

Connectivity – the key is in your pocket

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UPLS Digitisation

9 June 2011



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA
Denkeleiers • Leading Minds • Dikgopolo liso Dihalefi



Mobile tech is here – Is it obvious?

Sometimes I'm confused by what I think is really obvious. But what I think is really obvious, obviously isn't obvious

Michael Stipes (American Singer & Song Writer)



Digital Natives



Digital natives – have no memory of a time when technology (*sic.* as we no it today) did not exist, the implication that they are somehow better suited or more attuned to the technology implies that some sort of advanced neurological evolution has occurred within a span of a generation

Mobile tech – Visitor or Resident?

- ▶ Visitor:

Use the web as tool in an organised manner whenever the need arises

- ▶ Resident:

Lives out a part of their life online




Network Weaving - 2.0 with a purpose



 Welcome
Ria
(edit)

-  **My Feed**
-  Community Feed
-  Private Messages
-  Activity Stream

COMPANY

-  Members
-  Topics
-  Admin
- More

My Feed

Share an update with my followers

Start a conversation, share, enquire, introductions...



Francois Joubert

I have been sharing some of the ideas that I picked up in the workshop with some of my colleagues. The push-back is interesting especially from traditional KM theories which believes that knowledge should be gathered, stored and categorised. Their feedback to me was that social networking is theoretical and has not been proved to effectively manage knowledge... I suppose it all comes down to what you believe your KM outputs should be.
5 hours ago · Reply · Like · More



tessa schoeman: Hi Francois and then adoption of new technologies and we as Librarians are very guilty that we want to stick to old methods that work. The only way we can survive is to move forward and explore. We should see it as a challenge which can open many doors.
2 hours ago

Write a reply...



Nancy White

Interesting visualization of facebook content
<http://www.intel.com/museumofme/r/index.htm>
5 days ago from Desktop · Reply · Like · More



Pavlinka Kovatcheva: Nancy I also love the visualisation link. I already shared on my FB profile.
3 hours ago from Desktop

Write a reply...



Ria Groenewald

Oh Nancy, the link to the visualization of facebook content is so nice, thank

Getting Started

+ Joining a group will bring you to 100%



90%

- Complete Your Profile
- Add Your Photo
- Follow People
- Join Groups

Community

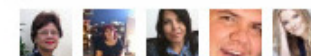
This is a private community created by [Elmi Bester](#) from [Csir.co.za](#). Members must be invited by an admin.

Related Networks

Csir.co.za (parent)

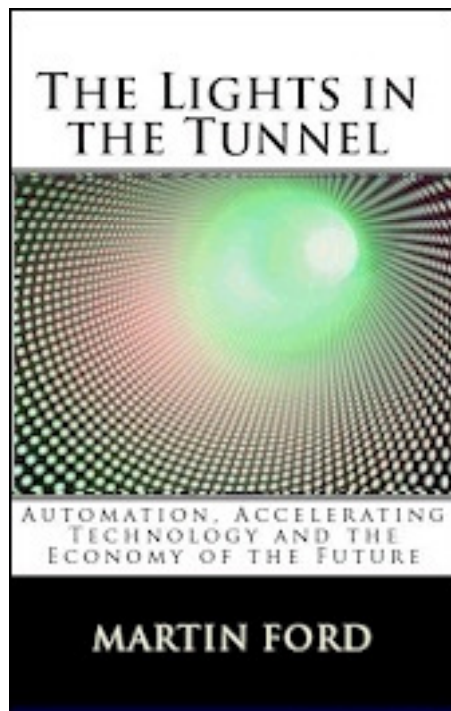
- [Up.ac.za](#)
- [Unisa.ac.za](#)
- [Eskom.co.za](#)
- [Idc.co.za](#)
- [Uj.ac.za](#)
- [Fullcirc.com](#)

Online Now (5)



Will Automation Lead to Economic Collapse?

<http://singularityhub.com/2009/12/15/martin-ford-asks-will-automation-lead-to-economic-collapse/>



- ▶ Will the future be filled with cool technologies and endless opportunities or will our own creations lead to eventual doom?
- ▶ Ford proposes that in the upcoming years robots and computer programs will edge human workers out of their jobs and that unless we take drastic actions this will reduce mass market purchasing power, destroy consumer confidence, and shut down the global economy.

