

NEW HORIZONS IN ACADEMIC LIBRARY

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Mobile Based Application and Services

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Abstract:

"This paper presents brief introduction about the mobile application and its use in library services." The paper also reviews of mobile apps for librarians and information professional's community, highlighting specific apps that are available to librarians and briefly describing the salient features of app as well as the benefits. Libraries have always adopted new technologies to assist in their objective of providing clients with effective and efficient services, as well as timely access to needed information.

1. Introduction:

Library and its generation are developing organisms. The ICT has modified the existence fashion human beings in all appreciate and has imparted amazing effect in library and statistics offerings.

Information and conversation technology (ICT) have furnished quicker get admission to statistics and it's also toughed the libraries to reconsider and redesign their offerings adopting the technological changes. Implementation and relevance of Information and Communication Technologies (ICTs) have now no longer handiest modified the manner human beings get admission to statistics, however has additionally given start to the brand-new channels of conversation. Invention of cell telephones is a essential success of technological developments. The conventional library offerings are actually shifting to cell library statistics offerings. There are the demanding situations in imparting the essential statistics to customers on the proper time. Mobile technology has made conversation and statistics get admission to very handy and well timed to customers. The adoption of cell generation alters the conventional relationships among libraries and their customers and introduces novel demanding situations to reader privacy.

2. Concept of Mobile App

App is shorthand for software, or software program that generally runs on a cell tool. Those day's cell tele cell smart phone maker industries groups gives extra superior computing capacity and connectivity than a current primary function tele cell smart phone. A Smartphone is a instance of one in every of them Smartphone cell tele cell smartphone that gives a couple of packages to person and a pill is largely a light-weight cell pc with contact screen. Apple ions and Google Android are examples of famous Smartphone/pill platforms. Mobile tool groups and pc scientist outline the term "Mobile app" in unique methods a few definitions are indexed under A small software that runs on a Smartphone and a pill is referred to as an app. Different app improvement equipment are wished for unique working systems (platforms). For instance, Apple apps are generally evolved in the X-code surroundings in Objective-C programming language and may be deployed to iPhone, iPod Touch, or iPad, while Android apps are generally evolved in Java language and deployed to Android devices. In fashionable Mobile App is

shorthand for software, or software program that generally runs on a cell tool. There appears to be an app for the whole lot those days. There are apps that offer get admission to library e-useful resource list, OPAC, information or bulletin of a library, information email, social networking sites, newspapers, and podcasts. The quantity of apps which have been downloaded maintains to develop at an extraordinary pace. Types of Mobile Applications:

- Native App
- Web App
- Hybrid App

1. Native App -

Native programs talk over with programs which are particularly written and evolved for a particular cell working system. The 3 main cell working structures are Google's Android, Apple's iOS, and Windows Phone. In order to create true, local programs, the Java programming language need to be used for Android, the Objective C programming language for iOS, and the .NET framework for Windows Phone. Common, key traits of local programs are that those programs have unhindered get admission to tool hardware and help all person interface and interactions to be had withinside the respective cell working environment

2. Web App -

Web app refers to for mobile versions of websites. Really a Mobile web application is another term Web apps are not real applications; they are really websites that, in many ways, look and feel like native applications, but are not implemented as such. They are run by a browser and typically written in HTML5. Users first access them as they would access any web page: they navigate to a special URL and then have the option of "installing" them on their home screen by creating a bookmark to that page. Web apps became really popular when HTML5 came around and people realized that they can obtain native like functionality in the browser. Once a mobile device is detected, the user-agent is redirected either to a dedicated mobile

website created for that specific device or to a website that utilizes responsive web design techniques in order to provide the same content to a variety of devices Social Media site face book web application example of such type of app.

3. Hybrid App -

Web app refers to for cellular variations of web sites. Really a Mobile internet utility is every other time period Web apps aren't actual applications; they're surely web sites that, in lots of ways, appearance and sense like local applications, however aren't applied as such. They are run with the aid of using a browser and generally written in HTML5. Users first get entry to them as they could get entry to any internet page: they navigate to a unique URL after which have the choice of "installing" them on their domestic display with the aid of using growing a bookmark to that page. Web apps have become surely famous whilst HTML5 got here round and those found out that they are able to achieve local like capability within the browser. Once a cellular tool is detected, the user-agent is redirected both to a committed cellular internet site created for that particular tool or to a internet site that makes use of responsive internet layout strategies with the intention to offer the identical content material to loads of devices Social Media web -page facebook internet utility instance of such kind of app.

3. Mobile offerings:

3.1 SMS alert provider

Through the textual content messaging library experts need to alert the customers for brand spanking new e- book notice, informing availability of reserved files for collection, appraising approximately which/while books are overdue, library circulars, e-journals subscribed, extrade in timing, records approximately critical events, etc. Such alert notifications may be generated robotically the use of incorporated library control system/software program.

3.2 Instant Messaging (IM) for Reference offerings

Mobile gadgets can be beneficial for immediate solutions like definitions, meanings and different records from virtual libraries and web. While organization has its very own IM network, library also can use web-primarily based totally unfastened immediately messaging offerings from Google, America online, Way2sms etc.

