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QR Codes: What, why, how & where

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QR Codes: What, why, how & where



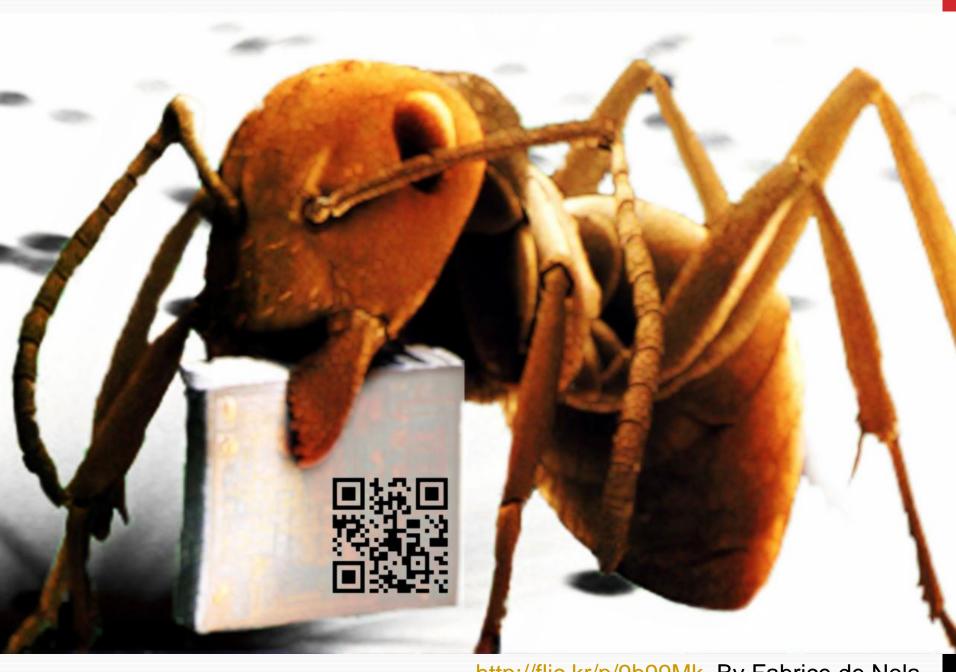
ROBIN M. ASHFORD, MSLIS TRENDY TOPICS ONLINE CONFERENCE MARCH 16, 2011 - @RASHFORD

WHAT ARE QR (QUICK RESPONSE) CODES

 A QR code is a matrix barcode readable by smartphones, mobile devices with cameras (new iPod Touch) and more

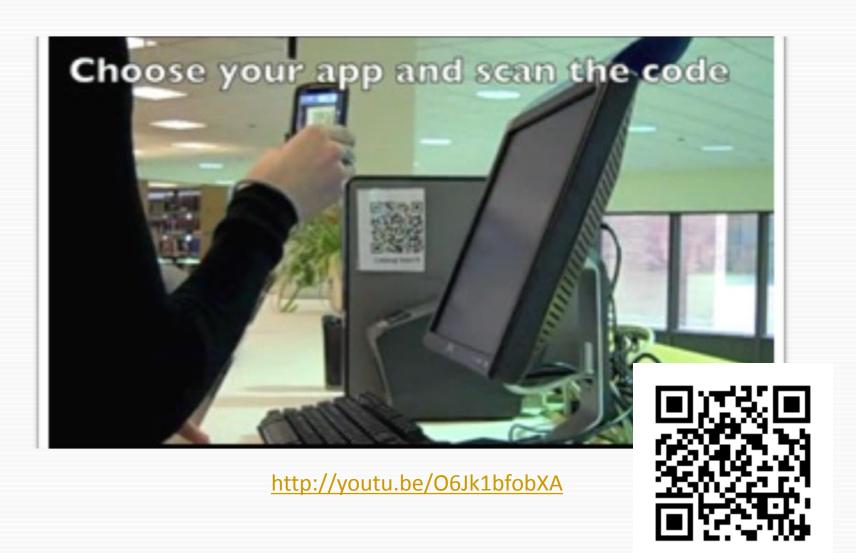
Created by Denso-Wave in 1994 http://en.wikipedia.org/wiki/QR Code

- Typically seen as white squares with black geometric shapes (also multi-color codes and logos)
- Information such as text, a URL or other data can be easily encoded using a QR Code generator
- Users point their device, scan, and are quickly taken to the encoded data



http://flic.kr/p/9b99Mk By Fabrice de Nola

QR CODES @ CLC WHAT ARE QR CODES - LIBRARY VIDEO



CODES TYPES











DataMatrix

Cool-Data-Matrix







Aztec



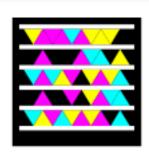
Trillcode

Quickmark

Shotcode

http://en.wikipedia.org/wiki/Mobile_tagging

An example of a High Capacity Color Barcode: a Microsoft Tag referring to the HCCB article on the English Wikipedia http://en.wikipedia.org/wiki/High Capacity Color Barcode



MOBILE BARCODE CATEGORIES

A - Open Barcode Provider

These companies use 2d barcode software that is public domain or easily licensable. Examples include QR Code and Datamatrix.