Aaron Saenz December 15th, 2009

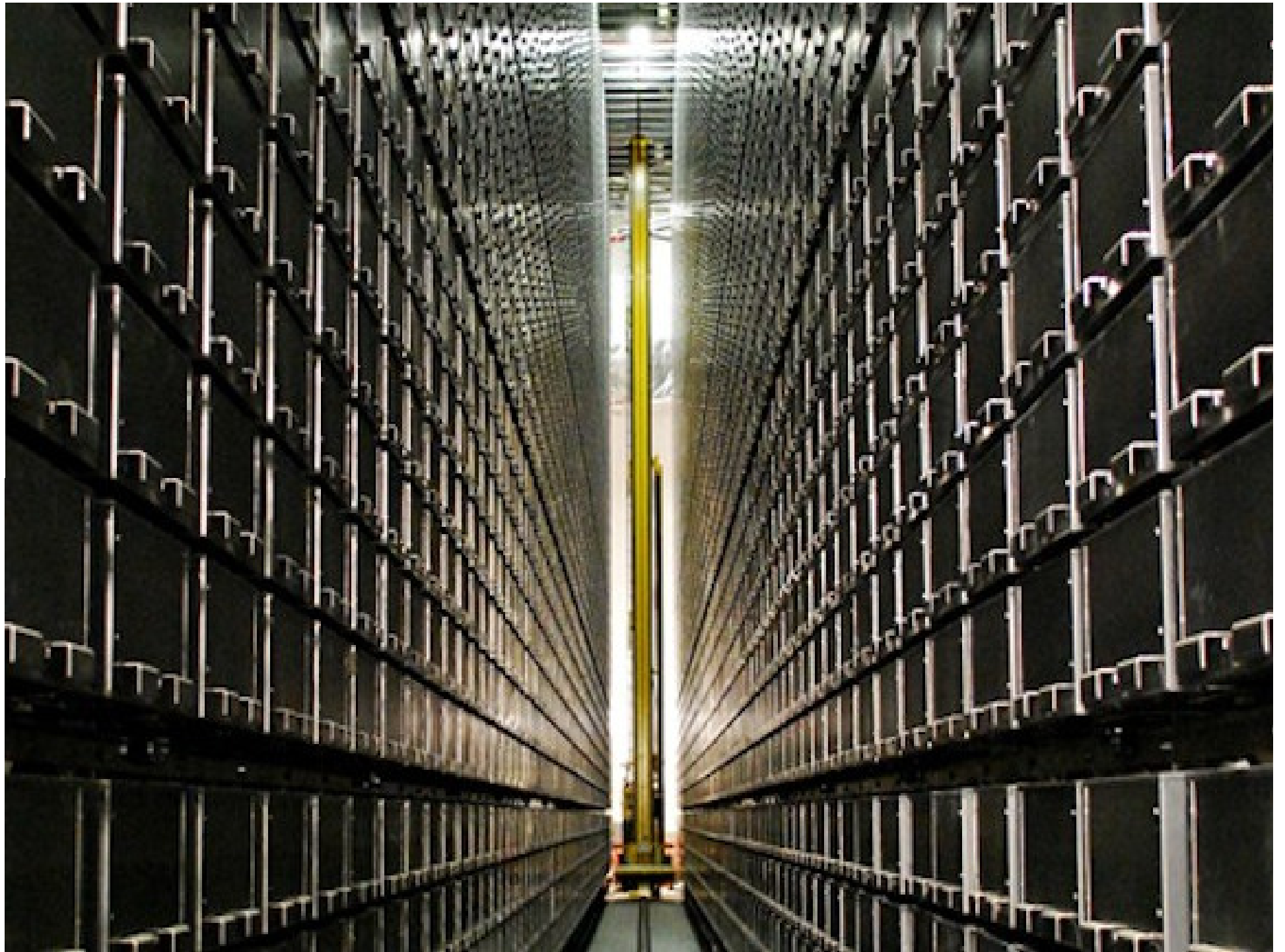
Where are the books?

- ▶ University of Chicago's Joe and Rika Mansueto library
- ▶ Storage of books in bins, stacked five stories high beneath your feet
- ▶ Automated storage and retrieval system (ASRS)
- ▶ Computer-activated robotic cranes find the book you want, deliver it to the circulation desk, and eventually return it back underground



Dome

Underground
Book Storage



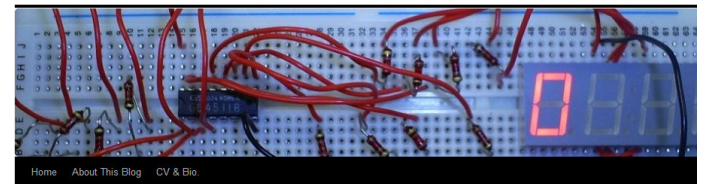


Mobile technology and libraries

- ▶ Web enabled vs smartphones
- ▶ Operating Systems
- ▶ Applications (Apps)
- ▶ Mobile devices:
- ▶ Kindle / iPad / BB Playbook Tablets
- ▶ What is in store for libraries?
 - Location based services
 - Personally networked devices
 - Ubiquitous connectivity

The Digital Immigrant

At the intersection of higher education and technology



← Viewer Mail

Digital Commons Event Community →

Support My Cause

“Adoption of E-Book Readers among College Students: A Survey”

Posted on March 31, 2011 by Brad Matthias

☆☆☆☆☆ Rate This

**Information
Technology
AND Libraries**

The article is by Nancy M. Foasberg and is scheduled to appear in [Information Technology and Libraries](#) from the [Library and Information Technology Association \(LITA\)](#).

“To learn whether e-book readers have become widely popular among

Help an abused animal by donating to the Exotic Feline Rescue Center.

Search This Site

bmattie
Follow me on Vodpod

Future of the Book
bmattie has 0 followers
vodpod

Meta
• Register

<http://bradmatthies.wordpress.com/2011/03/31/%E2%80%99CAdoption-of-e-book-readers-among-college-students-a-survey%E2%80%9D/>

Web-enabled vs smartphones

- ▶ Web-enabled – can connect to www
- ▶ Limited capabilities
- ▶ Smartphone – play music, show video, Geo technologies, browse the web, photo/video editing, apps
- ▶ Combination of a phone and a PDA ++
- ▶ “The father away from “phone” it gets, the smarter a smartphone becomes” *Jason Griffey*



Google images: handheld dfevices

Operating Systems

- ▶ RIMS (BlackBerry) – Java programming
- ▶ Symbian (Nokia) – Java programming
- ▶ Windows (HTC)
- ▶ Android (Samsung/HTC)
- ▶ OS X same as for Apple Mac (iPhone/iPad)

<http://www.geocaching.com/>



Mobile devices – eReaders etc

- ▶ Kindle use E Ink technology for display
- ▶ E Ink is high contrast (16 bit grayscale)
- ▶ Layer of electrostatic spheres, where each sphere is half light and half dark
- ▶ Spheres are flipped individually to make an image
- ▶ When display orientation change spheres flipped again to new orientation