3.3 Suggest a purchase

Librarian can acquire the pointers from the customers through cellular telephones. In such instances customers want now no longer to go to the libraries and write the necessities in a register.

3.4 Library Instructions and Virtual Tours

The library customers, who do not have time to wait on-web page workshops, can get admission to library excursions on their cellular gadgets. Audio/digital excursions may be produced pretty fast and it can also lessen team of workers time spent supporting new customers to orient themselves withinside the library and explaining the offerings supplied via way of means of the library.

3.5 OPAC on Mobile telephones

Libraries can offer their catalogue at the cellular gadgets. Libraries are required to engage with the software program providers to create cellular likeminded WEBOPAC. For instance, OCLC's World Cat Mobile utility pilot lets in customers to look for and discover books and different substances to be had of their nearby libraries thru an internet utility they could get admission to from a PDA or a clever phone.

3.6 Reference provider

Library customers can ask librarians something thru the stay chat and texting with mobiles. The reference offerings may be supplied with the assist of sending and receiving SMS. Immediate comments is likewise viable from the consumer side.

3.7 New Title Preview

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Mobile devices may be used to disseminate the records approximately newly received files which might be of regardless of forms.

3.8 Wi-fi Internet Access

Mobile telephones are to be had with 3G facility. Libraries can provide wireless facility to customers. Through the wireless library customers can get admission to all digital courses inside library campus.

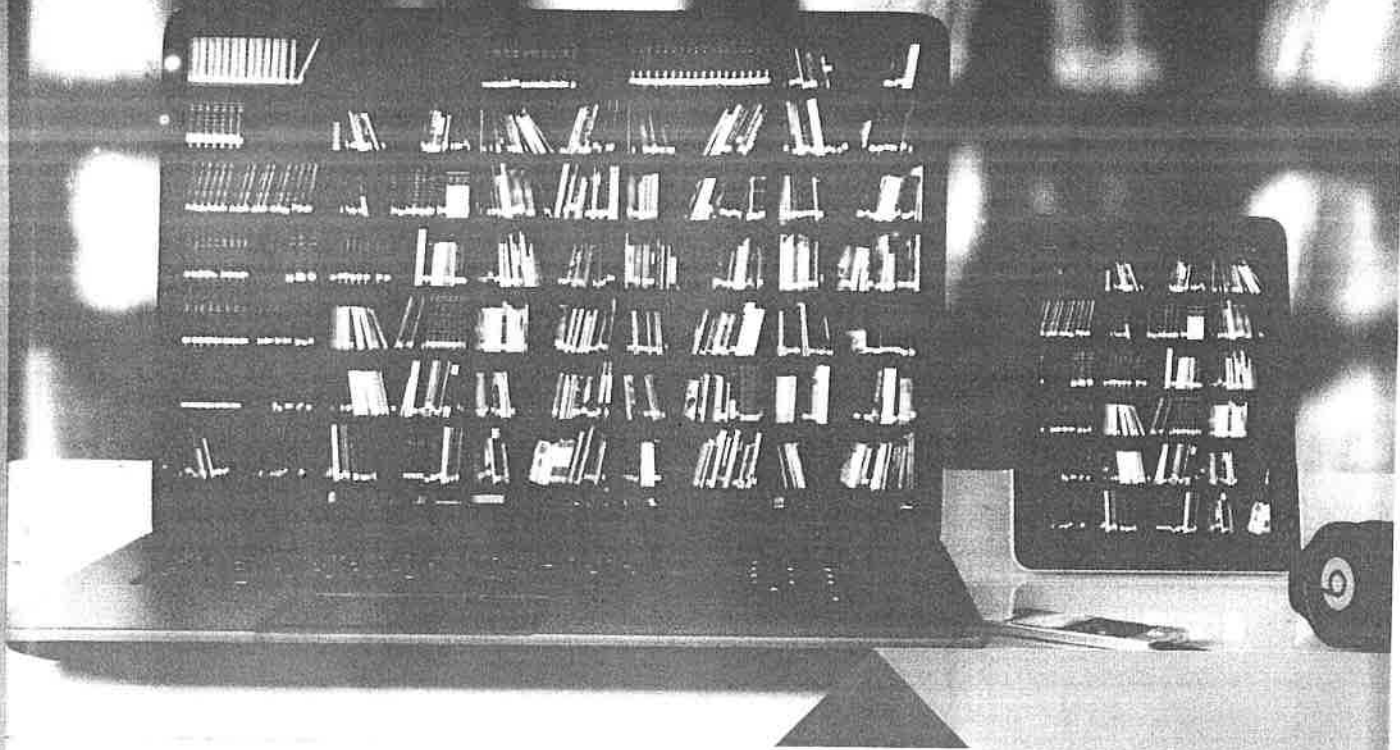
3.9 Current Awareness Service

Current Awareness Service is a shape of provider may be from unique new present-day e-journals articles. It may be made to be had to the customers thru huge variety of cellular gadgets. They can get admission to and seek the identical over their mobiles.

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