MOBILE APPS WITH LIBRARY

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ABSTRACT - *This study examines the effectiveness of analyze and studied the smart phone application usage among the library readers. Mobile phones are inevitable tools for information communication. Library Reader beings in a society use Mobile phone to communicate thoughts, facts, conversations, in general, information. For this purpose the use of technology is very essential.*

*Keywords***: -** apps for Library, Mobile and LibraryServices,

1. INTRODUCTION

The mobile technology users report using the internet in 2012 via mobile phones. The emergence of functional mobile computing technologies enables access to e-mails, chat, web-browsing, useful network services and applications. Smart phones, PDF, and other mobile devices become more powerful for mobile web experience Libraries share techniques for creating and promoting mobile services. Library in Your Pocket Techniques for Developing Successful Mobile Services the cell phone is one of the most rapidly growing new technologies in the world mobile phones can be used effectively in the educational setup. Libraries are the part of educational system. Mobile applications as powerful gateways to their online resources. Which are optimized for reading on a Cell phone screen? Mobile Apps for research, the library resources and services have experienced paradigm shift. The users' information needs are changed overthe period of time. mobile devices have been in popular use for some time, today's mobile devices boast large color displays, high resolution, multi-touch capabilities, significant computational horsepower, and high-speed connectivity. In combination, these features dramatically alter the If you can think of any other applications that might make life as a librarian more convenient, interesting, or fun, leave a comment. Libraries especially use several tools and techniques to circulate the information to the user community

2. HISTORY AND DEVELOPMENT OF MOBILE APPLICATIONS AND WEB SITES

2.1. Libraries to Go: Mobile Tech in Libraries.

Comprehensive Slide share presentation that reviews how libraries can use and develop

Mobiletechnologies.*Access:* http://www.slideshare.net/ellyssa/librariesto -go-mobile-tech-in-libraries-presentation.

2.2. Library in Your Pocket: Strategies and Techniques for Developing Successful

Mobile Services**.**Mobile site developers fromNorth Carolina State University Libraries share techniques for creating and promoting mobile services.*Access:* http://www.educause.edu/Resources/Library in-YourPocketStrategiesa/195003.

2.3. M-Libraries—Library Success: ABestPractices Wiki.

Inc lode s listings of librariesthat offer mobile Webs i t e s (with and without OPACS) and publishers who offer mobile versions of databases. *Access:*http://libsuccess.org/index.php?title=M-Libraries.

2.4.Spectrum>Mobile Learning, Libraries,and Technologies.

This blog documentstopics relating to mobile technologies. Posts include information about specific mobile applications as well as their general usage inlibraries. *Access:*http://mobile-libraries.blogspot.com/.

3. MOBILE OPTIMIZED LIBRARY WEBSITES

Libraries have been talking about optimizing their web sites for mobile devices for years, but mobile browsers have lagged in their ability to display content and have limited functionality the evolution of mobile device browsers (listed above) has benefited from a marked increase in processor power and the increased speed and coverage of wireless network infrastructures. The browser development has also been accelerated by the increased number of web sites being optimized for the mobile users. Megan Fox's who is web and electronic service Librarian at Simmons College explains topic in her site web.simmons.edu which covers many of her presentations on mobile trends and use in libraries and discuss about the various aspects in this regard. She also lists several libraries with mobile optimized sites including:

American university library http://www.library.american.edu/mobile

Ball State University Library http://www.bsu.edu/libraries/mobiles/ Boston University Medical Center Mobile Library: http://med-libwww.bu.edu/mobile/ index.cfmCal Poly Pomona University Library

http://www.csupomona.edu/library/mobile Hanover College, Duggan Library

http://library.hanover.edu/mobile/mhome.html Harvard College Library

http://hcl.harward.edu/mobile/versions University of Illinois Library

http://hades.grainer.uiuc.edu/nikki/mobile/version1

New York University Libraries http://library.nyu.edu.8000/mobile University of Richmond Library http://oncampus.richmond/.edu/academics/library /mobile St. John's University, College of St. Benedict University

of Virginal Library

http://mobile.virginia.edu/library.php Duke Libraries http://library.duke.edu/mobile

4. BEST APPS FOR LIBRARY

Kindle:-The Kindle is by far the most globally popular e-reader and e-reading app on the market, and was created by Amazon. Due to its connections with Amazon it has a huge selection of books to choose from in a multitude of categories.