Google images:
eReaders





The Worldwide Leader in Mobile CMS

The screenshot shows the desktop version of the mofuse website. The header includes the mofuse logo and the tagline 'The Worldwide Leader in Mobile CMS'. Navigation links for 'Home', 'Why Mobile?', 'Learn More', and 'Plans & Pricing' are visible. The main content area features a large blue banner with the text 'Reach your audience on any mobile device.' and 'Build, Launch, Measure, Integrate and Promote your mobile website.' Below this is a 'Cutting Edge Geolocation Features' section with a map of San Francisco and several 'Your Location' callouts. A sidebar on the left offers 'Build it Yourself' and 'Build it For Me' options with details like 'FREE TRIAL', 'Easy Drag & Drop', and 'Monthly Subscription'. The footer displays logos for 'TARGET', 'SEATTLE SEAHAWKS', 'harperstudio', 'HARVARD BUSINESS', 'FALCONS', and 'InformationWeek'. A 'Just a Few of our Features' section highlights 'RSS Feeds' and 'WYSIWYG Editing'.

The screenshot shows the mobile version of the mofuse website. The header includes the mofuse logo and the tagline 'The Worldwide Leader in Mobile CMS'. Navigation links for 'Home', 'Why Mobile?', 'Learn More', and 'Plans & Pricing' are visible. The main content area features a large blue banner with the text 'Reach your audience on any mobile device.' and 'Build, Launch, Measure, Integrate and Promote your mobile website.' Below this is a 'Web App in Minutes!' section with a call to action 'Watch The Quick Demo'. A sidebar on the left offers 'Build it Yourself' and 'Build it For Me' options with details like 'FREE TRIAL', 'Easy Drag & Drop', and 'Monthly Subscription'. The footer displays logos for 'TARGET', 'SEATTLE SEAHAWKS', 'harperstudio', 'HARVARD BUSINESS', 'FALCONS', and 'InformationWeek'. A 'Just a Few of our Features' section highlights 'RSS Feeds' and 'WYSIWYG Editing'. A testimonial box on the right contains a quote: 'MoFuse is a wonderful do-it-all tool for our mobile product. I have the power to change anything, anytime, and the MoFuse team is there when I need them. Our viewers and sponsors are excited about the look and functionality of our new mobile site. It's been a...'

URL Shorteners

eg. (goo.gl/ bit.ly/ tinyurl.com/)



url shortener

Search

About 3,600,000 results (0.16 seconds)

[Go to Google.com](#) [Advanced search](#)

Everything

Images

Videos

News

Realtime

More

Pretoria

[Change location](#)

The web

[Pages from South Africa](#)

Any time

[Latest](#)

[Past 24 hours](#)

[Past week](#)

[Past month](#)

[Past year](#)

[Google URL Shortener](#) 🔍

Google **URL Shortener** at [goo.gl](#) is used by Google products to create short URLs that can be easily shared, tweeted, or emailed to friends.

[goo.gl/](#) - [Cached](#) - [Similar](#)

[bitly | Basic | a simple URL shortener](#) 🔍

Offers **URL** redirection service with real-time link tracking.

[Sign In](#) - [Sign Up](#) - [A simple URL shortener](#) - [Tools](#)

[bit.ly/](#) - [Cached](#) - [Similar](#)

[TinyURL.com - shorten that long URL into a tiny URL](#) 🔍

Free **URL** redirection service. Turns a long **URL** into a much shorter one.

[tinyurl.com/](#) - [Cached](#) - [Similar](#)

[News for url shortener](#)



[Siliconrepublic.com](#)

[Twitter launches its own URL shortener](#) 🔍

2 hours ago

Until now, users who wanted the extra message space after posting a long URL had to go to an external **URL-shortening** website, like bit.ly, before posting ...

[TG Daily](#) - 44 related articles - [Shared by 20+](#)

[Twitter Rolls Out Automatic URL Shortening. Makes Sharing Links Easier](#) 🔍

[Scribbal](#)

[Twitter Automates Link Shortening for Its Web App](#) 🔍

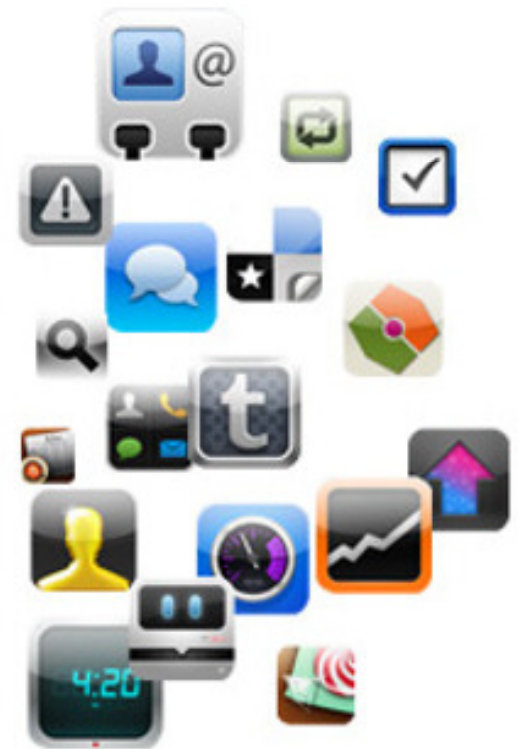
[Mashable](#) - [Shared by 100+](#)

Applications (Apps)