B - Proprietary Barcode Provider

These companies have created their own, closed code. Their barcodes can only be scanned by their own readers. Examples include Microsoft Tag and Shotcode

C - Reader

These companies provide a downloadable reader that enable mobile devices to scan information from one or more types of 2d barcode

D - Enabler

These companies create real-world solutions with barcodes. Examples include advertising campaigns, shopping solutions and paperless ticketing. This category also includes companies that let users easily create their own open barcodes to link to on-line content, like websites or social networks.

The vast majority of companies involved in mobile barcoding fall into the A C D category – ie. they use an open barcoding standard, provide their own mobile reading software, and create barcode solutions that connect the real-world to the mobile Web. http://www.gomonews.com/wp-content/uploads/2008/11/top-34-mobile-barcode.pdf



CUSTOM QR CODES











http://goo.gl/XzQFJ

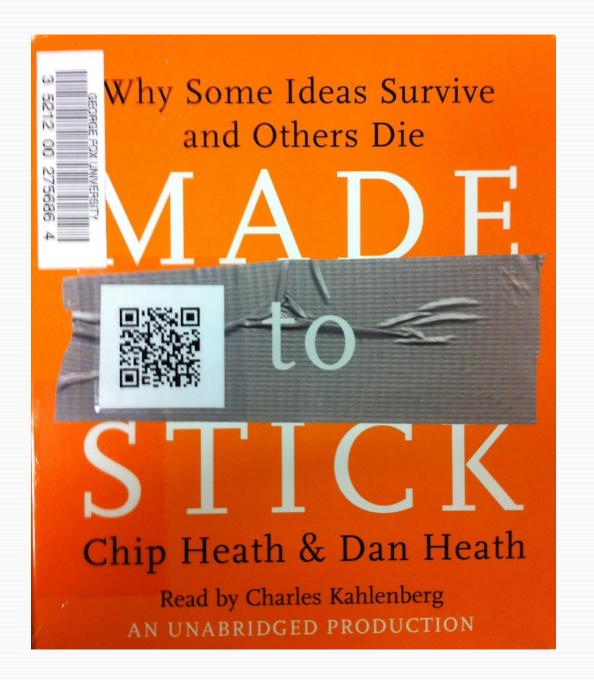
WHY

 Smartphone and mobile research shows exponential growth in mobile to continue

http://youtu.be/6mCkbrYKQyl

- Added value content
- Easy, low threshold tech
- a lot of bang for the buck
- Convenience





Fad, trend, practical?

Will QR codes mainstream in North America?

In the UK? Other parts of the globe?

How long will QR codes stick around?

Does it matter?

WHERE



Let's look at QR Codes in libraries...

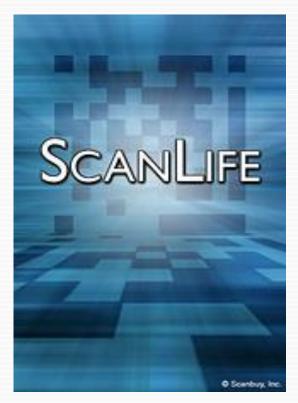
But first, do you have a QR or barcode reader app on your mobile device?

(if not, the next slide should help)

QR Code Reader Apps: Free (most), easy, quick







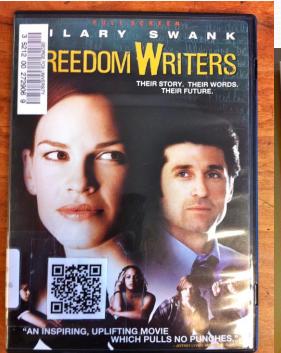


Note: In most cases any app will work, but there are exceptions – query your app store for QR or barcode reader - or text the word SCAN to 43588 for a ScanLife app (standard data rates apply)

EXAMPLES: QR CODES GFU LIBRARIES

Film trailers

SAZINE OF HISTORY



Art shows & exhibits

QR Code for Study Room Reservation Form

 Go to your smart phone app store and download a QR Reader.

Room reservations

- Open the QR Reader app and scan or take a picture of the code.
- Application will open the Study Room Request form for you to fill out.

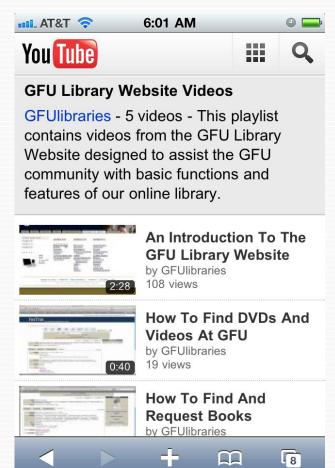
More on flickr:

http://goo.gl/89BCJ

Magazines & Journal areas

QR CODE TO LIBRARY TUTORIALS









The Library



UoB home: a-z | contact

earch

lome Subjects

ts Catalogue

ELIN Services

Your use of the Library

About us

Help

result 1 of 1 for search "ambient findability" in anywhere

Ambient findability

Morville, Peter. Publisher: O'Reilly, Publication date: c2005. ISBN: 0596007655

1 copy on the shelves.

Copy details

Shelf mark No. of copies Loan type Location

518.882 MOR 1 28 day loan Level 4 (see floorplan)

Catalogue record

ISBN: 0596007655 (pbk.):

Personal Author: Morville, Peter.

