



INTERNATIONAL JOURNAL OF ADVANCED INNOVATIVE TECHNOLOGY IN ENGINEERING

Published by Global Advanced Research Publication
House Journal

Home page: www.ijaite.co.in

Design and Development of Android News App

¹Sarang Suresh Bagade, ²Atharva Prakash Patil, ³Mansi Gunwant Bayaskar, ⁴Dr. A. S. Manekar

^{1,2,3}Department of Information Technology, Shri Sant Gajanan Maharaj College of Engineering, Shegaon, Maharashtra, India

¹sarangbagade66@gmail.com,

²atharvap975@gmail.com,

³mansibayaskar21@gmail.com, ⁴asmanekar24@gmail.com

Article History

Received on: 05 April 2023

Revised on: 10 May 2023

Accepted on: 26 May 2023

Keywords: Android News Application, User Management, Feedback Management, Personalized Content Delivery

ABSTRACT

Over the past few years, mobile news applications have become an extremely hyped thing for mobile users from all over the world. And, it is no wonder to learn that with the passage of time, their popularity and demand continue to enhance. The paper, the "Android Application for News" is a cutting edge and versatile mobile news application fundamentally designed to help people connect with the world in a very friendly, easy and hassle-free manner. With this application phones will touch the base with people via images and headlines. It is very simple to use and easy to install that can be downloaded directly. In today's busy routine life, the users of this mobile news application will be just a click away to access all the basic current affairs in today's day to day routine of the society.

e-ISSN: 2455-6491

Production and hosted by

www.garph.org

©2021|All right reserved.

1. INTRODUCTION

In today's world people cannot go a day without technology and social sites. In the past few decades, people were familiar with the social News sites, but in recent years, the need of features has been increased so as to make the lives of people much simpler, better and handy. The rapid progress in the mobile technology field has created a new zeal in the many new young minds of the software engineers and developers. There have been many attempts made to develop a freeware and cross platform instant news service for smart

phones. A pilot case study was carried out to trace the support of the features of news applications. The prototype developed includes the testing module. Using web services over the internet that offers latest news helps the process of development in a standardized way of the clients. It is research on how to use and develop new features in the smart phones for bringing the world to the hands of the people and making every update of the world easily accessible and user friendly. In the research we intend in developing a mobile news application which can connect the whole world in just a tap on the smart phones and

make the people's life easy by keeping them updated with news updates.

A survey, found that news applications with single handed alteration has become a very old trend where single handed operation has to be connected and it should be updated for every recent update. We found that it is not user friendly and it will support only a few parts of news. We intend to develop an application where users can view news as well as in this busy world have all the information handy by the use of API. A survey conducted on the Global Journal Ref no: showed us that people are in a need of technology which can be accessed in just one click as getting the global news updates in a click without downloading.

2. LITERATURE REVIEW

"Android Programming: The Big Nerd Ranch Guide" by Bill Phillips, Chris Stewart, and Brian Hardy.

This book provides a comprehensive introduction to Android app development, including topics like user interfaces, networking, and data persistence. It can help you understand the fundamentals of Android development and apply them to create a news app.

"Android Design Patterns: Interaction Design Solutions for Developers" by Greg Nudelman.

This book focuses on design patterns and user interaction for Android apps. It covers various design principles, guidelines, and best practices that can be applied to create a visually appealing and user-friendly news app.

"Android User Interface Design: Turning Ideas and Sketches into Beautifully Designed Apps" by Ian G. Clifton.

This book specifically focuses on user interface (UI) design for Android apps. It provides insights into designing effective layouts, navigation, and visual elements for your news app, helping you create an intuitive and visually appealing user experience.

"The Android Developer's Cookbook: Building Applications with the Android SDK" by James Steele and Nelson To.

This cookbook-style guide covers various Android app development topics, including UI design, data management, and integrating web services. It can serve as a practical reference for implementing specific features in your news app.

"Android Design Patterns and Best Practices" by Kyle Mew.

This book explores design patterns and best practices for Android app development. It covers topics such as app architecture, testing, and

performance optimization, which are crucial for building a high-quality news app.

3. PROPOSED SYSTEM

The surveys say that earlier people used to get the news with the help of Newspapers by paying money and also Television was used which took too much time and there was not enough privacy for the user to have personalized news feeds about confidential matters. Thus, to overcome all these, this project is designed which is the "Mobile News Application for Android" which will help people or the user to secure all the databases and also use it for so many other features. The screen sharing feature especially for the people who use the application for business purposes has to be implemented and double the security encryption for that so that all the confidential files and news are highly secured.

The system architecture of the project, mobile news application will be designed as shown in the figure 1. The system architecture of the news application defines and picturizes the whole system and the work flow of it. The system architecture thus gives a detailed picture representation of the project and how the hardware and the software will work and what way the approach would be taken.