- ▶ 1st Library app launched in 2009 by Washington DC Public Library

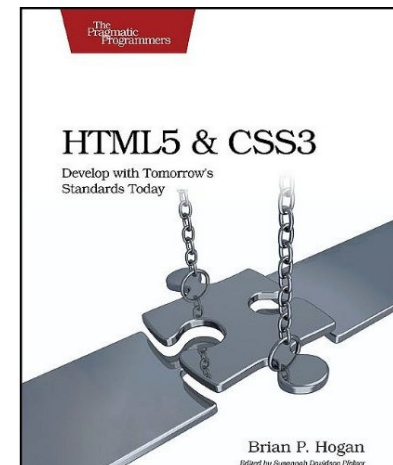


Google images:
applications

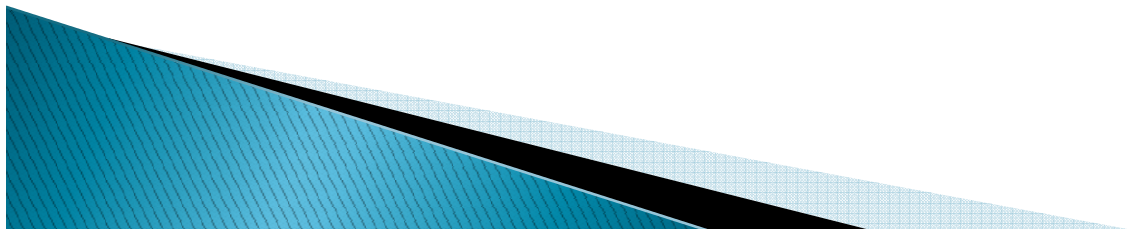
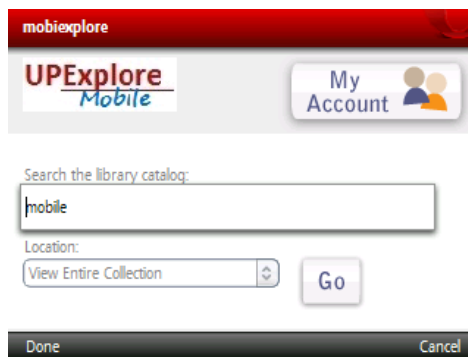
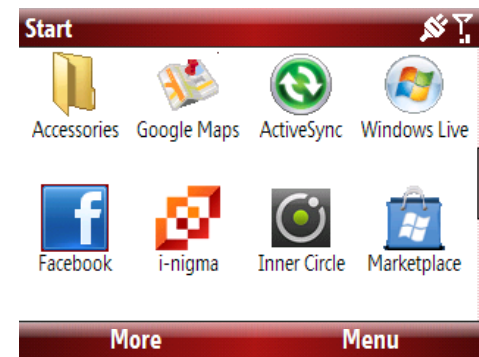
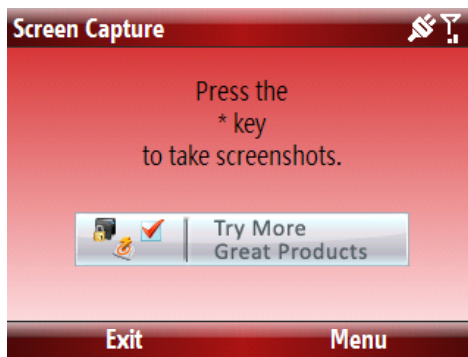
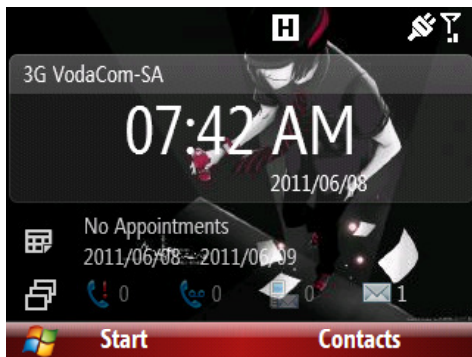


Applications / Apps??

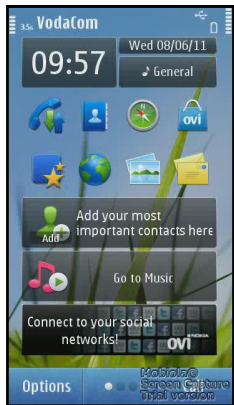
- ▶ Search your catalogue *and* prompt the user to chat with a librarian if the search failed – just write the app
- ▶ The library is portable : users access the information they need wherever they are
- ▶ Web page – horizontal, short, direct Applications for extra information
- ▶ (Boopsie)(AIRPAC) for library catalogue searches



HTC screen captures – UPExplore Mobile



Nokia N8 screen captures – UPExplore Mobile




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UP Library Services


About the Library

- Library Hours
- Maps/Directions
- Contact Details

Search

- Library Catalogue
- Databases
- e-Journals
- Dictionaries
- Encyclopaedias

Comments welcome: libweb@up.ac.za
 Return to Library Mobile Homepage
 ©2010 University of Pretoria
 All rights reserved


UPExplore
Mobile
My Account 

Search the library catalog:

Location:


[Catalog Search](#) >
[Library Information](#) >
[Main Site](#) >


AirPAC © Innovative Interfaces, Inc.


