

<http://lib.ugent.be/m>

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Ghent University Library

Autumn School m-library & e-books – Oct 25 2010

- °1817
- + 30.000 students

University Libraries Ghent

- University library (booktower)
- 9 faculty libraries
- + 200 department libraries



2 system librarians / E-resources manager

- ILS: Aleph
- Link resolver: SFX
- ERM: Verde

3 system administrators / Developers

- Content management
- Institutional Repository
- Front End Discovery engine
- Digital Preservation

Part I - The Numbers

*“Mobile phones will overtake PCs as the most common Web access devices worldwide by **2013** ... the combined installed base of smartphones and browser-equipped enhanced phones will surpass 1.82 billion units by 2013, eclipsing the total of 1.78 billion PCs by then.”*

(Gartner, 2010)

Mother of All Markets

The New York Times

The Executive Computer; 'Mother of All Markets' or a 'Pipe Dream Driven by Greed'?

By Peter H. Lewis
Published July 19, 1992

1992

BURLINGAME, Calif.— Sometime around the middle of this decade no one is sure exactly when -- executives on the go will begin carrying pocket-sized digital communicating devices. And although nobody is exactly sure what features these personal information gizmos will have, what they will cost, what they will look like or what they will be called, hundreds of computer industry officials and investors at the Mobile '92 conference here last week agreed that the devices could become the foundation of the next great fortunes to be made in the personal computer business.

"We are writing Chapter 2 of the history of personal computers," said Nobuo Mii, vice president and general manager of the International Business Machines Corporation's entry systems division.

How rich is this lode? At one end of the spectrum is John Sculley, the chief executive of Apple Computer Inc., who says these personal communicators could be "the mother of all markets."