Nook: - Similar to the Kindle, the Nook is featured by Barnes and Noble, and has many new releases for sale as well as a small selection of free reading materials.

Kobo : - Kobo is an e-reader company that was established in Toronto, Canada, and is the second most used e-reader in the world after the Kindle. It's most commonly used in Canada, and hosts a large assortment of books.

Free Books: - The Free Books app provides 23,469 classic titles for your selection, and allows for highlighting, notes, dictionary support, and bookmarks, which make it an asset for any library.

I Books: - I Books is an iTunes app that includes access to the iBook store for a wide variety of reading materials.

Good Reader: -The newest Good Reader application is called Good Reader 4 and it's more of an academic tool than some of the other e-reading apps on this list. It allows you to access scholarly articles and other documents and save them to your mobile device for later viewing.

Audio books: -Not everybody can enjoy a book on the go, or has the time to sit and scan a page; luckily, the Audio books application offers free books that
you can listen to for multitasking and hands free enjoyment of books.

Freda+:-Freda+ is a customizable reading application that allows for changes in font and color, and accepts text formats like EPUB, HTML, TXT, and FB2.

Box: - Box provides secure access to cloud storage and collaborating on a multitude of mobile devices.

Outliner: - This application assists with the organization and maintaining of the appropriate structure for projects and planning while at the library.

Pages: - Create documents for many purposes including library newsletters, documents for handouts and other pages that may need to be printed later with this mobile word processor. World Book: This Day In History: - This app is perfect for posting a history fact of the day on a library webpage or in individual library departments.

Ever note: - This free note making app organizes and saves ideas by giving you the opportunity to snap photos, take notes, make voice reminders, and even scan business cards.

Things 2: - Things 2 is available for i-Pad, Mac, or i-Phone, and manages tasks by planning your day, saving important dates, customizing workflow, and organizing e-mail.

History: Maps of World: -This app is perfect forlibraries to have on hand during presentations or children's learning events where geography is being discussed.

Drop box: - Drop box is a cloud app that allows you to share files between your tablet, mobile phone and computer wherever the app is installed.Docs Anywhere: - As the name suggests, this app allows librarians to take their Word and image documents anywhere. This is done through USB transfer and it works with Word, PowerPoint, Excel, PDF and other kinds of files.

Keynote: - For librarians who make group presentations for management purposes or during patron events. Keynote supplies animated charts and many other features.

Clicker Presenter: - Another presentation application, e Clicker doesn't just provide standard presentation guides and tools, it also gives librarians the ability to send out questions to the audience with the click of a button.

Mood board: - Mood board is a way to put together all of the events and interests going on around the library into one neat display. Print your page and post it up in the library, or have it uploaded to the library website so that patrons can see what's new and interesting.

Offline Pages Pro: - Although most libraries have Wi-Fi, there isn't always access on the journey between home and work. Offline Pages Pro will give you the opportunity to take information and WebPages with you to read or work on while you're not connected to the internet. It also includes PDF reader support.

Dictionary: - Reading is no fun if you don't know meaning of all the words that you are reading, which is why having a dictionary on the go is a great tool for a librarian. This app also works as a thesaurus and offers a word of the day for each day of the week to strengthen your vocabulary and keep things interesting.

Quick office : - Quick office combines Word, Excel, and Power point into a great mobile app for librarians who need to open, edit, and send documents on the go. This is wonderful for presentations, reports, and other paperwork that have to be processed from time to time.

Wolfram Alpha: - This multi-functional application can help answer questions through a variety of educational tools for math, history, geography, and more. Different features of this app work with different subjects, which could help to better understand various subject matter within the library.

Reference USA:– This application is only available for I Pad at the moment, but it's a wonderful app for librarians who need real time access to research databases across North America. You must have a registered library card to use this app, which is highly convenient if you happen to work at a library.