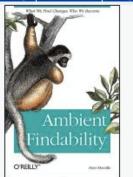
Title: Ambient findability / Peter Morville.

Publication info: Beijing; Farnham: O'Reilly, c2005.

Physical descrip: 188 p.; 24 cm.
Subject term: Database design.
Subject term: Database searching.

Subject term: Information and retrieval systems--Design.

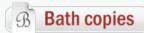
Bulletin heading: COMP Bulletin heading: GEN





Save

- Place Hold
- > Permalink for this result
- > Find more by this author
- Find more on these topics
- > Order online from BLACKWELL



Send me a scanned article/chapter from this item



What's this?

Online Catalogs

In this example the code resolves to text of the title, author, floor level and call no.

No writing necessary, info is on the users device and can be available for future reference

http://bit.ly/eiwPBs



PROMOTIONAL CARDS/POSTERS TO PROMOTE LIBRARY MOBILE WEBSITES

flickr: lukask's photostream http://goo.gl/6ICON

THIS IS A QR CODE



QR code for: Albertsons Library's mobile website http://library.boisestate.edu/m A QR (Quick Response) code can contain different types of information: a website link, a phone number, a photo gallery, map directions, a video link, and more.

Most web-enabled phones can scan QR codes via a scanner app.

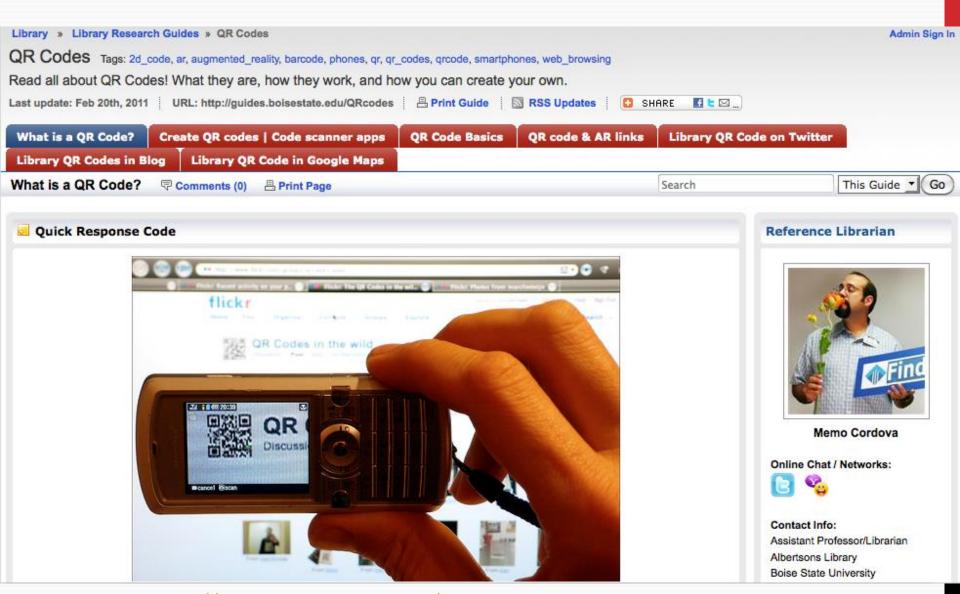
Download a free scanner app at: http://bit.ly/fJGqz9

Questions? Ask at the reference desk!

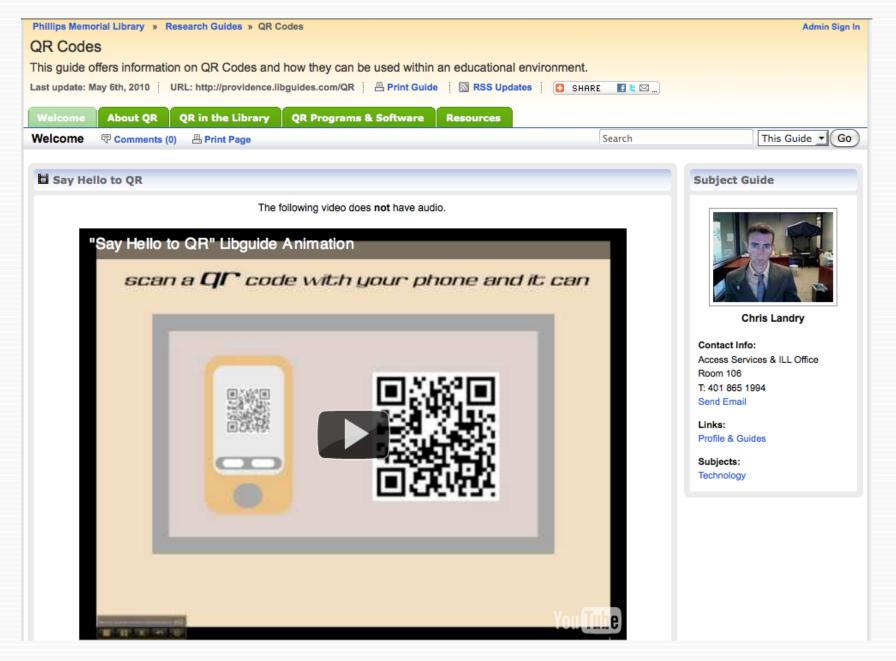
- → How do I scan a QR code?
- 1. Start the scanner application.
- Point the phone's camera to the QR code.
- The phone will read the code and display its information.