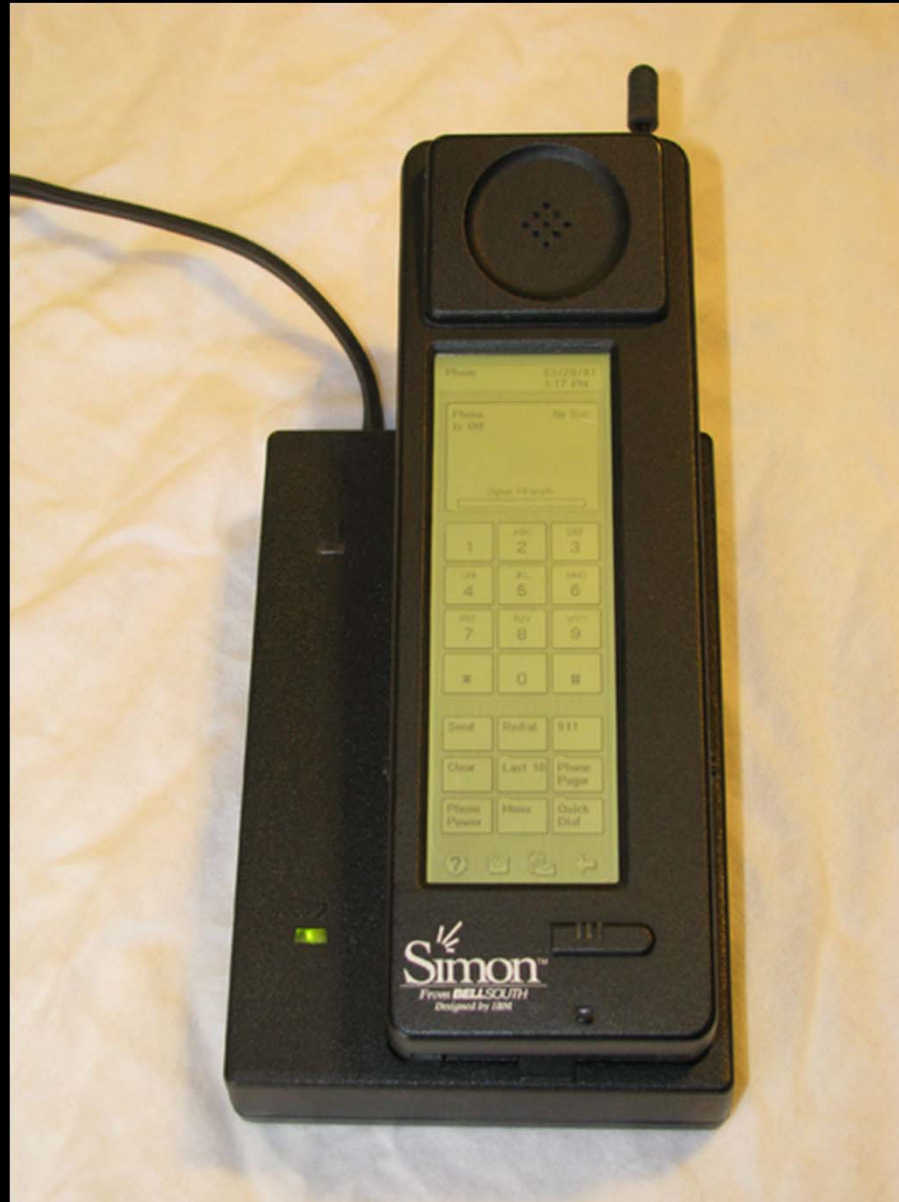
 SIGN IN TO E-MAIL

 PRINT

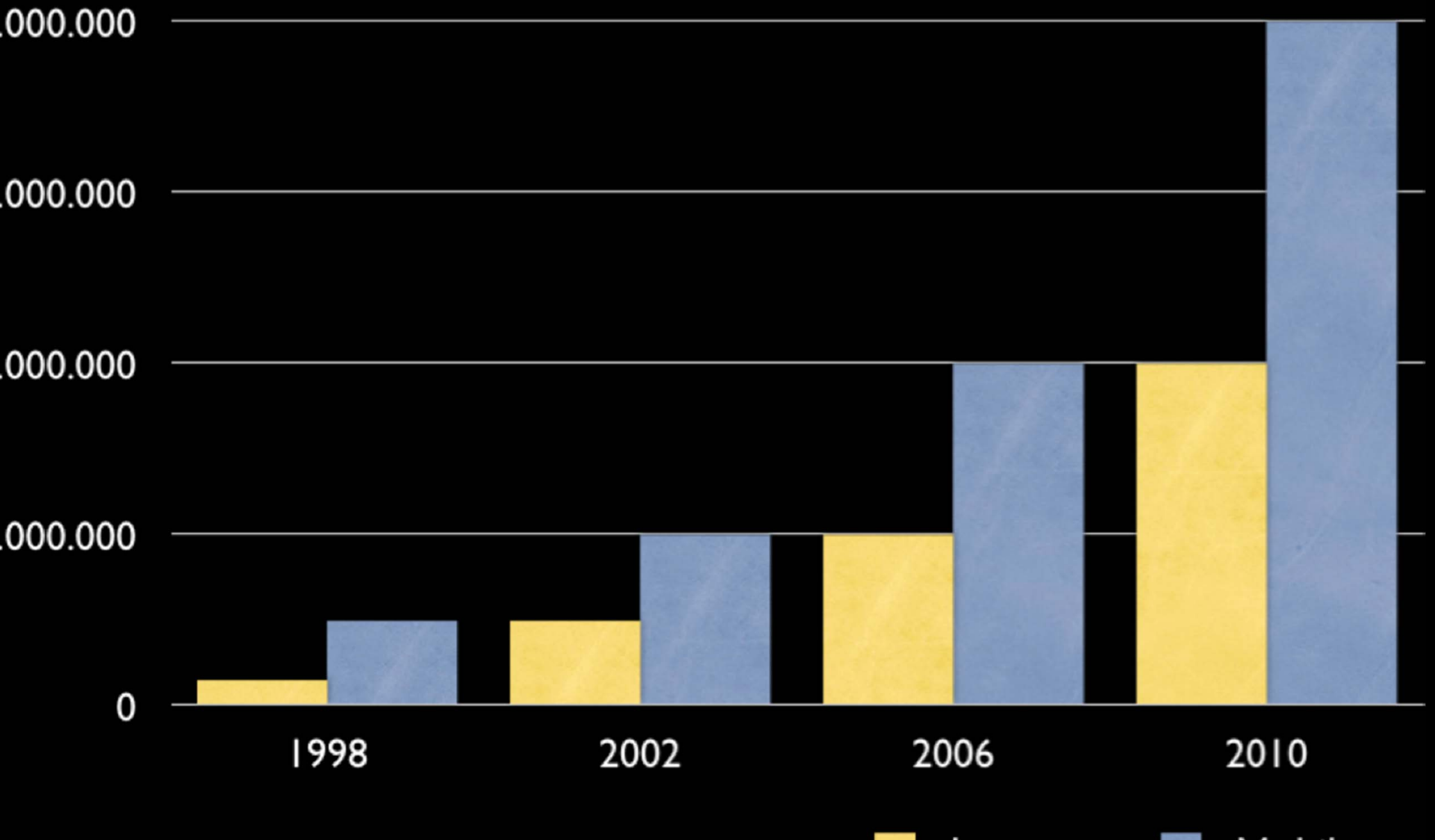
 SINGLE-PAGE



Simon (1992)



