Khalid, Angham. (2022). Chat network study and design using HTML and PHP web programming. Indonesian Journal of Electrical Engineering and Computer Science. 27. 442.

[4] Sai Abhishek, Allena Venkata. (2020). Connect Life -A PHP based Social Media WebApplication. 10.13140/RG.2.2.19848.44800.

[5] Sheng, Dalian & A Hamid, isredzarahmi& Aman, Nani. (2018). Multilevel Authentication for Social Network. JOIV : International Journal on Informatics Visualization. 2. 10.30630/joiv.2.3-2.145.

[6] Tenzin, Sangay. (2022). PHP Framework for Web Application Development. IARJSET.9. 10.17148/IARJSET.2022.9218.