LIBRARIES EDUCATE



http://guides.boisestate.edu/content.php?pid=141622&sid=1207621



http://providence.libguides.com/content.php?pid=76255&sid=564750

Contact Information – Business Cards



⊘i∙nigma

Susan Enzenhofer

TEC-IT

Wagnerstrasse 6 4400 Steyr - Austria http://www.tec-it.com office@tec-it.com T +43 7252 72720 F +43 7252 72720-77



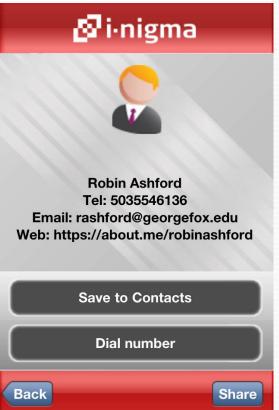
Create QR-Code Business Cards for Free

http://youtu.be/jJPBuWFEpel

Creating a Contact Code with ScanLife

http://youtu.be/TZdWnvCNZ9Q

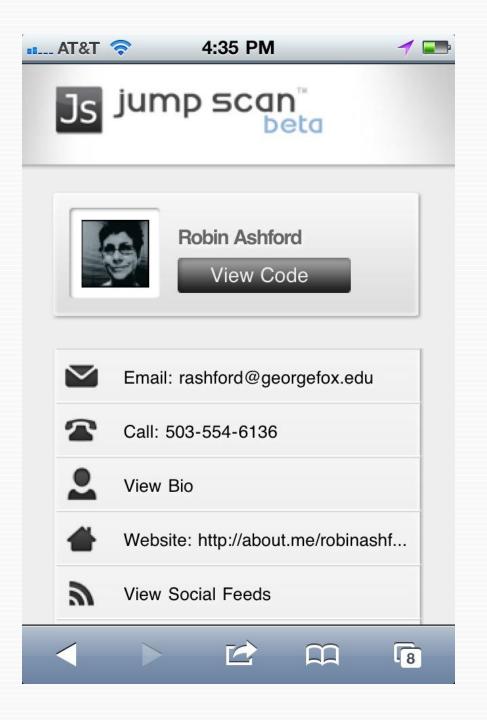




DIGITAL PROFILES



Jumpscan - All-In-One QR Code http://jumpscan.com/



HOW

Generate simple QR code – kaywa

http://qrcode.kaywa.com/

- Bit.ly url shortener add .qr http://bit.ly/
- Google url shortner add .qr http://goo.gl/
- Google Chrome QR code extension
- Bee-Tagg http://manager.beetagg.com/
- i-nigma

http://www.i-nigma.com/CreateBarcodes.html

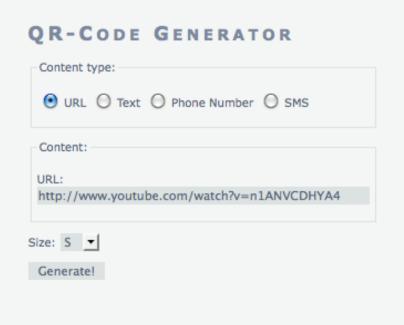
ScanLife http://web.scanlife.com/us_en/

Kaywa – simple QR code generator



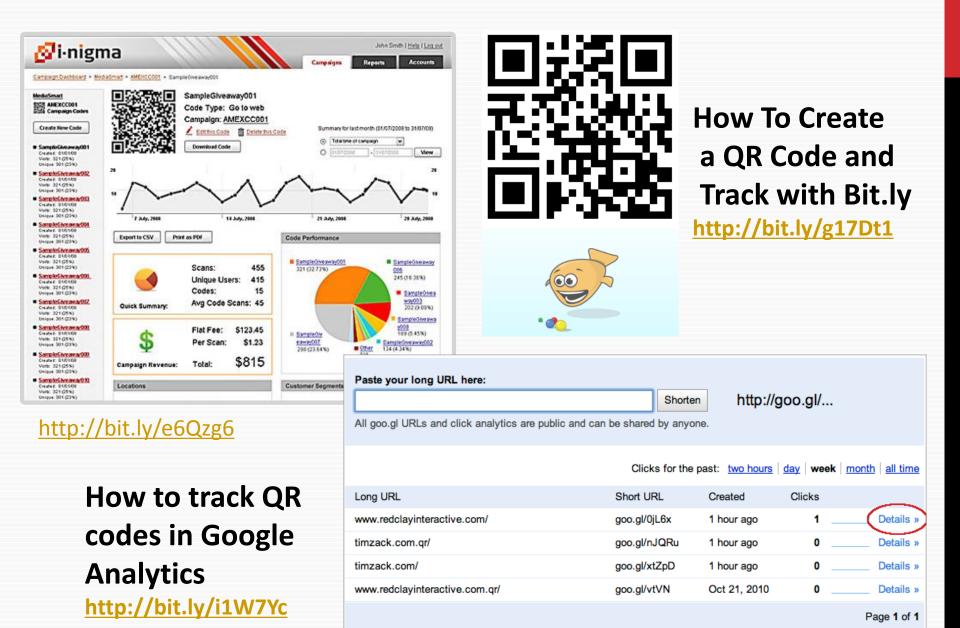






Version: 1.00 BETA | Non-Commercial Use Only

BATCH QR CODES & TRACKING/ANALYTICS



CODES CAN ALSO BE READ:

WITHOUT A SMART OR FEATURE PHONE

ON A PC/MAC
DESKTOP/NETBOOK/LAPTOP
COMPUTER WITH WEBCAM

OWN JUST A REGULAR CELL PHONE?