Exponential Growth



Ruge Market

- Mobiles > Cars + PC's + TV's combined
- Revenue SMS > Hollywood
 - Box Office + DVD Sales + Music Industry + Video Games
- Smart Phones, Kindle, Tablet, MP3, Car Electronics, Mobile Video, Wireless Home Appliances, Smart Fabrics

Increasing capabilities



1998
PDA



2002
Camera
Games



2006
Email
Music



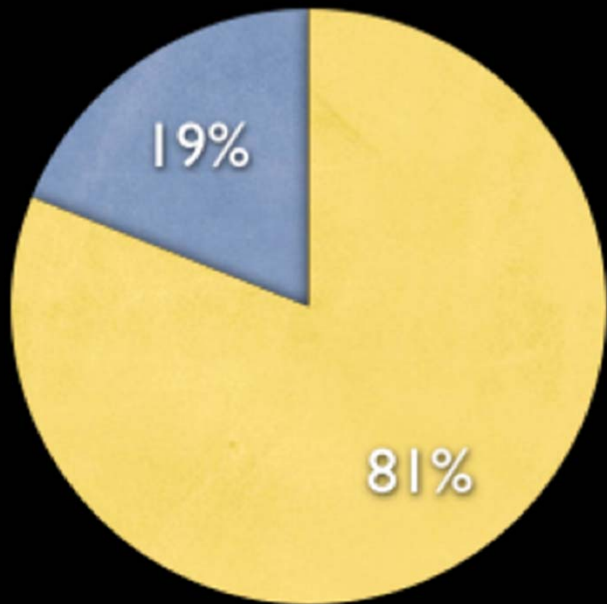
2007
Video
Web
GPS



2010+?
Tablet
Television
3D Touch

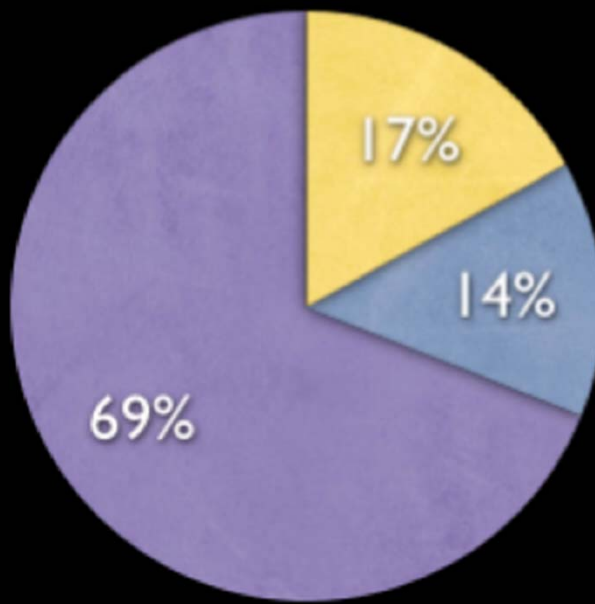
2010 worldwide statistics

● Cell Phones
● Smart Phones



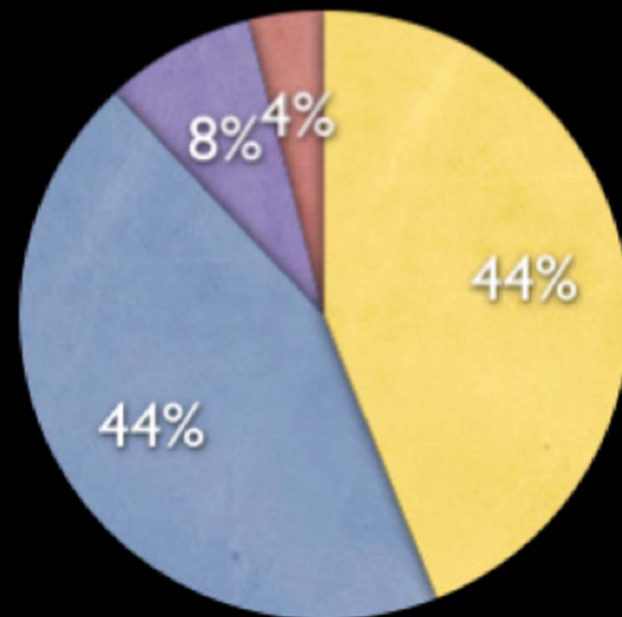
2010 Q2 worldwide mobile sales
19% of mobile market = smart
phones