Article Search: - This is a free app that, like Reference USA, gives you access to a wide selection of scientific papers, academic journals, and other publications. It is great for research related to academic projects going on within the library, and it is also helpful as a library patron aid for those who come to do school work.

Mango Mobile: - The Mango Mobile Library Edition helps with language learning and is free for both I Phone and Android users. With this app you can take cultural lessons and hear the proper pronunciation of words by native speakers. This is a wonderful way for librarians to enjoy books with other languages featured throughout them, and also to share those books with children in reading programs and other events held at the library.

Turbo Scan: -This application gives librarians an edge by allowing them to scan multiple documents using their mobile devices. This works well for receipts and business cards and also for other reading resources that you might like to store.

Cam Dictionary: – Cam Dictionary lets you translate text into different languages and also provides thecorrect pronunciation. This app is particularly neat because you don't need to type the word with text, but you simply point and click, and a photograph will be used to determine the meaning in other languages.

Google Goggles : - This is an Android application that can be great for librarians who want to look up a certain person, place, or item, but can't think of the name. You simply take a photo using your mobile device and then Google Goggles will search for it in its database and give you some information about it if it is found in its database.

Adobe Reader: - This app works for most mobile devices and helps read pdf files without any of the trouble that some pdf readers cause. This is available for a large selection of handheld phones and tablets.

I Annotate PDF: - This is another pdf reader that gives librarians the added advantage of editing their pdf files from their mobile devices.

Offline Pages: - For librarians working without access to the net, Offline Pages will store entire web pages so that you can look at them while out of the reach of Wi-Fi. This is a great way to store info on the go to look at while in transit, or even just when you need a quick glance at something, but don't want to wait for the entire page to load online.

The Guardian Eyewitness: - A very well-known European news source, The Guardian has developed this application to connect users with the world on a whole new level. Unlike other world news programs, this application is designed to bring you strikingly beautiful images from across the globe that visually reflect current events. There is an image of the day, as well as a themed archive of photos that can be sorted through.

CNN: - CNN reports important, up to the minute headlines from around the world. From thisapplication a librarian can stay in the loop of different global subjects and factual information that might be required for later projects and for personal knowledge.

News Rack: - News Rack is an RSS reader for global news which includes crucial top stories from many countries and can be used by librarians to stay informed on an abundance of subjects. This is a great way to connect with the news before work or to look up a top story for research purposes.

USA Today: - For news affecting the United States, the USA Today app is available on nearly any handheld device or mobile unit. This news app also follows world news and includes subjects like money, sports, travel, life, tech, and weather.

Each of these applications has some really great qualities to offer librarians at work or at home to stay organized, up-to-date, and, of course, do some reading. Although some apps might have similar attributes, each individual tool tends to have its own specific advantages to look forward to.

5.MOBILE TECHNOLOGY AND LIBRARY SERVICES

5.1.SMS Alert Services

Libraries can always stay connected with the user community. Alerts services facilitates the libraries to transfer alert messages in relation to the modifications library rules and regulations, new arrivals, new services formed, due items, and academics at regular intervals. Users will be able to select activities or services offered by the library for which they wish to be informed

Following are possible ways to send SMS from libraries, [Kumar &Chitra, 2008]

- Few Library automation software's provide option to send SMS alerts for reserved items, due items to users. For example, Libsys 0.7 version allows libraries to send SMS and emails to library users.Plug-ins integrated with library email system to enable email to SMS messaging.

- Outsourcing the contract to a vendor to send alert services. Many vendors in India offer their customer

- Send bulk SMS. Also libraries can connect

  the service to a PHP, ASP, and .net code to send customized

5.2.   SMS through the library websites:

- Libraries might use SMS services in the following domains (M-Libraries, 2012).

- To send SMS to collect the requested books

- Reminding the user if, book is due in his/her account; informing user about the exact fine.

- Acknowledging the user about renewal of a book.

- OPAC service.

- Users may request the opening and closing

  hours of the library.

