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Implementation of News App using Android Studio

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ABSTRACT: As world's technology is rapidly growing we have fast connection and network to instantly connect to other person. Day to day use in mobile, tablets and laptop is increasing, most of the people already have these facilities. In this fast and information oriented world we need to stay updated with every incident and news too. This News app is an android mobile application where user has access to latest news from 4 news channels 2 news channel from India and 2 from other 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 the best visualized way.

I. INTRODUCTION

Android provides simple application structure and requires Java and Markup languages knowledge to work with. Such as, a discrete movement delivers a solitary screen for a user interface and a service which completes work in the contextual [1]. We can work on different modules separately and can combine at the end, we can also add future modules easily afterwards. In 2014, a design language has been created by Google named Material Design which is based on "cards" uses grid based layouts, responsive animation, padding and depth effects like shadow to create an responsive, attractive and easy user interface. With the use of different libraries and material design it is possible to use attractive UI.

The navigation drawer is a UI panel that shows your app's main navigation menu. The drawer appears when the user touches the drawer icon in the app bar or when the user swipes a finger from the left edge of the screen. Standard navigation drawers allow users to simultaneously access drawer destinations and app content. They are often co-planar with app content and affect the screen's layout grid. Standard drawers can be permanently visible or opened and closed by tapping a navigation menu icon. They can be used on tablet and desktop only. On mobile, modal drawers are used instead.

The WebView class is an extension of Android's View class that allows you to display web pages as a part of your activity layout. It does not include any features of a fully developed web browser, such as navigation controls or an address bar. All that WebView does, by default, is show a web page. WebView is a view that displays web pages inside your application. You can also specify HTML string and can show it inside your application using WebView. WebView makes turn your application to a web application. In order to add WebView to your application, you have to add `<WebView>` element to your xml layout file.

Native news apps are expensive and difficult to maintain. Native Publishers like BBC News or NY Times use their own writers to manage articles and manage it. Many native newspapers are divided because of this which causes a lack of resources from one side. Android structure provides great capability with frameworks, libraries and APIs, with the help of it we can provide better user experience and combine these sources at one place while maintaining integrity of its owner.

II. LITERATURE REVIEW

News App is a simple mobile application in which user can see daily news activity from different news channels we provide 3 plus news channels two news channels from India and two from other countries so user can read different news from different channels.

A. About NEWS APP:

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. Favourites / Offline Reading: News can be added as favourites which will automatically will be saved for offline reading. Sharing: User will be able to share news easily on social media

B. Benefits of NEWS APP1.

Better Experience :

Like all of us, your readers have come to expect a native app experience from all the brands they trust to consume content from.

They want fast loading articles, offline use, no intrusive banners or popups, easy navigation designed for a thumb.

The average mobile site takes 15 seconds to load. Responsive sites are particularly terrible, as they're bloated with code trying to cater to desktop devices and mobile ones. Tracking and advertising code from the providers you use on your site are only making it worse.

Google's results are clear: 53% of visits are likely to be abandoned if pages take longer than three seconds to load, while 50% of people expect a page to load in under two seconds. AMP has made things better, but it applies to search results and Google properties, what's the experience for your most loyal readers, those that come back every day?

Progressive web apps can bridge the gap somewhat, but often don't do enough to create a truly mobile-first experience and lack push notifications and most of what makes them an "app" for iOS users, a part of your readership you can't ignore.

A native mobile app seems the only logical choice if User Experience is the main criteria in choosing how to serve your audience on their devices.

III. RESEARCH METHODOLOGY

In the study about NEWS APP both primary and secondary data is used. The NEWS APP provided by allonline websites were collected and a list of question for collection in the website and app only. For this purpose, a format of questions was framed into 3 segments namely 1 – Personal (A1, A2, A3, and A12), 2 – Services (A4 to A7), and 3 – Security (A8 to A11). Each variable was scaled from 1 to 5 where 1 is strongly agree, 2 – agree, 3 – neutral, 4 – disagree, and 5 – strongly disagree. Out of the 300 questions which were distributed among various b customers 290 were returned back out of which only 289 were having data which was usable. These secondary data were collected from various articles that were sourced from different and journals dealing with the current issues of mobile b. Another major secondary source for the expert's opinion extraction is done by Internet & Text books related to NEWS APP & Research Methodology

IV. FUTURES COPE

Implementing self-news channel in future. Providing forgot username and password feature in future. Offline Reading can be improve will more efficient way on full articles. Data quality check needed. In future we will buy copyrights of news channel.

V. CONCLUSION

As user want to see new updates on recent trends going in the society. Our application provides a good platform where user can get new updated news everywhere

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