● Android
● iPhone
● Rest



2010 Q2 smart phone market
31% of smart phones =
Android or iPhone

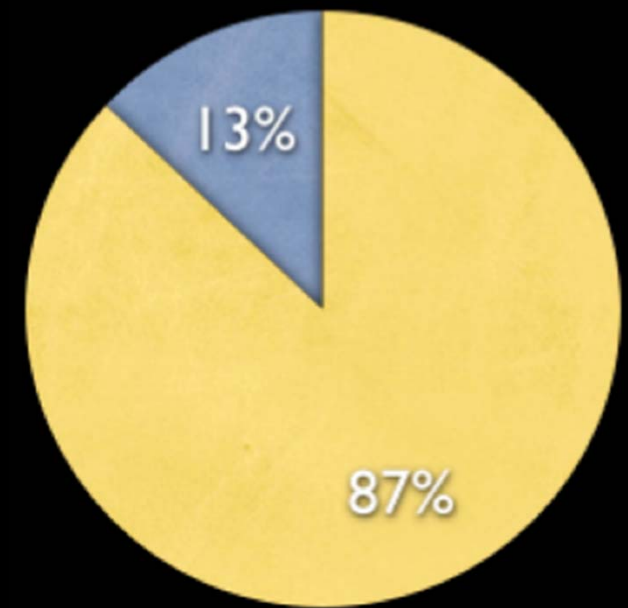
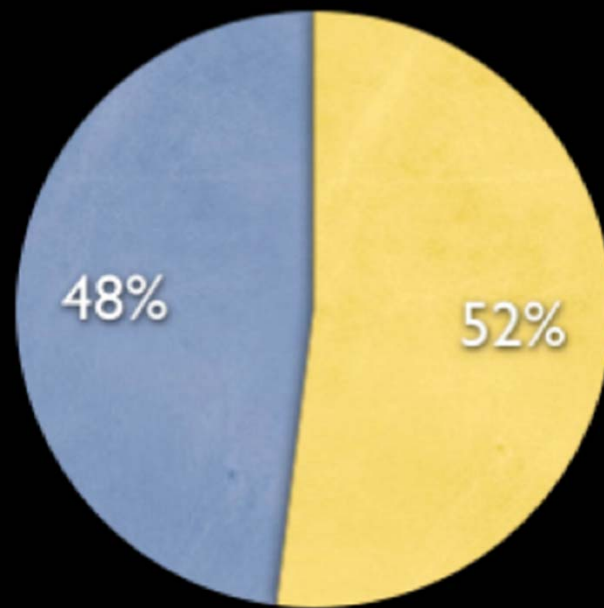
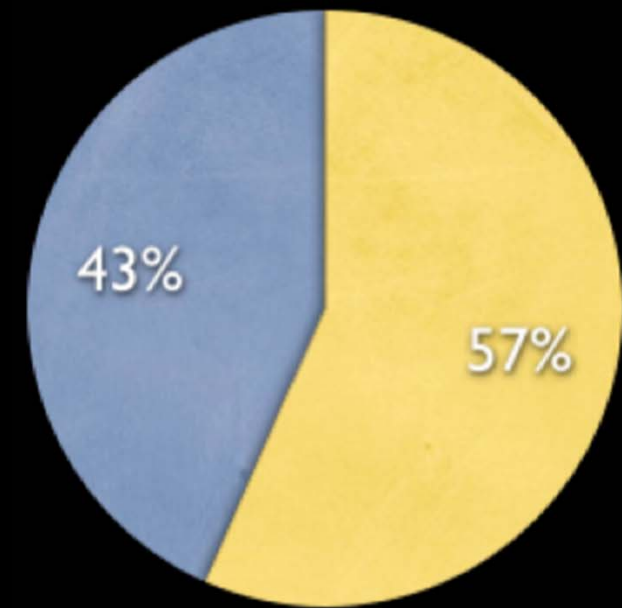
● Android ● iPhone
● BlackBerry ● Rest