UPExplore
Mobile
My Account 
37 kB

646 found in View Entire Collection

1 2 3 4 5 6 7 8 9 10 11 ... 54 Next

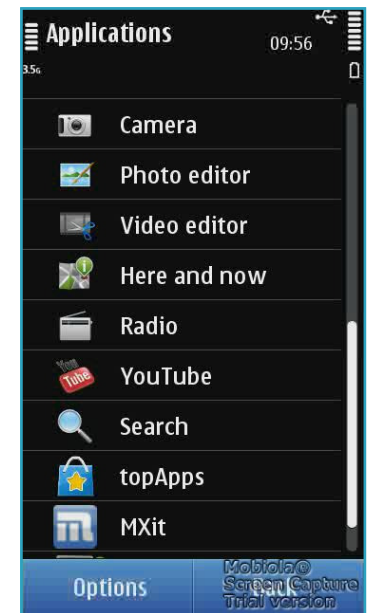

1. Mobile marketing : fundamentals and strategy
 Varnali, Kaan.
 c2011
 [Request](#)

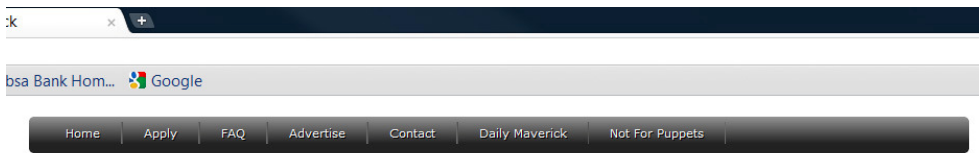

2. Introduction to autonomous mobile robots.
 Siegwart, Roland.
 2nd ed. / Roland Siegwart, Illah R. Nourbakhsh, and Davide Scaramuzza.
 c2011
 [Request](#)


3. Libraries and mobile services
 Hanson, Cody W.
 c2011
 [Request](#)

Apps and different providers

- ▶ Apple : Software Development Kit (SDK) – pay to get app onto iTunes from where apps can be loaded on phone for free
- ▶ Android: Open Source (HTML5/CSS3/Java)
- ▶ BlackBerry: BlackBerry Java Development Environment (JDE)
- ▶ Nokia: (Java Micro Edition (JME))





i think therefore
iMaverick Like 68
Tweet

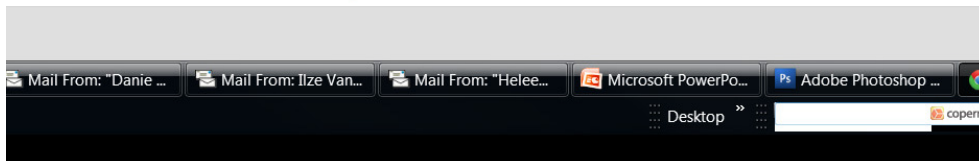


SA's daily iPad newspaper. Launching 15 August.

From R395 per month, including an iPad2

[PRE-ORDER 24MTH SUBSCRIPTION WITH IPAD 2 HERE](#)

Seven-thirty in the morning. You pick up your iPad, press the download button, and the world comes alive.



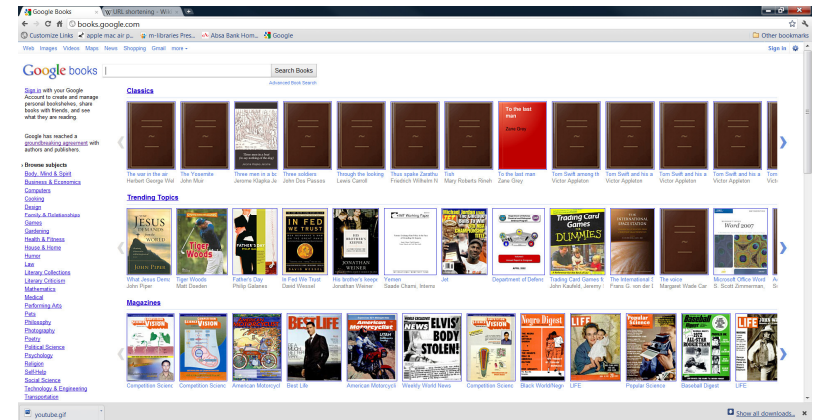
South Africa's first iPad daily newspaper launching 15 August

A full-feature daily newspaper. The latest overnight news with short, sharp insights and longer magazine-quality articles on events that happened in the last 24 hours.

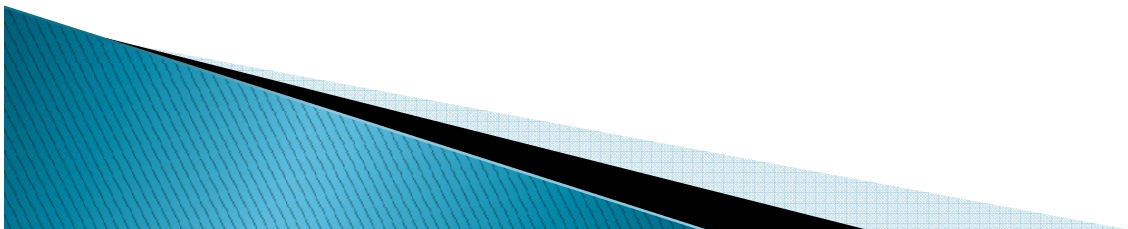
Everything you need to know about South African and global business, politics, life, sport, arts and lifestyle. Written by the most thoughtful, eloquent journalists and opinionistas in the country. All there, in one must-read daily newspaper delivered directly to your iPad. All in full technicolour, multimedia-fuelled glory.

<http://imaverick.co.za/page/landing-page>

eReaders – apps



- ▶ Stanza (<http://www.lexcycle.com/>) : allows for nearly anything e-book: access to Project Gutenberg, desktop app for computer to convert and upload existing texts from Word files to converted PDFs to your phone
- ▶ Classics(<http://www.cultofmac.com/classics-collection-ebook-reader-coming-for-iphone/4192>) (cheap and outstanding application)
- ▶ Google Books
- ▶ News – Radio stations, News Papers
- ▶ Audio books : LibriVox (<http://librivox.org>)
- ▶ Videos: Overdrive / YouTube



