



## SAMACHAR NEWS APPLICATION

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### ABSTRACT:

As World's technology is rapidly growing, we have a fast connection and network to instantly connect to another person. Day to day use of mobile, tablets and laptops is increasing, and most people already have this facility. In this fast and information-oriented world we need to stay updated with every incident and news too. This Samachar News Application is an android mobile application where users have access to the latest news. The main focus of this application is to connect news articles from a reliable resource and deliver them to users as fast as possible in the best visual way. The main target of the project is to provide people with a handy android application through which people can access all types of news and information. Through this application, any user can gain information or current updates on the world and its surrounding with just one click ahead. The user does not have to visit multiple sites for different related information.

### Introduction:

The introduction This news application is an Android Application used for live news and blog articles from the media. The Application was developed to showcase material design in Android in a real application. News Feed is a simple that gives you the latest and best news from multiple sources so you no longer need to swap between apps to stay informed. This Application is user friendly and a few features of our application are that it is a modular, scalable, testable and maintainable app: with UI logic in Android classes. API (Application Programming Interface) is an intermediate interface between different applications. It provides automation, immediacy, adaption and personalization. News API provides us with the source of news articles from many different sources in one place and updates it. To expand the sources old fashioned Admin panel can be used where writers will fill the gap of API. Samachar News is a personalised news aggregator that organises and highlights what's happening in the world so that you can discover more about the stories that matter to you. It is a mobile news system which runs under the Android platform. Developed with Native Java Language make the app run fast and smoothly. Stay informed and connected with the world with our comprehensive coverage of national and international news. From politics and business to sports and entertainment, we bring you real-time news delivered right to your fingertips. With Samachar News, you can customize your news feed to suit your interests, ensuring that you receive the stories that matter most to you. Our team of experienced journalists and reporters work tirelessly to bring you accurate and unbiased news from reliable sources.

### *What is the Samachar News Application.*

Samachar News Application, your go-to source for the latest and most relevant news updates. Designed to deliver accurate and reliable information, Samachar keeps you connected with the world around you, ensuring you never miss a beat. Key. Comprehensive News Coverage Samachar News Application provides a wide range of news categories, including national and international news, politics, sports, entertainment, business, technology, health, and more. Our team of experienced journalists and news experts curate the most significant stories, keeping you informed about the topics that matter to you. Real-time Updates Stay up-to-date with breaking news as it happens. Samachar delivers real-time updates, ensuring you're the first to know about major events and developments from around the globe. Our dedicated team monitors multiple sources, verifies information, and delivers accurate news.

### *What is the use of NEWS API ?*

News API has been used for collecting different news sources at one spot. On sending request it will give response in JSON format which contains source id, title, description, image URL, article URL, author, time etc. We need to handle and parse this JSON into string format which is our required format.

### OBJECTIVE

The objective of the project is to provide daily news and promote awareness about the latest developments in the world by collecting information from reliable resources available. It makes use of the required technologies to collect the required oriented information in a quicker and easier way. It is a media, that cover most important political, economic, social and other socially important events taking place in the world. It selects the most significant events and monitor their development. Provide Reliable News: The primary objective is to deliver accurate and reliable news content to users. The app aims to source news articles from trusted and reputable sources, ensuring the information presented is credible and verified Inform and

Educate The app seeks to inform users about current events, important developments, and trending topics. It aims to educate users by providing in-depth analysis, background information, and contextual understanding of the news stories. Customization and Personalization The objective may include offering users a personalized news experience. The app may provide features to tailor the news feed based on users' interests, preferences, and location, ensuring that they receive news relevant to their needs. Enhance User Experience The objective is to provide a seamless and user-friendly experience. The app may focus on intuitive navigation, clean design, and efficient content delivery to ensure users can easily access and consume news articles.

## SYSTEM REQUIRMENT SPECIFICATIONS .

### 1.1 Software Requirements.

Operating System: Windows 11/Ubuntu 20.04 LTS Operating System

Language: JAVA

Software: Android Studio 4. +

### 1.2 Hardware Requirements.

Processor : Intel(R) Core (TM) i5-8300H CPU @2.30GHZ

RAM: 8 GB

HDD: 1TB

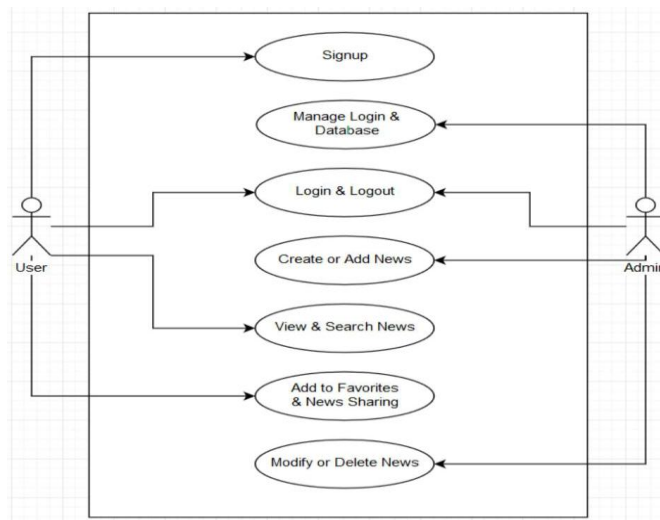
Monitor: Resolution of 1024×768 or higherKeyboard & Mouse

## RELETED 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 newspaper 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 th help of it we can provide better user experience and combine this sources at one place while maintaining integrity of its owner .“News API” provides API that returns JSON (JavaScript Object Notation) metadata for headlines and articles live all around the world at any time . In this app we will be using this API for our better experience .

## DATA FLOW DIAGRAM

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## CONCLUSION

To conclude, we developed an Android Application that has tried to implement all the requirements specified in user requirements. We used various functionalities provided by Android Studio and News API for development of this application. The app will prove to be keeping all its users up to date

with the happenings of the world. The purpose of the project is to develop an application which will display news articles and videos verified and approved at backend. User can browse news articles and videos through various categories. App will enable user to view news details, images, and video. This project being a basic prototype for a small model in daily News Application also leaves a lot of scope for future work, where we can implement fake news detector on the server we are hosting, which is a machine learning model and train it to detect fake news and flag out the fake data whichever is detected by that model before pushing it to the app.

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