2010 web statistics
88% Android or iPhone

University statistics

UC Davis 2009 TU Delft 2010 UGent 2010

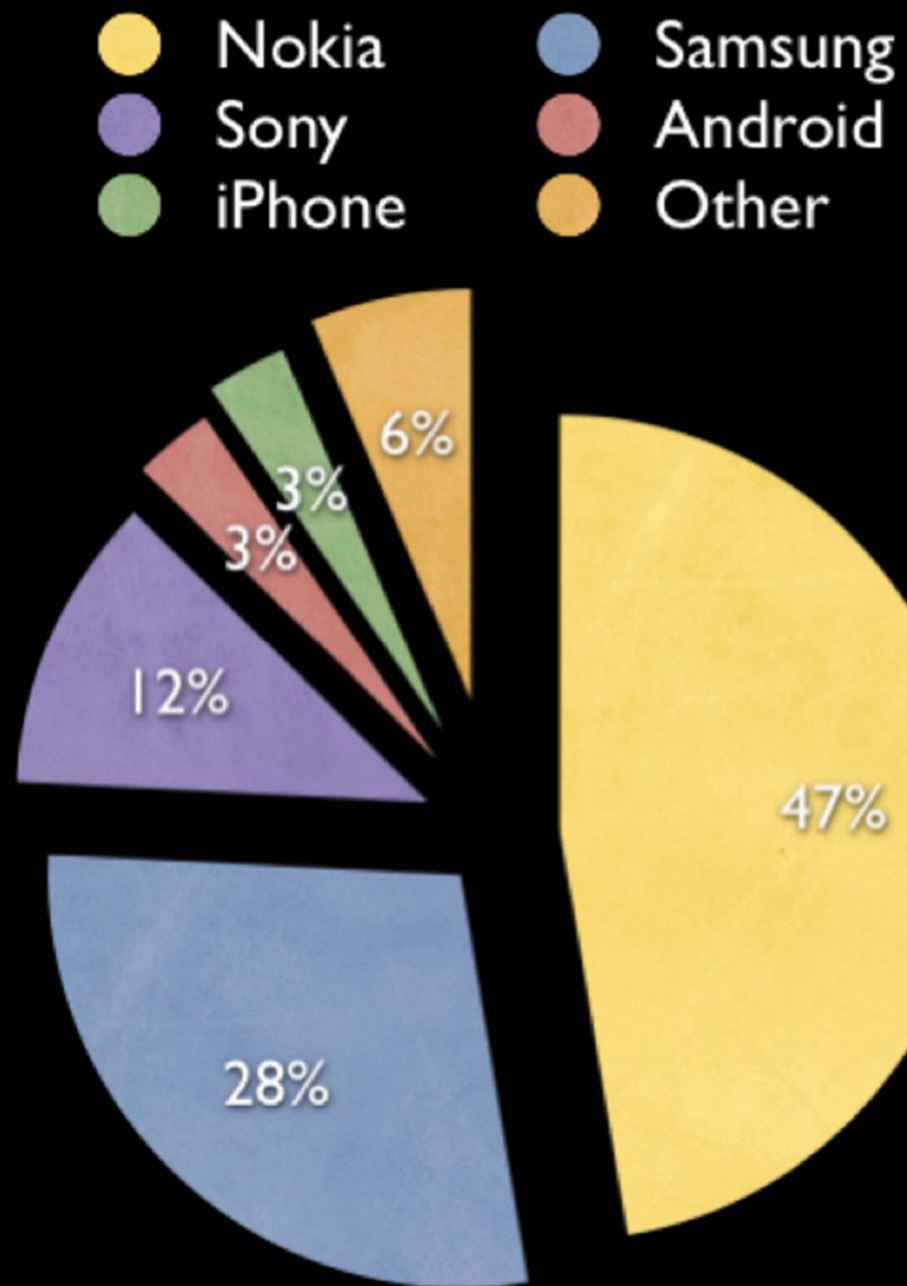


● Mobile Voice
● Mobile Data

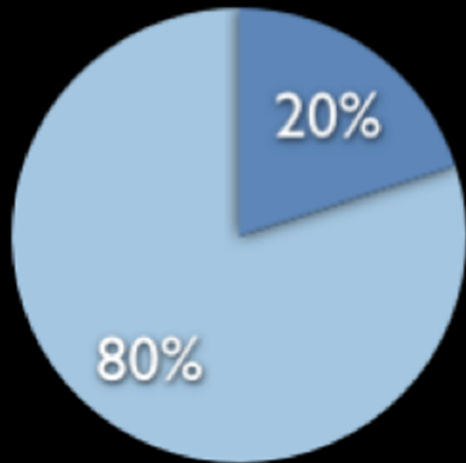
43% surf the web
- 88% read email
- 90% websites
- 72% read books/articles