Library Services – then and now

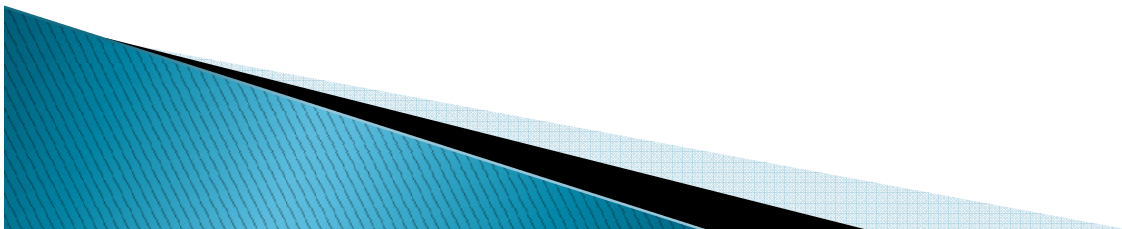
- ▶ Old:

- ▶ 1. Users come to library
- ▶ 2. Use telephone for service
- ▶ 3. eMail and instant messages



- ▶ New:

- ▶ Mobile reference – contact you wherever they are
- ▶ Information available when they want it
- ▶ Be careful not to be a victim (24/7)



Smartphones give you wings



Pedagogical
affordances of
mobile Web 2.0

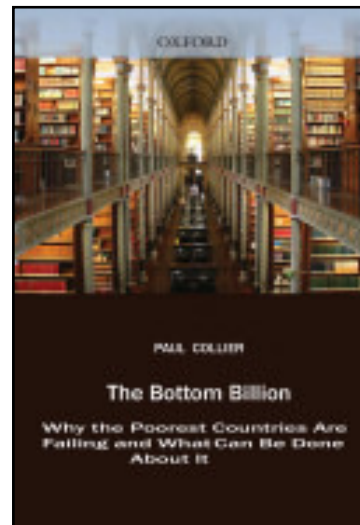
Thomas Cochrane, Roger
Bateman

[Australasian Journal of Educational Technology](http://www.ascilite.org.au/ajet/ajet26/cochrane.pdf)
<http://www.ascilite.org.au/ajet/ajet26/cochrane.pdf>

Constantly connected



- ▶ Patron focused services
- ▶ Smartphones stay connected
- ▶ William Gibson: “the future is here, it’s just not evenly distributed”
- ▶ Read a book on your phone
- ▶ iPhone – Stanza / Android - Aldiko eBook / Sony - Overdrive



Holograms

Your cell phone will be your wallet, your ticket broker, your concierge, your bank, your shopping buddy, and more: In the next five years, your mobile phone will be a trusted guide to shopping, banking, touring a new city, and more. New technology will allow you to snap a picture of someone wearing an outfit you want and will automatically search the web to find the designer and the nearest shops that carry that outfit. You can then see what that outfit would look like on your personal avatar – a 3-D representation of you – right on your phone, and ask your friends, in different locations, to check it out online and give their opinion. Your phone will also guide you through visiting a city. When you turn on your phone in a city you are visiting, it automatically provides you with local entertainment options, activities, and dining options that match your preferences, and then make reservations and purchases tickets for you – like a personal concierge.

Home Latest Launches Road Tests F1 Grand Prix Motorsport Bikes, Quads & Karts 4 X 4 Special Features Industry News

SA Time: Wed Jun 08 2011 16:08:13 GMT+0200 (South Africa Standard Time)

New Opel Zafira revealed by hologram

February 9 2011 at 10:24am [Comment on this story](#)

GM chose a decidedly trendy means of revealing the concept version of its next-generation Opel Zafira to the world - they created a hologram effect through an iPad held by design boss Mark Adams.

The concept car closely resembles the next-generation Zafira compact MPV and although not much has been revealed about this forthcoming model, Adams has described it as "a lounge on wheels that features an airy and bright interior executed in high quality. Here we've applied the lounge concept to a motor vehicle.


"A lounge is a place you want to escape to and relax, a place where you really want to be. We wanted to offer the same feeling in a monocab and make it the lounge you want to spend time in," he continued.

While that's not the first time a carmaker has tried this, it's hard not to admire the whole concept. Opel also promises that it will offer the highest possible cabin flexibility to meet most needs for space, with a great emphasis on rear passenger seats. The cabin is also generously glazed to allow as much light to enter as possible.


Moving to the outside, a key design element here is the wing shaped headlamp that we've seen on previous concept cars and which is likely to become a signature feature on future Opels.

Other than that, the concept features an Astra-like grille and a shape that's a natural evolution of the current Zafira.

The concept will make its debut at the Geneva Motor Show on 1 March, alongside the production-ready Opel Ampera, which is Opel's version of the Chevrolet Volt plug-in hybrid vehicle.



This concept previews the next-generation Opel Zafira.



Opel design boss Mark Adams presents the new concept car via iPad hologram.

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- Merc's new M-Class - official pics
- Triumph's monster twin in pictures
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ERROR
The requested URL could not be retrieved.

While trying to retrieve the URL:
<http://ad.doubleclick.net/adi/N3643.IOL>

The following error was encountered:

Access Denied.

Access control configuration prevents your request from being allowed at this time. Please contact your service provider if you feel this is incorrect.

Your cache administrator is cachemgr@it.up.ac.za.
Generated Wed, 08 Jun 2011 14:01:20 GMT by intacc.up.ac.za

<http://www.iol.co.za/motoring/cars/opel/new-opel-zafira-revealed-by-hologram-1.1023482>

<http://www-03.ibm.com/press/us/en/pressrelease/22683.wss>

iCloud

The screenshot shows a ZDNet article page. At the top, there's a navigation bar with 'News & Blogs', 'Reviews', 'Downloads', and 'White Papers'. Below that, a secondary navigation bar lists categories like 'Companies', 'Hardware', 'Software', 'Mobile', 'Security', 'Research', and 'Special Coverage'. The article title is 'Is the iCloud the end of the Linux & Windows desktop?' by Steven J. Vaughan-Nichols, dated June 6, 2011. The article text discusses cloud-based operating systems like Google Chrome OS and Apple's Lion, and how iCloud might impact the Linux and Windows desktop. A sidebar on the left includes 'Topics' (Google Inc., Xcerion, iCloud, PC, Operating System, Apple Inc., Microsoft Windows, Computing, Linux, Operating Systems, Desktops) and 'Blogger Info' for Paula Rooney and Steven J. Vaughan-Nichols. A right sidebar features a newsletter sign-up form and social media links for Facebook, Twitter, YouTube, and mobile apps.