For a quick demo, take and send a picture of this

JAGTAG-powered QR code.

Verizon and AT&T customers text picture to 524824.

All other networks text or email picture to demo@jagtag.com.

Or, scan it with a QR code app.

"By using either QR Codes powered by JAGTAG or proprietary JAGTAGs, consumers can use any QR code application or MMS, Email or Twitter to receive Images, Video, and Opt Ins."

No Internet access is needed

http://www.jagtag.com/features/QR-codes

NO PHONE?



Overview

QuickMark for PC is a powerful, yet easy to use PC application that lets you decode multiple popular 2D & 1D barcode formats via a image file (drag & drop), a screen capture, or your webcam. Not only does QuickMark let you scan barcodes, it also allows

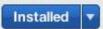
DOWNLOAD NOW

you to create your own 2D barcodes via a simple interface. Several useful user configurable options are also available, such as an output mode to use a webcam for automatic keyboard input. The Standard Edition is free and packs a bunch of features, download it now!

If you have previously used QuickMark for WebCam beta, you might be interested in checking out some of the following new features:

http://www.quickmark.cn/En/basic/downloadPC.asp





QuickMark

QuickMark is a barcode reader application that allows you to automatically scan and generate multiple barcode formats (Quick Code, QR Code, Data Matrix) with your Mac.

*** Special launch price for limited time ***

Main features:

- ☆ Scan 2D barcodes via webcam
- A Decode 2D barcodes you see on your screen with Transparent Mode
- ☆ Decode 2D barcodes from file or drag-and-drop
- ☆ Create your own 2D barcodes...

... More

(NOTE: QuickMark App for Mac available in Mac App Store for \$2.99)



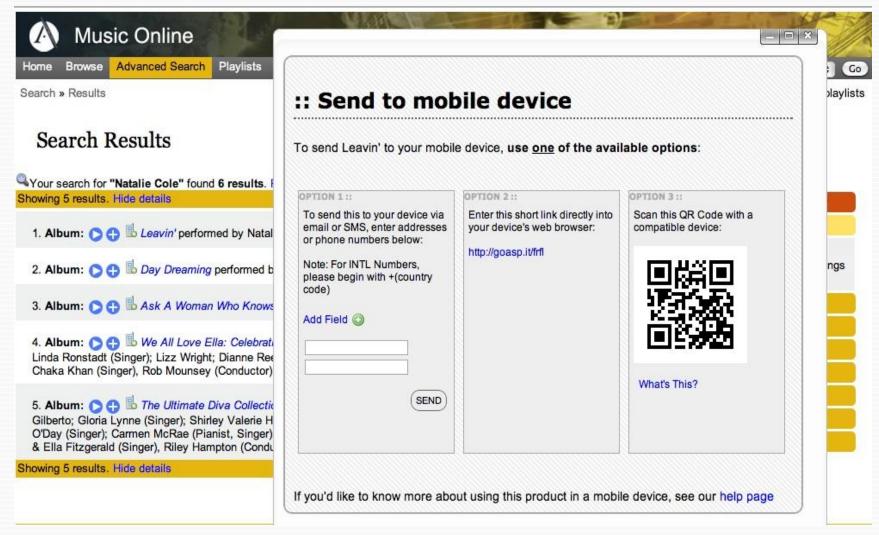
Where

Print handouts, online, physical objects...

Wherever it makes sense and adds value

more examples...

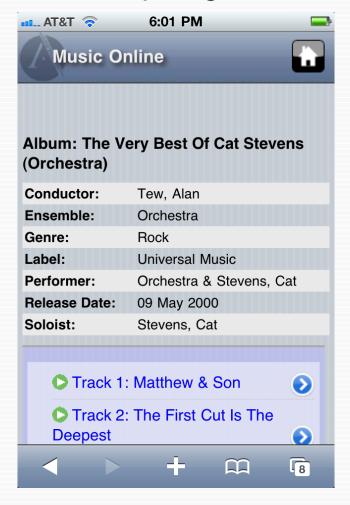
LIBRARY VENDORS & QR CODES: ALEXANDER STREET PRESS - MUSIC ONLINE



http://alexanderstreet.com/pressroom/releases/10.0715.mobile.htm

INNOVATIVE AND PRACTICAL

From subscription database on prior slide, scanned QR code resolves to playlist on mobile device – listen from anywhere for 48hrs. before expiring

