News Tracker Application

Problem Statement:

To develop an application that helps to track day-to-day news.

Need for application:

In today's hectic world, reading newspaper has become one of the traditional ways of reading the news. With the news being created every minute and relayed through TV, radio and internet, the updated news is already old by the next morning. At this digital age, people are captivated by smartphones or other mobile devices. They want all necessitous information to be found at their fingertips.

News Tracker is an application designed to enhance and optimize the way that a user interacts with news stories. This is achieved primarily using a search engine that connects to News API which allows the user to narrow-down the content of their results.

A News Application Based on the Computer Language Application Framework

This paper highlights that as of now, no news application is basically focused towards college students, which makes it challenging for undergrads with enormous interest in news to get the most recent real-time data. The "look around" application is focused on making a model that passes the real name verification of college students in the front end and stores it the backend database, which give exact data about college students, and affirm the identity of the news parties and observers through validating information. For the application, the Author used Dubbo, layer UI and respond JS to make and work on the framework. This advancement needs to deliver local application and web application separately, and the languages needed for implementing both are HTML and Java.

Web Application Content News Aggregator on Communication Devices Based On Android

In this paper, the author did research on application of web content News Aggregator communication devices based on Android to retrieve information or news from a site that is formatted XML and in accordance with the wishes of the user. Communication devices are intermediaries in the delivery of information to the communicant. Programmers are increasingly competing to develop the technology to provide the news as a field for their business. The method used for the news service is a syndicated technology, known as Really Simple Syndication. Really Simple Syndication is a technique used to collect and unify the content of an article from a website.

The author suggested that in order to retrieve information or news of an XML-formatted site then the user must add the site to the web content News Aggregator application on Android-based communication devices. The second thing is that the addition of new RSS address of the user should know in advance the RSS address of a web which will be added into the application of web content News Aggregator communication devices based on Android.

Serverless Stock Market Web Application

The authors have discussed that recent advancements in stock market technology and trading applications have drawn in more individual financial investors to put resources in the stock market. As the monetary market dataset is enormous and changing quickly this paper targets building integrative web applications with advanced technologies like cloud computing and machine learning framework. The web application is developed in a Microservice engineering with the utilization of React JS as frontend and Python Flask as a backend administration. The web application is facilitated on AWS server less framework to give accessibility, adaptability and scalability utilizing the Docker container. To make stock forecast more exact, learning algorithm was assessed and coordinated into the stock web application. The result of this web application will give extensive and important data to the clients like verifiable

stock information, financial reports, expert evaluations, monetary news, organization data and expectation of stocks.

Curate: A news app for the millennial news consumers

In this paper, the author developed an interactive news application which operates with smooth switching among categories, countries, etc. This news application basically extracts the news articles from different platforms onto a single place. This is basically designed in a simple way so that all the types of users can use the app easily. Offline reading can be introduced in the app as it will help the user to access the articles without the internet and during low connectivity. A favourite option will be added to save the articles for future need. The Opinion section will enable the user to add their opinions under the articles. More personalization options will be added for the interface which the user can access as per the need.

For creating this application, the author used flutter and developed interactive user interface that will get connected to API and Admin Panel which provides the exact full article in the web view.

Technologies:

API:

API (Application Programming Interface) is an intermediate between the interface and different applications. News API is used to gather news from different resources at a single place. In response it sends description, image URL, article URL etc.

Flask:

Flask is a lightweight Python web framework that provides useful tools and features for creating web applications in the Python Language. It gives developers flexibility and is an accessible framework for new developers because you can build a web application quickly using only a single Python file.

IBM Db2:

Db2 is a family of database management system (DBMS) products from IBM that serve several different operating system (OS) platforms. Used by organizations of all sizes, Db2 provides a data platform for both transactional and analytical operations, as well as continuous availability of data to keep transactional workflows and analytics operating efficiently.

References:

[1]. Zhang, Zhiheng, and Qinghai Wu. "A News Application Based on the Computer Language Application Framework." In *International Conference on Machine Learning and Big Data Analytics for IoT Security and Privacy*, pp. 907-912. Springer, Cham, 2021.

[2]. Merry, Agustina, and Usman Usman Ependi. "Web Application Content News Aggregator on Communication Devices Based On Android." *Web Application Content News Aggregator on Communication Devices Based On Android* (2022).

[3]. Kamdar, Priyanka. "Serverless Stock Market Web Application." (2022).

[4]. Yadav, Chirag, Ayushi Verma, Abhishek Singh, and Manish Bhardwaj. "Curate: A news app for the millennial news consumers."