It's so darn easy when all you really need to get work done from anywhere is an Internet connection and a Web browser. Forget your file at the office? Just grab your copy from [Dropbox](#), and you're good to go. But, Jobs takes it even farther. All your data will be on the iCloud and it's automatically pushed to any of your devices.

It sounds great doesn't it? ... but, and this is a big one, do you really want to trust Apple or Google with all your data? What happens if you don't pay your fee to Apple? What happens if the Recording Industry Association of America (RIAA) demands a copyright audit of all [my music on iTunes Match?](#)

<http://www.zdnet.com/blog/open-source/is-the-icloud-the-end-of-the-linux-windows-desktop/9041>

Augmented Reality (AR)

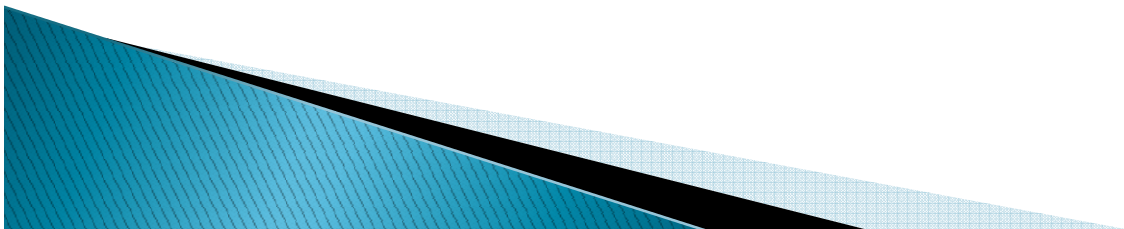
09 June 2011 | 04:27:33 AM | Source: Reuters

- ▶ eBay is hunting for acquisitions to speed up its development of image recognition and augmented reality features as the online retailer and auctioneer seeks to capitalize on the potential of mobile phones to help consumers make impulse purchases
- ▶ Image recognition, which rival Amazon already has, would allow users to photograph an object with their phone, send the image to eBay, find a match in the online store and buy it within seconds -- before losing interest



What is in store for libraries?

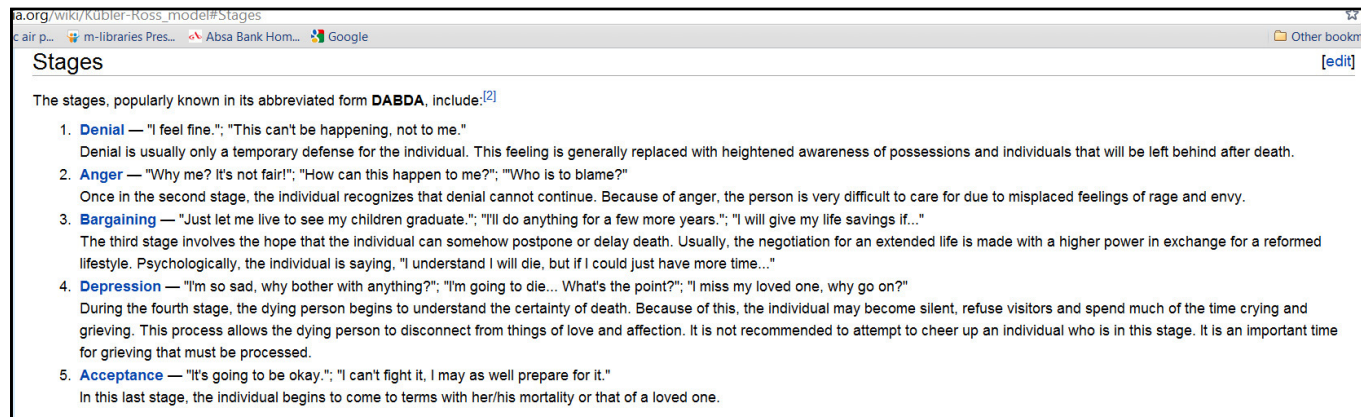
- ▶ Libraries cannot play catch-up as we did with the Social Web
- ▶ Your users expect information to come to them
- ▶ Users are tied to their mobile phone as the center of their information ecosystem
- ▶ Create a mobile strategy



Phases of change – staff buy in

- ▶ Denial – why do we need it?
- ▶ Anger – what they want is stupid
- ▶ Bargaining – justifying the old way of doing things
- ▶ Depression – lost of comfort zone
- ▶ Acceptance – embrace and enhance new technology

Idea from (Elisabeth Kübler-Ross 1969: *On Death and Dying*)

A screenshot of a web browser displaying a Wikipedia page titled "Stages". The browser's address bar shows "en.wikipedia.org/wiki/K%C3%BCbler-Ross_model#Stages". The page content includes a heading "Stages" and a sub-heading "The stages, popularly known in its abbreviated form DABDA, include:^[2]". Below this, there is a numbered list of five stages: 1. Denial, 2. Anger, 3. Bargaining, 4. Depression, and 5. Acceptance. Each stage is followed by a brief description of its characteristics and typical thoughts or feelings.

en.wikipedia.org/wiki/K%C3%BCbler-Ross_model#Stages

air p... m-libraries Pres... Absa Bank Hom... Google

Stages [edit]

