

NEWS TRACKER APPLICATION

Literature survey

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Paper-1: *Marios Constantinides, John Dowell, David Johnson, Sylvain Malacria, Exploring mobile news reading interactions for news app personalization, 5 August 2015, Informatics 2015, 9, 52*

As news is increasingly accessed on smartphones and tablets, the need for personalizing news app interactions is apparent. We report a series of three studies addressing key issues in the development of adaptive news app interfaces. We first surveyed user's news reading preferences and behavior's; analysis revealed three primary types of reader. We then implemented and developed an android news application. The evaluation demonstrates the differential benefit of the adaptation for different users of the news app and the feasibility of adaptive interfaces for news apps. Personalization of news access clearly needs to extend beyond 'what' content users access to 'how' they access it, as evident in the abundance of mobile news apps offering personalization features. We deployed an online questionnaire¹ using Crowd Flower with the aim of identifying stereotypical patterns of behavior and individual experiences on mobile news reading.

As world's technology is rapidly growing we have the fast connection and network to instantly connect to other person. Day to day use laptop mobiles and tablets is increasing; most of the people already have these facilities. In this fast and information oriented world we need to stay updated with every incidents and news too. 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. 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. Location feature with automation can be implemented which mean as user move from one city to other local news will change as per it. Offline Reading can be improving 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.

The technological convergence of mobile “phone” and multimedia has been taking place since the 1990’s, but it was not until the commercial birth of touch screen –enabled mobile devices, offered with flat-rate subscriptions for mobile internet, that widespread production and use of news-related content and services began flourish. Mobile devices are still predominantly used as interpersonal communication devices, enabling the sharing of information and the coordination of everyday life activities with family, the convergence of mobile phones and multimedia has altered the technological landscape, introducing a wide array of new usage areas such that the mobile is no longer only a phone. Rather, it has become a personal mobile device that, at least in principle, integrates both communication and multimedia functionality. People, including the typical early adopters, still use the mobile mostly for voice calls and messaging. Much as the internet has radically changed our global media landscape and the way people use media and consume news, the mobile device is likely to have a comparably profound impact in the long run.

News publishers have decreased disseminating news through conventional newspapers and have migrated to the use of digital means like websites and purpose-built mobile application. It is observed that news recommendation systems can automatically process lengthy articles and identify similar articles for readers considering predefined criteria. The advancement in technologies like high-speed internet access on handheld devices and customized software applications for news is beneficial for news readers as they provide very easy access to the information published on multiple sources. Search engines help user's up-to some extent in searching through the vast information collections available online and the recommendation systems have emerged to address different challenges and provide users with the information which matches their needs either by their preferences or by content similarity. We comprehensively illustrated the research methodology, data collection strategy, inclusion & exclusion criteria, quality assessment criteria, and the main resources consulted.