

News Application

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Abstract –

“News Application” is an online platform designed and developed in MAD, Java and API. It was aimed as an alternative in the current process of news publication. Researchers used the Rapid Application Development as the software development life cycle, with this model, the researchers was able to release a prototype based on the requirements of the end-user. This News app is android mobile application where user have access to latest news from 120+ newspapers from 50+ countries. The main focus of this application is to connect news articles from all around the world and deliver it to user as fast as possible in best visualize way.

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.

News magazine being an important part of the print Media industry has so far been affected by World Wide Web and currently by the Smartphone Apps. They have just entered the industry with great promises and potential. Research focusing on the impact of news apps on the news magazines will provide an opportunity to understand how readers look at both technology and decide on using them.

Key Words: Visualization, Services, Technology.

1. INTRODUCTION

Usefulness and Ease of Use of both technologies has an influence on attitude towards News Apps and Print Media respectively. Positive attitude towards print media creates more dissonance in presence of Attitude towards News Apps. Apparently, if the attitude is positive then the dissonance will be more in case of print magazine. Also, reverse is the case of news apps. Finally, dissonance is found to reduce the intention to use News Apps. The study provides implication to print media industry based on previous cases.

Android provides simple application structure and requires Java and Mark-up languages knowledge to work with. Such as, an discrete movement delivers a solitary screen for a user interface and a service whole completes work in the contextual. We can work on different module separately and can combine at the end, we can also add future modules easily afterwards.

2. Body of Paper

With a News App, a News & Media company will be omnipresent with their readers. 70% of young adults receive their news through a smart phone; A News App will be an easy way to showcase your content, media, news and stories to them. The Newsstand team noticed a peculiarity: 15 to 30% of people read websites in a mobile browser, even if a news agency provides a mobile application.

We supposed that this is due to convenience and habit.

Location feature with automation can be implemented which means as user move from one city to other local news will change as per it. Offline Reading can be improve will more efficient way on full articles. Data quality check needed. If API can't reach to certain article source it gives null value which can cause problem in JSON parsing.

- Global Support: Different type of newspaper will be available from all around the world in different languages with this user will be able to get news from all around the world.
- Short News: News will be displayed in short format with title, image and little description in list view. It will help user to access required news faster.
- Search Option: User will be able to search from not only one source but many different sources available within API.
- Favorites / Offline Reading: News can be added as favorites which will automatically will be saved for offline reading.
- Sharing: User will be able to share news easily on social media.