13% surf the web
- 55% read email
- 65% websites
- 35% read books/articles

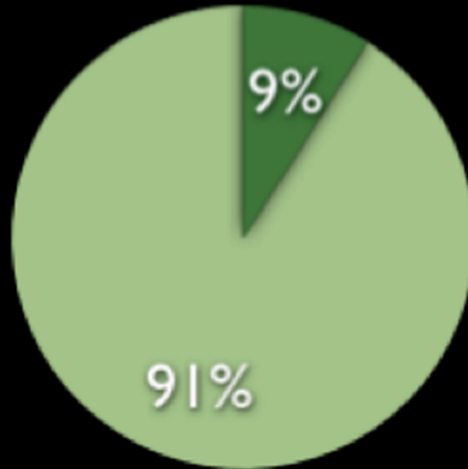
Mobile Platforms



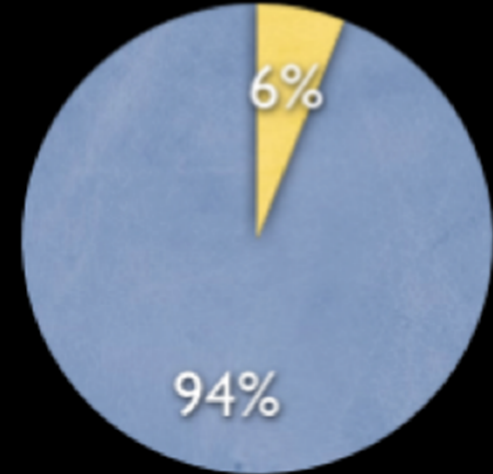
Internet Stats



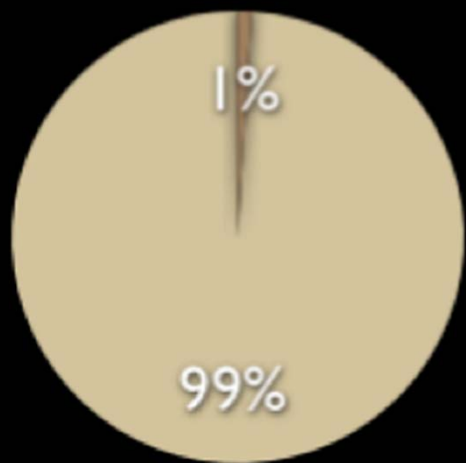
Facebook



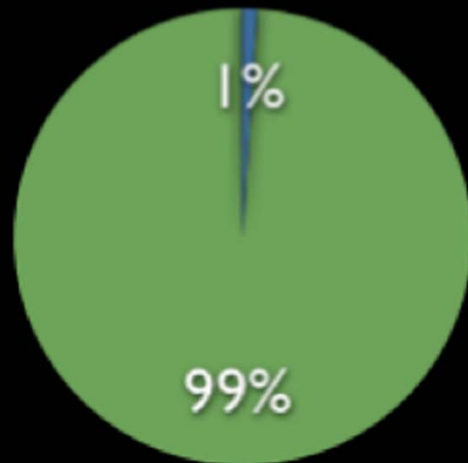
Google



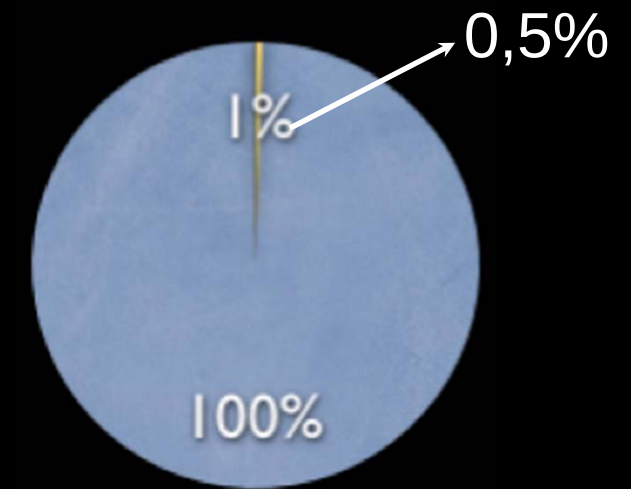
Twitter



WorldCat



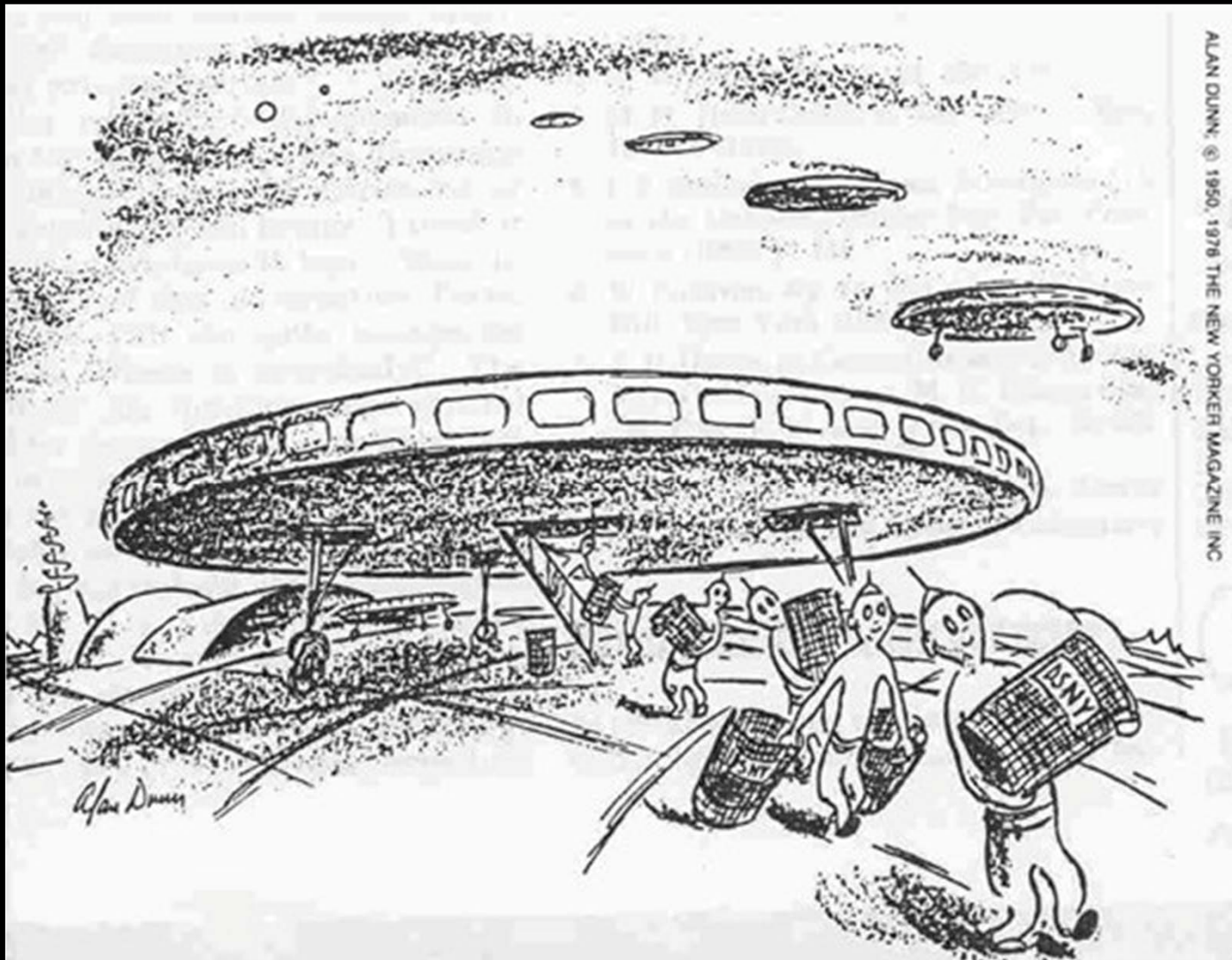
EBSCO



UGent

Where are they?

Enrico Fermi - 1950



Part II – Implementation

The Web Is Dead. Long Live the Internet.

(Chris Anderson and Michael Wolff, 2010)

mobile options

'dumbed down' version of website

HTML5/CSS3 website

native app

2009 Prototype 1

- WebApp
- No JavaScript
- Simplified CSS
- 480 x 320
- Fast & Easy prototyping (2 days to set it up)

2009 Prototype 1



2009 Prototype 1

BASE E 11:48 91%

Schopenhauer : proeve van een psychoanalyse van de filosoof / Hitschmann, Eduard; vert. Elly Schippers.

<<Terug naar resultaten
<Vorige Volgende>

Orig. Title: Schopenhauer: Versuch einer Psychoanalyse des Philosophers;
Other Title: Schopenhauer: ein Versuch einer Psychoanalyse des Philosophen;
ISBN: 9060098706;
Author: Hitschmann, Eduard ;
Author: Schippers, Elly
Publisher: Meppel : B., 1989.;
Description: 112
Series: Psychosomatische cahiers ;
Location: Request BIB.N.052376 ;
Location: Request PPW.15D.0046 ;

(c) 2009 University Library Gent

Navigation icons: back, forward, home, search, tabs (3)

BASE E 11:54 90%

search.ugent.be:8000/... Google

Request item from library

Name:
Patrick Hochstenbach

E-mail or GSM number:
1234567890

UGent ID:
12132543764

Choose one action:
☒ I want to borrow this work (if possible)
☐ I want to read this work in the library

Choose a library or item:
BIB.N.052376
Send

(c) 2010 Universiteitsbibliotheek Gent,

Navigation icons: back, forward, home, search, tabs (3)

2009 Results

- Mobile web = absolute developer fun!
- Issues in 2009:
 - Mobile Web != Desktop Web (maybe this will change?)
 - Still a bit Wild West: new practices, quirks and workarounds
 - Touchscreen input sometimes difficult
 - What about: GPS, telephone, tilt/touch sensors & other device features? Will HTML5 keep up with hardware development?

