News Tracker Application

Problem Statement:

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

Need for application:

Reading the newspaper has become a customary method of keeping up with the news in today's busy society. The news is constantly being updated and disseminated by television, radio, and the internet by the time the next morning rolls around. People nowadays are enthralled by smartphones and other mobile gadgets since we live in a digital age. They want having access to the necessary knowledge right away.

To improve and optimise how a user interacts with news content, there is an application called News Tracker. The main tool for doing this is a search engine that links to the News API and enables users to filter the results based on the type of information they are looking for.

Literature Survey:

Designing Android Gaming News & Information Application Using Java-Based Web Scraping Technique

In this paper the authors have highlighted the popularity of gaming and addressed about the difficulty to stay current on news related to the video games they like.They have stated that the answer to this issue is to create an Android-based application that can provide the most recent information about video games from reputable sourcesThe have used Web scraping, a method for obtaining data from websites, to gather all of this information. Finally an Android application including all news and information related to the video game industry is anticipated to be created as a result of this research. It was determined at the conclusion that it would meet 80% of the news consumption demands of gamers.

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

The author of this study conducted research on the usage of Android-based online content News Aggregator communication devices to obtain news or information from a website that is formatted in XML and in accordance with the user's preferences. In order to provide information to the communicant, communication devices act as middlemen. As a market for their businesses, programmers are increasingly competing to develop the technology that will deliver the news. Real Simple Syndication is a syndicated technology that is utilised for the news service. The process of collecting and combining the material of an article from a website is known as really simple syndication. According to the author, a user using an Android-based communication device must add a website to the web content News Aggregator application in order to retrieve information or news from an XML-formatted site. The user should be aware of the RSS address of a web that will be added to the application of web content News Aggregator communication devices based on Android prior to adding a new RSS address.

Implementing a Mobile Application News Tool for Disseminating Messages and Events of AlBuraimi University College

In this study the authors have created and developed a mobile application for the college students using current trends and technologies such as Java and SQL.They have created a new technology, mobile notification systems help to solve problems among students who fail to read the notices and circulars posted on the notice board. The app may be downloaded from the mobile Play Store. This tool facilitates communication and offers flexibility. It lists all Al Buraimi University College (BUC) news and events, such as the announcement of training sessions, scientific workshops, or cancelled classes. It also facilitates staff and student access to the college portal. The study conducted reveals a favourable reaction to the demand for this mobile application. The outcome demonstrates the users' interest in and satisfaction with the BUC NEWS mobile application tool.

Technologies:

Flask:

Flask is a compact Python web framework that offers helpful tools and functionalities for developing online applications. Because you can easily create a web application using only

one Python file, it allows developers flexibility and is an approachable framework for beginning developers.

IBM Db2:

Database management system (DBMS) solutions from IBM's Db2 series are compatible with a variety of OS systems. Db2, which is used by businesses of all sizes, offers a data platform for both transactional and analytical operations. It also ensures that data is continuously available so that transactional processes and analytics continue to run smoothly.

API:

Application Programming Interface, or API, serves as a bridge between various programmes and the interface. News API is used to compile news from several sources in one location. It replies with the URLs for the description, the image, the article, etc.

References:

1. Indra, Evta, and Tamarai Dinesh. "Designing Android Gaming News & Information Application Using Java-Based Web Scraping Technique." In *Journal of Physics: Conference Series*, vol. 1230, no. 1, p. 012069. IOP Publishing, 2019.

2. 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.

3. 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).

4. ALFarsi, Ghaliya, Jasiya Jabbar, and Maryam ALSinani. "Implementing a Mobile Application News Tool for Disseminating Messages and Events of AlBuraimi University College." *International Journal of Interactive Mobile Technologies (iJIM)* 12, no. 7 (2018).