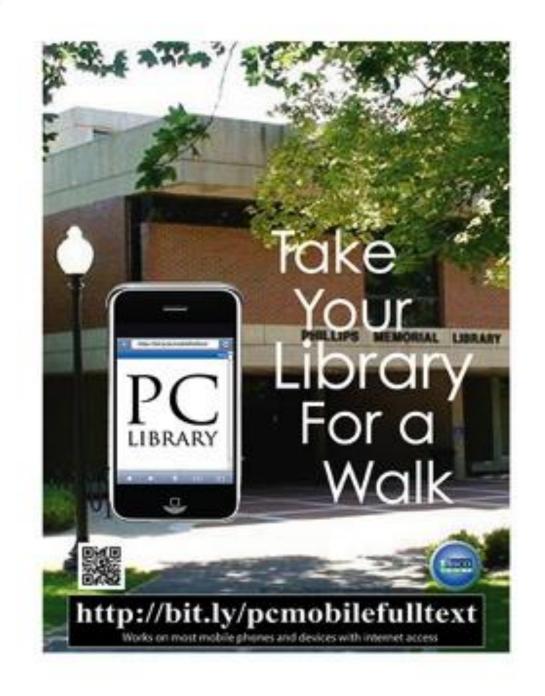




Ebsco mobile databases

Promotional poster for Ebsco Mobile services. The QR code sends scanners to Providence College's Ebsco Mobile database. Authentication is required to access the database.

By pclibrarycommons http://flic.kr/p/7xq6Ux

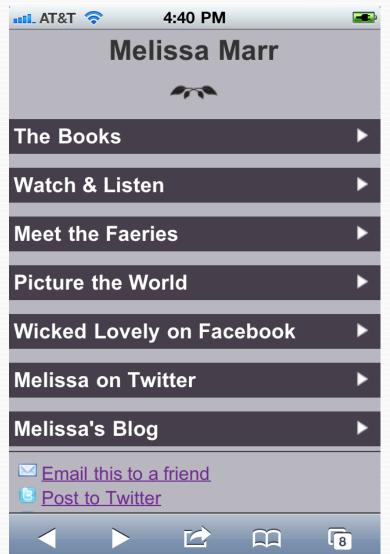


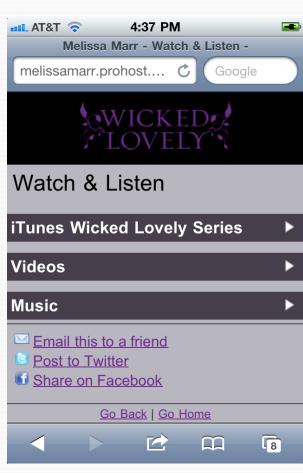
PUBLISHERS CONNECT WITH READERS



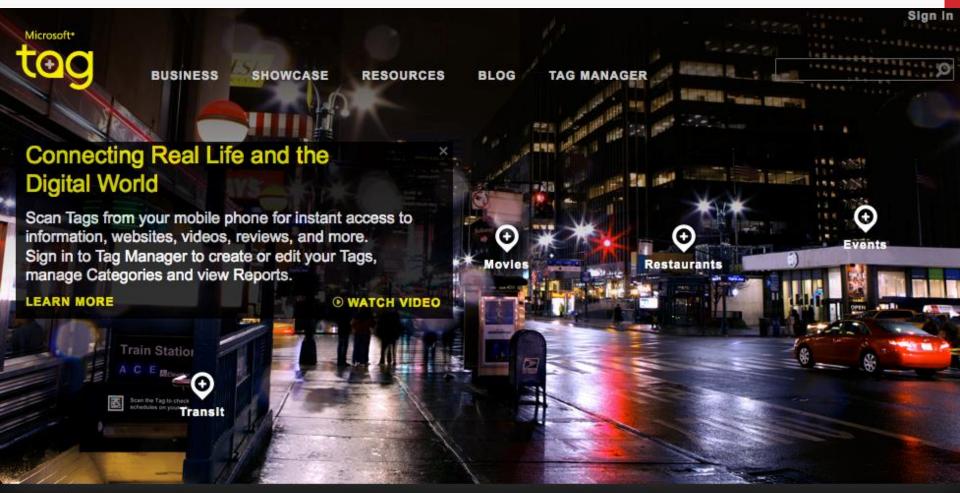
QM's bar codes can be customized, like this one for Melissa Marr's Wicked Lovely, from Harper's children's division

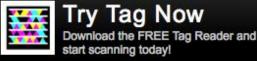
http://goo.gl/gFWiA





Proprietary Codes and readers – Microsoft Tag





Sign up for Tag News

Start receiving the latest product news and tips for using Tag in your marketing campaigns.

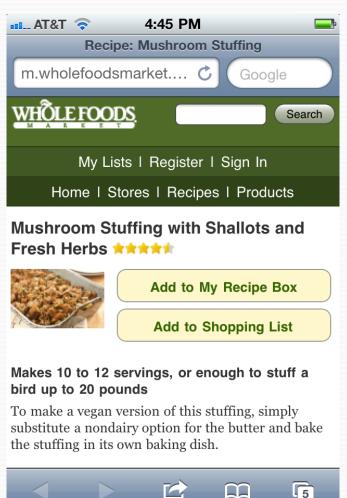
Tag for Business

Read PSFK's "Future of Mobile Tagging" to learn how Tag can enhance your business.

