LITERATURE SURVEY FOR NEWS TRACKER APPLICATION

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Paper Title Android News App

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Abstract

As world's technology is rapidly growing we has 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 incidents and news too. 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.

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 [1]. We can work on different module separately and can combine at the end, we can also add future modules easily afterwards.

API (Application Programming Interface) which is an intermediate interface between different applications. It provides automation, immediacy, adaption and personalization. News API provides us the source of news articles from many different sources at one place and updates it. To expand the sources old fashioned Admin panel can be used where writers will fill the gap of API.

In 2014, a design language has been created by google named Material Design which is based on "cards" uses grind 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.

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Paper Title Exploring mobile news reading interactions for news app personalisation

Author(s) Marios Constantinides , John Dowell , David Johnson , Sylvain Malacria

Published on 2015

Abstract

As news is increasingly accessed on smartphones and tablets, the need for personalising 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 users' news reading preferences and behaviours; analysis revealed three primary types of reader. We then implemented and deployed an Android news app that logs users' interactions with the app. We used the logs to train a classifier and showed that it is able to reliably recognise a user according to their reader type. Finally we evaluated alternative, adaptive user interfaces for each reader type. 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

Mobile app ecosystems are transforming patterns of news consumption. Until quite recently, reading the news was a niche use for smartphones [12], mostly for when users were 'on the go'; now however, two in every three users of mobile devices in the US regularly access news and as many as one in five read in-depth news articles daily [2]; a similar picture is found in the UK [1]. This growth in mobile news access continues the migration of news consumers to the Internet.

Mobile news access perfectly complements the continuously updating, 24-hour nature of digital news services. But if users are now never out of range of the news, they need more than ever for that access to be adaptive and personalised. Personalised news services are already able to help people find news that is relevant to them, to recommend the right news to the right users, and to help users keep abreast of news by aggregation over multiple sources. This adaptivity is achieved through several methods [5] including: news content personalisation by pushing filtered articles predicted to match the user's interests; adaptive news browsing by changing the order of news categories; contextual news access by

offering users access to additional information related to the news they are reading; and news aggregation, by automatically identifying main news topics emerging from multiple sources. This previous work on adaptivity in digital news access has focused on recommendation of news content. But, adaptation of the way people interact with news services has not been investigated.

In this paper we report an investigation into implicit profiling and adaptive user interfaces for mobile news apps. First, a survey was conducted to examine news reading behaviour of users of mobile devices. A cluster analysis revealed three main types of mobile news reader characterized by five factors. Second, a study was conducted to investigate whether users of a news app could be identified in relation to the three types using a dedicated news app (Fig. 1), logging user's interactions during two weeks. Five characteristic factors were extracted from these logs and were used for training a classifier. Finally, a design of adaptive user interfaces for each of the three news reader types was evaluated. Our results suggest that different reader types would benefit from different user interfaces.

Source:

https://www.researchgate.net/publication/299870645_Exploring_mobile_news_reading_interactions_for_news_app_personalisation

Paper Title Implementing a Mobile Application News Tool for Disseminating Messages and Events of AlBuraimi University College

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Published on 2018

Abstract

Technology is developing and changing in every moment that all domains are patchy without it. Our research utilizes the current trends and technology to design and develop a mobile application for the all members of the college. The students are the fundamental members in the college and they are our targets. Mobile notification system is an emerging technology, which influence in solving various dimensions of life. The college announcements and events are disseminated to students and staff through circulars, notice boards, emails, etc. Our research was to employ mobile affinity of especially students who ignore the circulars and notifications in notice board. The tool may be installed from play store mobile. The tool supports the widely used mobile operating system like android and iphone. This tool helps and provides a flexible way for communication. It list all events and news at AlBuraimi University College (BUC) like announcement of training courses and scientific workshop or classes cancel and others events. It also helps in easy access of college portal for both students and staff. The evaluation held finds positive response towards the need of this mobile application. The result shows the interest and satisfaction of users with BUC NEWS mobile application tool.

Introduction:

Mobile is one of the most important technologies in today's industry. Mobile phones are efficient communication devices and make life easier. The importance and uses of mobile are inexplicable which include communication, storage, entertainment, application, etc. Mobile phone applications broaden the effectiveness of mobile phones. It is important in all areas of life, especially education; it is indispensable in education and in information system areas stated in [1] [2] [3] [4].

One of important tools in the education institute is the mobile. Sohail et al (2013) introduced mobile supported learning in an introductory programming course at

BUC [2]. Almost all mobile applications include features and properties that keep the people enjoyed and thus mobile are indispensable and mandatory in today's fast running life. The use of mobile applications run the gamut, from utility, productivity, and navigation to entertainment, sports, fitness, and just about any others imaginable. The speed of using and the interface of the mobile which is easy to use and clear steps as the mobile will pay and use it is positive relationship[3] .The other application area of mobile is utilizing it to give alerts for news. The amount of consumer use of news alerts has increased in several states during the past three years[4][1] .

A mobile operating system is an operating system that is specifically designed to run on mobile devices such as mobile phones, smartphones, PDAs, tablet computers and other handheld devices. Some popular mobile operating systems are Android, Bada, Blackberry, iphone, Palm, Symbian, etc. Out of these mobile OSs, most of the mobiles use android and iphone operating system in this current generation. Because of this reason and as the interaction of it with the user is very easy and simple; we implemented our application in it. A study conducted by M. Al-Emran et al(2016) states that 99% students of universities in Oman and UAE have and use mobiles[5]. In this research, we develop an application that gives news of the college to all members in the college. The news will move from the website to fit to the user's screens directly at the same time.

This research is trying to identify the different technologies used in iphone and Android application development process and the need of it to be implemented in order to access a wide range of BUC-specific sources[1][3][6][7][2]. It offers a tactic on how to decide which part of news to use and which feature of application want to use. It provides most of the needs for students and members of BUC such as register in courses, calendar of the BUC, etc. This research demonstrates successful execution of mobile portal, which includes features that are commonly accessed across through the website of BUC. This research is to identify the use of iphone and android mobile programming software applications in BUC. Some of the uses of this application are to help the students and the users of BUC to receive the important news and information associated with BUC. The application also allow students or faculty to update their contact information using the BUC and to import any information that they need from this application to speed up the student learning [8][9] [13].

This paper comprises a number of sections. It starts with a literature review then the discussion of methodology used is included, followed by a description of analysis or pre-questionnaire, design and development and finally the evaluation of the system. The paper concludes with a summary of the research work, the limitations and future enhancement of the work.

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Paper Title TECHNOMANIA

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Abstract

The main objective of the project is to provide people a handy[1] android application through which people can access all types of news and information. Through this application, any user can gain technical knowledge of the world and its surrounding with just one click ahead. User does not have to visit multiple sites for different related information. All information is going to be in one place. Many people generally get the redundancy in the information. Sometimes, people even spread fake news, which circulates and spread more like a disease of false information in WhatsApp and other social media. Various myths are also likely to spread as soon as possibl ewhich gives more harm than good to the people. This app while cross-checks the redundancy in the information along with the false and misleading information, which later results in panic in the people.

The purpose is to develop an android application, which will eliminate the problems faced in the current scenario. This application will provide all the information and news related to cybersecurity, E-sport, Science, and Technology or that are in trend at one place. So, it will save time and efforts of the users by making it more efficient. Using, this application will terminate the possibility of information redundancy.