5.3.   Suggest a Purchase: -
Users can suggest thebooks or other information resources through SMS or emails via mobile phones. Librarian can receive the suggestions from the users sent via mobile phones. In such cases users need not to visit the libraries and write the requirements in a register

5.4.   Location of the library: -
Users might beprovided with virtual tours of
the library sections and their services. The information on location of the library can be delivered to mobile phones with GPRS. Users can reach to the library location with the help of Google maps, which indicates the driving directions, street addresses of the library. For instance, Library of Congress provides an application prepared for the phone users which gives a virtual tour of Library of Congress that mirrors the main reading room, the great hall, the bible collection etc.

5.5. Audio Tour: -
Libraries even can provide audiotour of a library. For example, University of Limerick library, Ireland provides such a service to the users. It includes audio guidelines
to the library users (University of Limerick Library,
2012).

5.6. New Title Preview: -
Mobile gadgets can beused to disseminate the information about the newly acquired titles in the libraries. Patrons get informed of newly acquired documents which are of irrespective of forms. Library users preview the titles, thus, it is helpful to reserve the items if they need.

5.7. Image Services: -
The Image Services in alibrary might offer a number of high quality, fee based photographic and document imaging services including digitized photographs, diagrams, maps, photos of places of national importance. Thus, the libraries can disseminate the information in the image forms.

5.8. Research consultation and instruction: -

It is a kind of customer care service. Research scholars often need scholarly information. Their need is specific. Library can solve their problem of information search. Research scholars may have an interaction with the library staff to get the consultation to access the scholarly information. Search strategies of the scholarly information can be taught to them via mobile phones. Proper instruction to them leads to the effective use of library collection.

5.9. Wi-Fi - Internet Access: -

Present day marketis flooded with several mobile phones are available with 3G & 4G facility. They offer high speed Internet access 24X7. Libraries can offer Wi-Fi facility to access electronic information sources. The information can be downloaded and stored in PDF, DOC, PPT and HTML format in mobile phones. The use of the same is also easy due to the advancement in the technology.

6. CATALOGUE SEARCH

6.1. Library catalogue: -
Libraries can providetheir catalogue on the mobile devices. Verysimple search interface can be provided here. Library users can search for electronic sources too. When the user provides keyword and clicks on search button the brief bibliographic record of the desired documents will appear on the mobile screen. Library users are provided with user ID and password to access the full text information. University of Cambridge has made a provision to search the library catalogue from the mobile device. The service can be viewed byaccessing the URL - http://www.lib.cam.ac.uk/mob/#menu.

6.2. Journalfinder: -
Library Journal Finderprovides access to full text journal, magazine, and newspaper content as well as links to titles held in print. By giving keywords and then by clicking the search link users can find articles on a topic or subject. American University library has providing option to search journals through mobile phones. The URL for this service is http://www.library.american.edu/mobile/get_a rticle.html. If, a user did not find the journal another link was provided to Washington Research Library Consortium (WRLC) which connects the users to Aladdin Catalogue, where remote users can search and demand for library

consortia (https://www.aladin.wrlc.org/Z-WEB/Aladin?req=main). This website is designed for mobile users.

6.3.News and Events: -
Traditional librariesmaintain notice boards to provide updated information to the users. Notice boards contain information such as, job openings, varieties of scholarly competition, library events such as orientations program, stock verification, book recall, lectures on special topic, news in relation to scholarly work, awards and so on. Libraries now can make effective use of mobile devices in order to update the user's knowledge regarding the above said events and news. Short messages regarding the library events and news can be sent to the users personally.

6.4. Reference Service: -
Library users can asklibrarians anything through the live chat and texting with mobiles. The reference services can be provided with the help of sending and receiving SMS. Immediate feedback is also possible from the user's side. The reference services can be provided in the working hours of library.

7. CONCLUSION

Thus the Application of mobile Technology in library services is the age of today. The proper benefit of library service activities will boon the dynamic way of providing information in the right time to the right users. Library may reach the remote users effectively by adopting of mobile technology in its services. The help of technological advances, library and knowledge professionals need to redesign library services to support learning, teaching, research, and other developmental activities. . Mobile technology has become boon to the libraries. A library may reach the remote users effectively by adopting of mobile technology in its Services. . Library users can access digital resources while physically near the printed materials. Libraries can reduce installation and maintenance costs of their network and they can move, add and change the network very quickly.

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