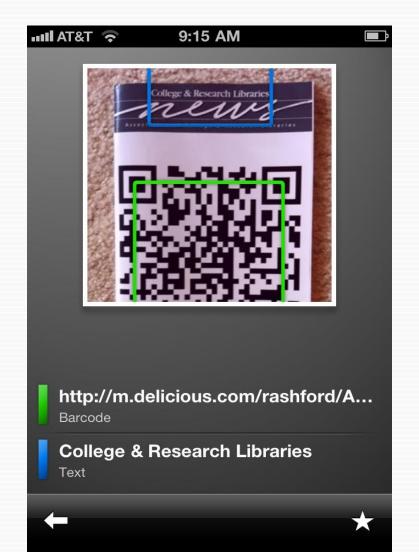
http://youtu.be/OuDTIDfAbWU

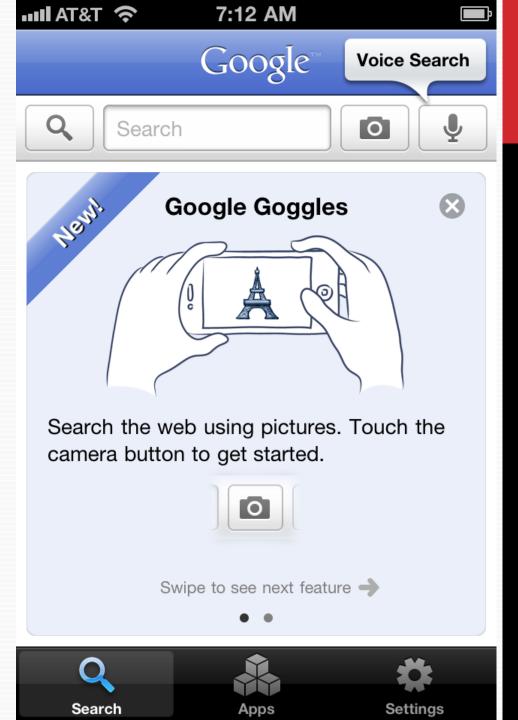
Ex: Microsoft Tag – Whole Foods Store, Portland, OR, USA