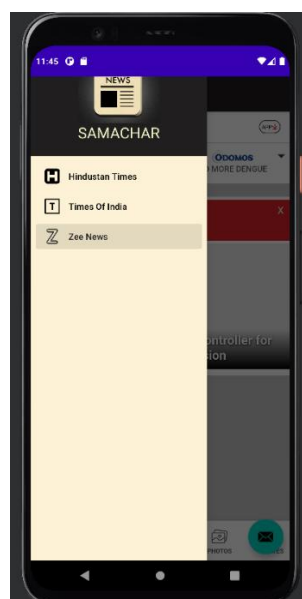


Fig.1

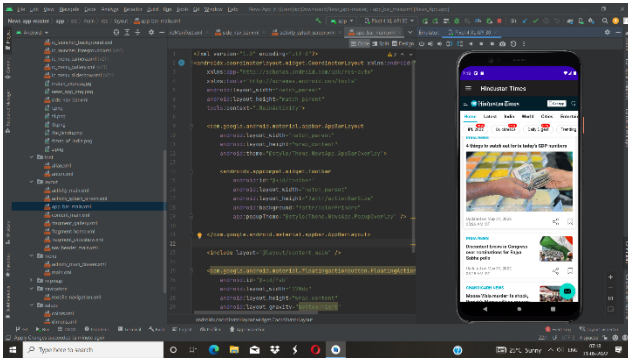


Fig. 2

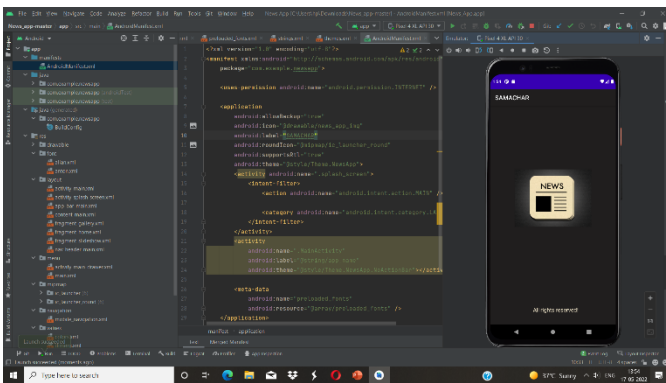


Fig. 3

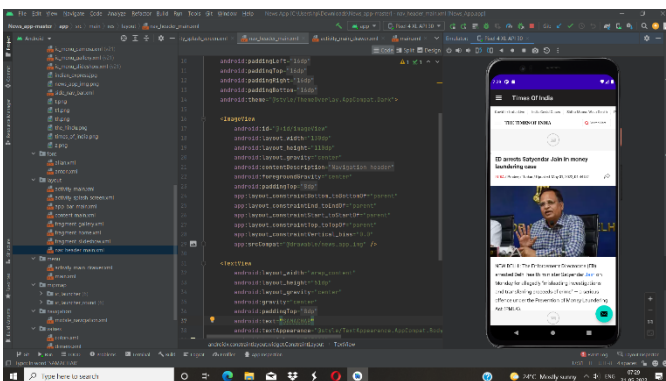
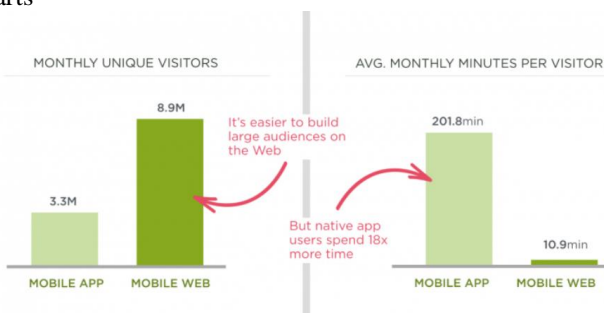
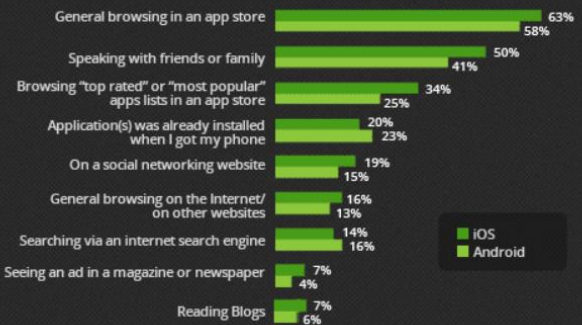


Fig.4

Charts



NEW APP DISCOVERY METHODS



Source: European Technographics Consumer Technology Online Survey, Q4 2012

Apptentive

3. CONCLUSIONS

This is a fast evolving world with modernization taking a toll on the world, people nowadays prefer to spend time more on their mobile rather than read a newspaper. News app is an android application which makes newspaper reading much interesting and easier. The easily usable UI makes this application very user friendly and most of all saves time. The added feature of this system is that it has been provided with many provisions for future enhancement in order to maintain the system in such a way that the future requirement of the user could also be satisfied and upgraded.

User was allowed to use this application in his smartphone and screenshots were taken as a result for this study. First User need to Sign Up in order to access the application which provides security for this application. Also predicted user error handling with pop-up messaging was done before this experiment like entering invalid data in fields, not selecting a field before clicking on action button etc. The result will be shown in form of screen shots below.

4. ACKNOWLEDGEMENT

We would regard this project as the culmination of efforts put by various persons during this academic year. Perseverance, Inspiration & Motivation have always played a keyrole in the success of any venture.

At this level of understanding it is difficult to understand the wide spectrum of knowledge without proper guidance and advice, hence we take this to express our sincere gratitude to our respected Project Guide **Prof. Rajesh Omkare** who as a guide evolved an interest in us to work and select an entirely new idea for project work. He has been keenly cooperative and helpful to using sorting out all the difficulties. We would also like to thank our Principal **Prof. P. S. Dharashive**, for their continuous advice and support and also Providing all necessary Infrastructure, Labs, etc. I would also thank my Institution and my faculty members, without them this project would have been a distant reality.

5. Advantages

- Automatic updates
- Live videos & coverage's
- Weather updates
- Push notifications
- Good User Interface
- Simple Navigation
- Generating revenue by a new channel

6. DisAdvantages

- Android applications contain virus.
- Require data/wifi to get online
- Costly to maintain
- Response to pace = errors in reporting
- Fake News!

7. Future Scope of Project

This version of the app is in the seeding stage and there is a lot of room for future enhancements. Features that can be added for later versions are as follows:

- Save video
- Watch this later
- Notification for updates on a particular article

8. Modules

User Interface: One of the factors in successful news app development is visualization of news and its feature with user. For the development of an android app material design is very useful and provides smooth experience with custom layout, views and animations. For this news app user should be able to select from different categories, countries and newspaper. Short News as list view with header, little description and image before showing full article can be helpful to user to determine what type of news they are looking for. View Holder can be used for this list view for better and fast experience. Library like Picasso can be used for better image handling. This User interface will be connected to API and Admin Panel database which will give full article in form of web view of that article. Because of this structure the integrity of writer of that article will not be in harm.

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.

Admin Panel: This module of app controls the User and Writers logins from database. Writers can add news, update and delete from its database as per required. Writers will only has access to admin panel while Main Admin will has access to database as well. Main Admin can add Users, Writers, and News. He can also approve, update and delete it. Using this approach we can create network in local areas connect by writers and local admins which will provide news at local level and we can also implement location feature which will update local news of different location or city.

9. REFERENCES

1. Sangeeta Ruth, Srividhya Raghavan V, Smrithi J, Saira Banu. 2016. "Spatial Preference Newsfeed System For Android Mobile Users", IJCSITS, Vol6, NO. 3: 24.
2. <https://newsapi.org/>
3. <https://dzone.com/articles/how-to-parse-json-datafrom-a-rest-api-using-simpl>
4. <https://material.io/>
5. <https://developer.android.com/guide>
6. Fundamentals of Software Engineering, Rajiv Mall, New Delhi: PHI Learning limited, 2003
7. Paul Nielsen, SQL Server 2005 Bible. Paul Nielsen, New Delhi: Wiley, 2006
8. HTML, and CSS Bible. Bill Karow, Chuck White, Steven M. Schafer Bryan Pfaffenberger, New York: Wiley 2004
9. http://en.wikipedia.org/wiki/Software_engineering
10. http://www.w3schools.com/html/html_intro.asp