The stages, popularly known in its abbreviated form **DABDA**, include:^[2]

- Denial** — "I feel fine."; "This can't be happening, not to me."
Denial is usually only a temporary defense for the individual. This feeling is generally replaced with heightened awareness of possessions and individuals that will be left behind after death.
- Anger** — "Why me? It's not fair!"; "How can this happen to me?"; "Who is to blame?"
Once in the second stage, the individual recognizes that denial cannot continue. Because of anger, the person is very difficult to care for due to misplaced feelings of rage and envy.
- Bargaining** — "Just let me live to see my children graduate."; "I'll do anything for a few more years."; "I will give my life savings if..."
The third stage involves the hope that the individual can somehow postpone or delay death. Usually, the negotiation for an extended life is made with a higher power in exchange for a reformed lifestyle. Psychologically, the individual is saying, "I understand I will die, but if I could just have more time..."
- Depression** — "I'm so sad, why bother with anything?"; "I'm going to die... What's the point?"; "I miss my loved one, why go on?"
During the fourth stage, the dying person begins to understand the certainty of death. Because of this, the individual may become silent, refuse visitors and spend much of the time crying and grieving. This process allows the dying person to disconnect from things of love and affection. It is not recommended to attempt to cheer up an individual who is in this stage. It is an important time for grieving that must be processed.
- Acceptance** — "It's going to be okay."; "I can't fight it, I may as well prepare for it."
In this last stage, the individual begins to come to terms with her/his mortality or that of a loved one.

http://en.wikipedia.org/wiki/K%C3%BCbler-Ross_model#Stages

How Can Libraries Address Mobile Phone Users? Cambridge U. Report Sheds Some Light

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Several new services can be considered; iPhones have mixed potential

Lynn Blumenstein -- Library Journal, 05/25/2009

- Phone usage studied, photo feature helpful
- Configure services for small screens
- iPhone platforms may be too limited

Go back to the Academic News wire for more stories

How can university libraries serve users "on the move?" Develop services for mobile devices or as known in a [report](#) from the [Cambridge University Library](#), UK, "m-library services."

The university library's Information on the Move project studied how mobile phone users interacted with retrievable information, identified trends, and "then extrapolated ways that libraries could support those mobile information needs." Many of the services have already been tested or implemented by academic libraries.

Recommendations

The study recommends establishing text alert services generated by library management software as well as offering text reference services, along with developing an OPAC interface for phones. A library's web site should be configurable for small screens.

Also, limited, silent-mode phone service should be allowed in libraries. Libraries should develop audio tours. University libraries should wait for technology to make phone ejournal access possible without developing platforms on their own to facilitate this.

How phones are used

Some 50 percent of respondents said they take photos of signs, books, etc to save information for later reference. Library staff reported seeing users take pictures of the catalog results screen, rather than making notes on a piece of paper.

Students at [University of Cambridge](#) and the [Open University](#) reported that they used their phones most to get campus maps or contact information, but a substantial number also access the OPAC (45 and 55 percent at the two universities, respectively).

iPhone, smartphone growth

Although students surveyed currently prefer to access information via SMS (text messaging) than via

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
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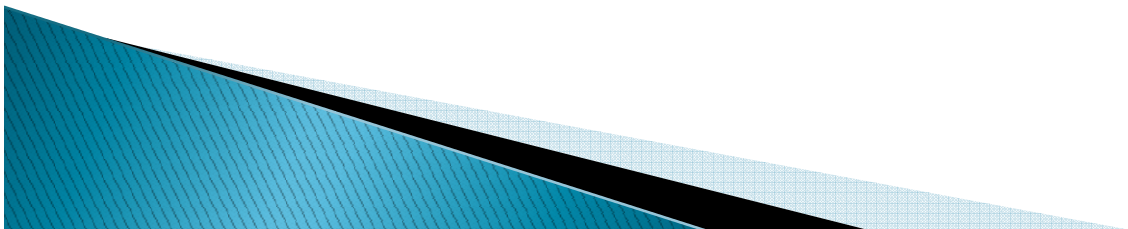
 **Games, Gamers, & Gaming**
Liz Danforth

An interesting article on the use of cellphones in libraries by patrons of the Cambridge University Library. Please note the publishing date of the article – 2009. Much could have changed op to now.

<http://www.libraryjournal.com/article/CA6667421.html>

Uses of Mobile Technologies

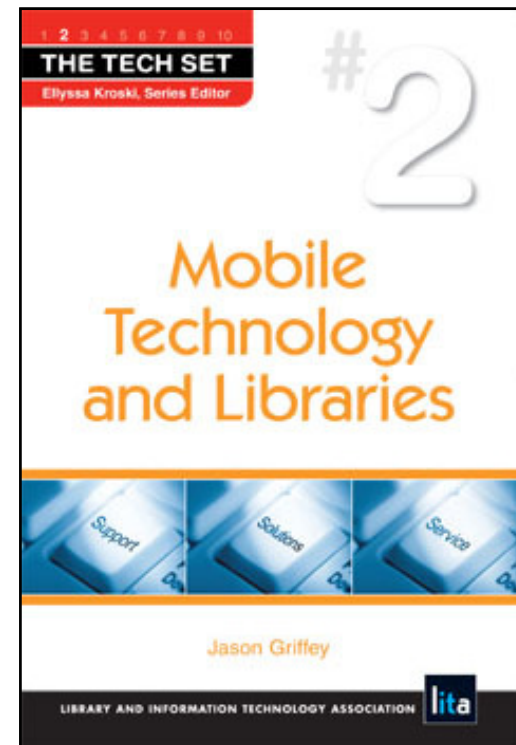
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Questions?

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This presentation was mostly based on Jason Griffey's ideas