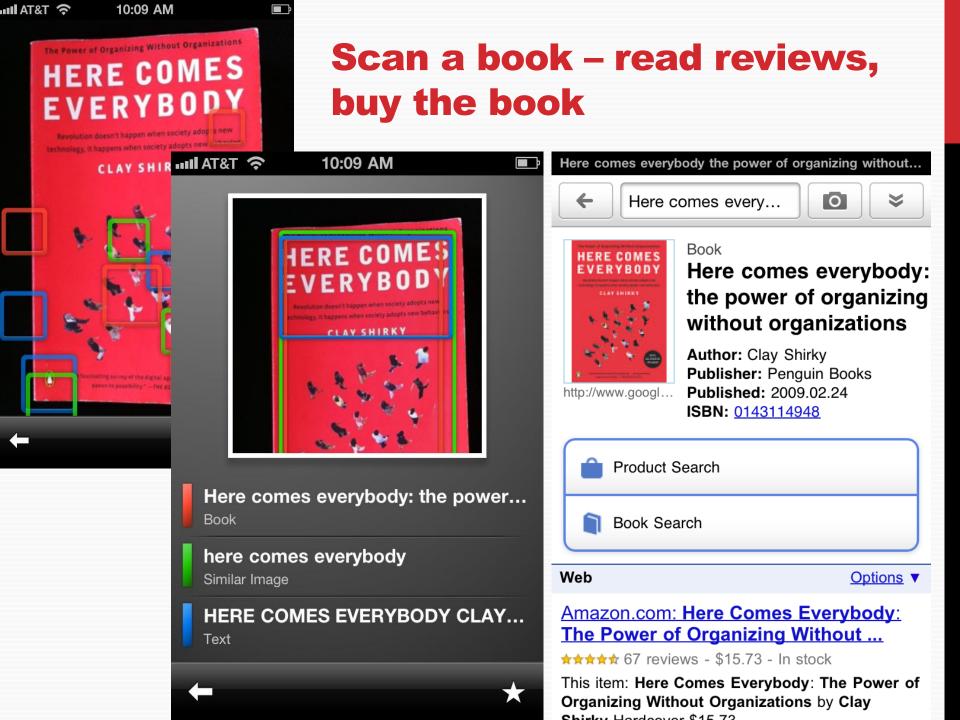




Visual Search: Google Goggles – recognizes objects & QR Codes



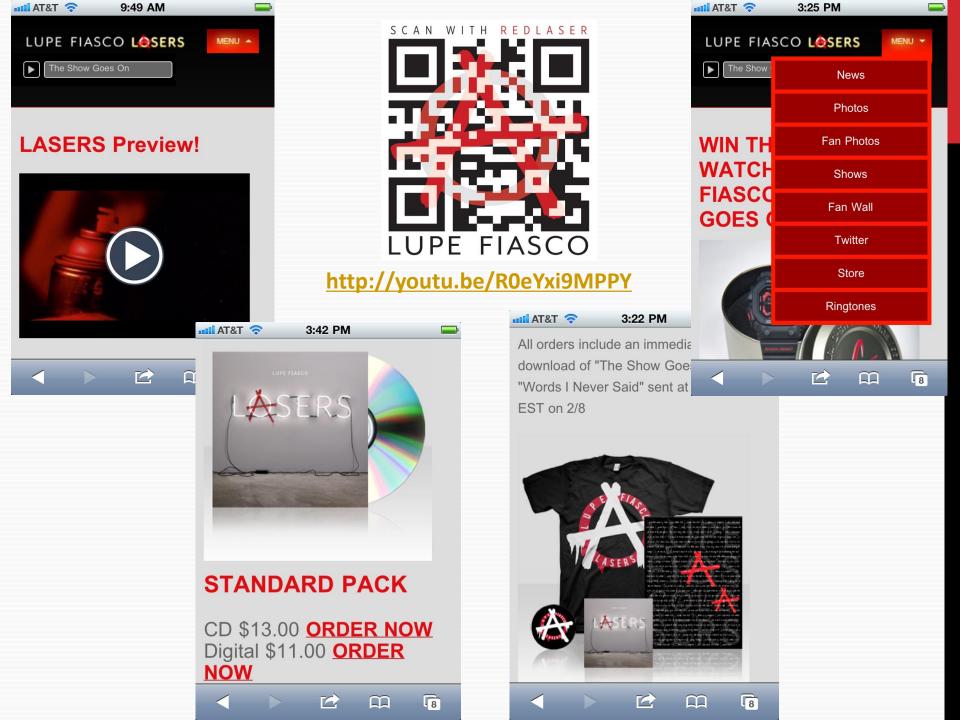




Creative Campaigns - successful QR code implementation

Thoughtful strategies, added value, Dynamic mobile sites, ease of use

we can learn from these...





STRATEGIZE

Campaign with an effective message

She took out her wallet and made a donation. Which paid for the drivers that drive the trucks that deliver the food to the soup kitchen in Harlem. It's easy to do what Stacy did — just visit cityharvest.org

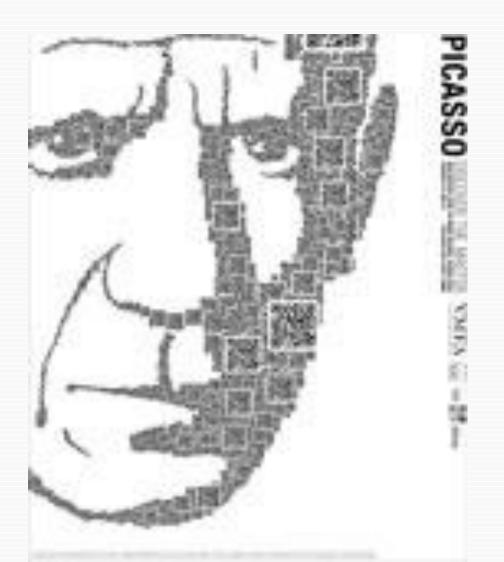
LEARN HOW YOU CAN HELP. Snop the code with your corners phone, or go to www.gstscaulte.com

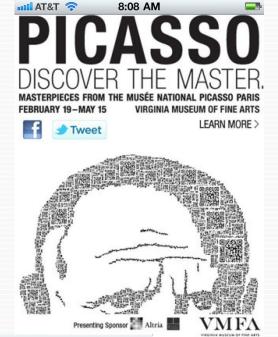


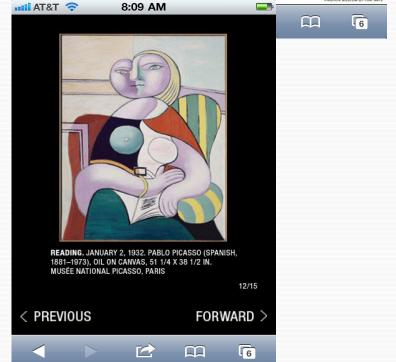


VIRGINIA MUSEUM OF FINE ART - PICASSO EXHIBIT

VMFA ANNOUNCEMENT: HTTP://GOO.GL/TDJE1







Museum Exhibit - QR and AR

"Ads sporting QR codes will soon go up in 33 Starbucks locations in Richmond. Go inside and you can see <u>augmented reality</u> visions of Picasso's art on the walls using a Layar (AR) browser. Fans in Philadelphia will also be able to see the exhibit via AR at an empty store space on South Street. (Below is a mock-up of how the Philadelphia exhibit is supposed to look.)"

http://mashable.com/2011/02/10/qr-codes-picasso/







QR CODE CHALLENGES

- Not everyone owns internet enabled device
- Lack of standards
- Websites not yet mobilized
- Poor implementation of QR codes
- Not the prettiest (barcode graffiti)
- Need for education and promotion
- Privacy issues
- Overuse

FUTURE EVOLUTION

66 NFC is perhaps best known for its role in enabling mobile payments, but its applications go far beyond that. 99

- Franco Bernabe, GSMA

Augmented Reality – could leap frog QR Codes

NFC (Near Field Communication) could change everything – Google Places – Portland, OR, USA - Test City No. 1 http://goo.gl/uvaqz

"This is not your ordinary sticker"

http://bit.ly/eGI46K





THANK YOU!

http://about.me/robinashford