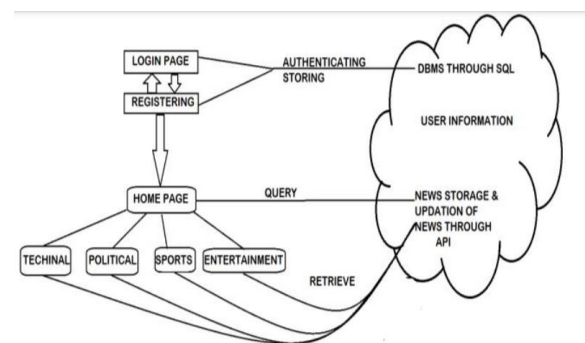


Figure 1: Architecture of Proposed News Android App [8]

A. User Register Module

- Create an intuitive and user-friendly registration form that includes necessary fields such as username, email, password, and any additional relevant information.
- Use appropriate input controls and validation to ensure data accuracy and prevent errors during registration.

B. Admin Module

The admin module in the design and development of an Android news app is responsible for managing and controlling the backend administration and content management tasks. It typically includes features and functionalities that allow authorized administrators to perform

various actions to manage the app efficiently. Here's an explanation of the admin module:

User Management:

- Admins can view and manage user accounts, including creating new accounts, modifying user information, and disabling or deleting user accounts if necessary.
- They may have access to additional user management features such as user roles and permissions management.

Content Management:

- Admins can manage the content displayed in the news app, such as articles, images, videos, and categories/tags.
- They can create, edit, and delete articles or news items, including features like adding titles, descriptions, images, and assigning appropriate categories or tags.
- Admins may have the ability to schedule or publish articles at specific times, control the visibility of content, and manage article metadata (e.g., publication date, author information).

Comment and Feedback Management:

- Admins can review and moderate user comments or feedback on articles.
- They can approve or reject comments, delete inappropriate content, or flag comments for further action.
- Admins may have access to additional moderation features like blocking or suspending users who violate community guidelines.

Analytics and Reporting:

- Admins can access analytics and reporting features to gather insights about app usage, user engagement, and content performance.
- They can view statistics such as the number of active users, page views, article shares, and popular categories.
- Admins may generate reports or export data for further analysis or decision-making purposes.

Push Notifications:

- Admins can send push notifications to users to notify them about new articles, important updates, or other relevant information.
- They can customize the content and timing of push notifications, targeting specific user segments based on interests or preferences.

Settings and Configuration:

- Admins can manage app settings and configurations, such as app theme, language preferences, notification preferences, and social media integrations.
- They may have access to additional settings related to advertising, monetization, or integration with third-party services.

The admin module typically requires authentication and authorization mechanisms to ensure that only authorized individuals can access and perform administrative tasks. It is crucial to implement proper security measures to protect sensitive admin functionalities and data from unauthorized access or misuse.

4. RESULT

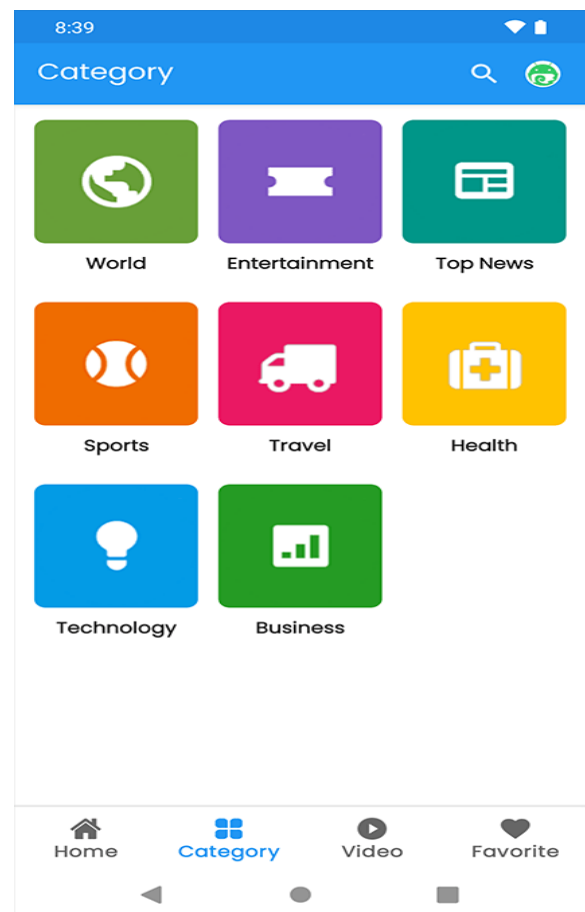


Figure 2: Categories of News

