

News Feed Application for Android

I. Rugveda Muralidhar

Computer Science and Engineering, SRM Institute of Science and Technology, Chennai, Tamil Nadu

K. Sai Harshavardhan

Computer Science and Engineering, SRM Institute of Science and Technology, Chennai, Tamil Nadu

B. Arun Reddy

Computer Science and Engineering, SRM Institute of Science and Technology, Chennai, Tamil Nadu

K. Sathish

Asst. Prof., Computer Science and Engineering, SRM Institute of Science and Technology, Chennai, Tamil Nadu

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 project, the “News Feed Application for Android” 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.

Index Terms – current affairs, mobiles news, application

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 a 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 updates 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.

2. PROBLEM DESCRIPTION

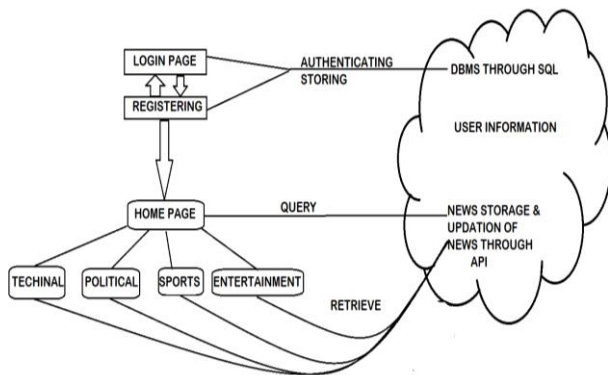
A survey ,found that news applications with single handed alteration has become a very old trend where single handed operation has to be connected and it should updated for every recent update. We found that it is not user friendly and it will support only a few parts of news. We intend to develop an 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.

3. PROPOSED MODELLING

The surveys say that earlier people used to get the news with the help of Newspaper 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 the business purposes has to be implemented and double the security encryption for that so that all the confidential files and news are highly secured.

4. SYSTEM ARCHITECTURE

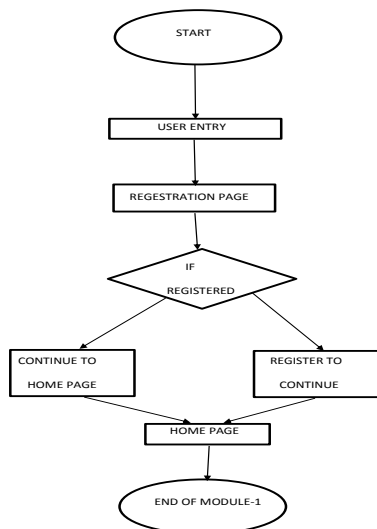
The system architecture of the project, mobile news application will be designed as shown in the figure 3.2 below. The system architecture of the news application defines and picturises the whole system and the work flow of it. The system architecture thus gives a detailed picture representation of the project and how the hardware and the software will work and what way the approach would be taken.



This application consists of the real time news updates with the help of API and also the updated news report. This application has basically two parts, one the request and the other receiver. So, they will be sending and receiving the messages of which the data will be controlled by the API Client technology, The location would be detected and the news reports of the place would be updated, similarly with the news as well. The proposed system will also focus on the future enhancement of the application by making the news application a multipurpose one by binding the people in an application where they can find their common interest and meet other people and also for the business purposes and ease of access to the files and presentations the screen sharing will also be introduced.

5. MODULE DESCRIPTION

A. User Register Module



This user registration module registers the new user records. It enables the user and disable user, view and edit and delete the user's records. Thus this administration module is an important part of the application which acts as a base for the records. This

module helps the user to have all the records being an administrator of their data.

B. Screen Display Module

This module is the screen display module is used for the personalized news and display of the screen and the user interface to the user and thus the personalised news is been coded using the android studio which has a different module where the news window is displayed to the user who is using the news application for the news purpose with any different user. The private news module in this mobile news application thus plays an important role for the clients or the users in viewing news.

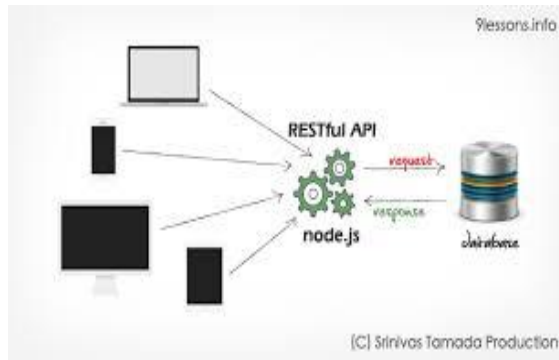


6. SOFTWARE

This application based on API Integration. This technology gives us possibility to build RESTful service. GOOGLE introduced new API.

As database, we used MY SQL Server with MongoDB. This combination allowed to us to increase performance for searching data in DB. SQL Server will contained information about user, their news feed and keywords.

Android with database will hosted in separate servers, for users will developed different user interfaces: web interface, interface for Android OS, IOS and Windows Mobile. This approach gives us more flexibility and shift some functionality on the client side. Client side will developed with HTML5 with JavaScript. There are many framework that gives developer possibility develop application for IOS or Android on HTML5.



Each client side communicated with database through RESTful service. REST stands for 'Representational State Transfer' and it is an architectural pattern for creating an API that uses HTTP as its underlying communication method. .Net's Web API is an easy way to implement a RESTful web service using all of the goodness that the .net framework provides.

6. CONCLUSION

The developed algorithm personalizes news feeds, saving the user time and giving them only interesting articles, news, etc. with a single click.

REFERENCES

- [1] Hulth A. Combining machine learning and natural language processing for automatic keyword extraction. Stockholm University, Faculty of Social Sciences, Department of Computer and Systems Sciences (together with KTH), 2004.
- [2] Anton Mykhailiuk, A creation of the linguistic ontology based on a structured electronic encyclopedic resource, Anton Mykhailiuk, Olena Mykhailiuk, Oleksiy Pylypchuk, Volodymyr Tarasenko, International Journal of Computing, 13(1) 2014, 1-2
- [3] Role of Natural Language Processing in Community Structure Detection http://www.academia.edu/768236/Role_of_Natural_Language_Processing_in_Community_Structure_Detection .
- [4] An Update on ASP.NET Core and .NET Core <https://blogs.msdn.microsoft.com/webdev/2016/02/01/an-update-on-asp-net-core-and-net-core/>
- [5] Introduction to REST and .NET Web API <https://blogs.msdn.microsoft.com/martinkern/2015/01/05/introduction-to-rest-and-net-web-api/>