Mobile features

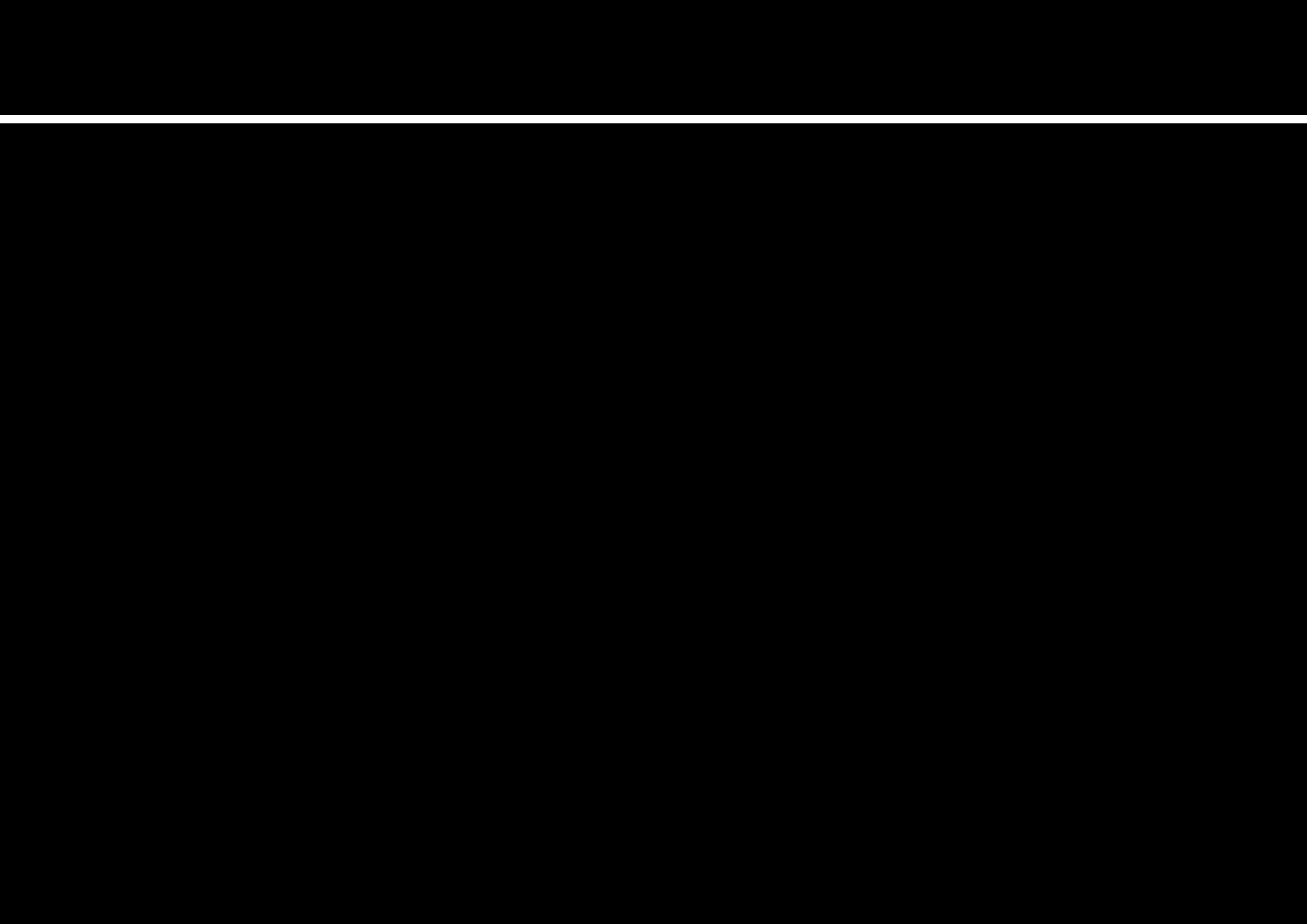
Access everywhere / anytime

Location awareness

Context awareness

010 Prototype 2

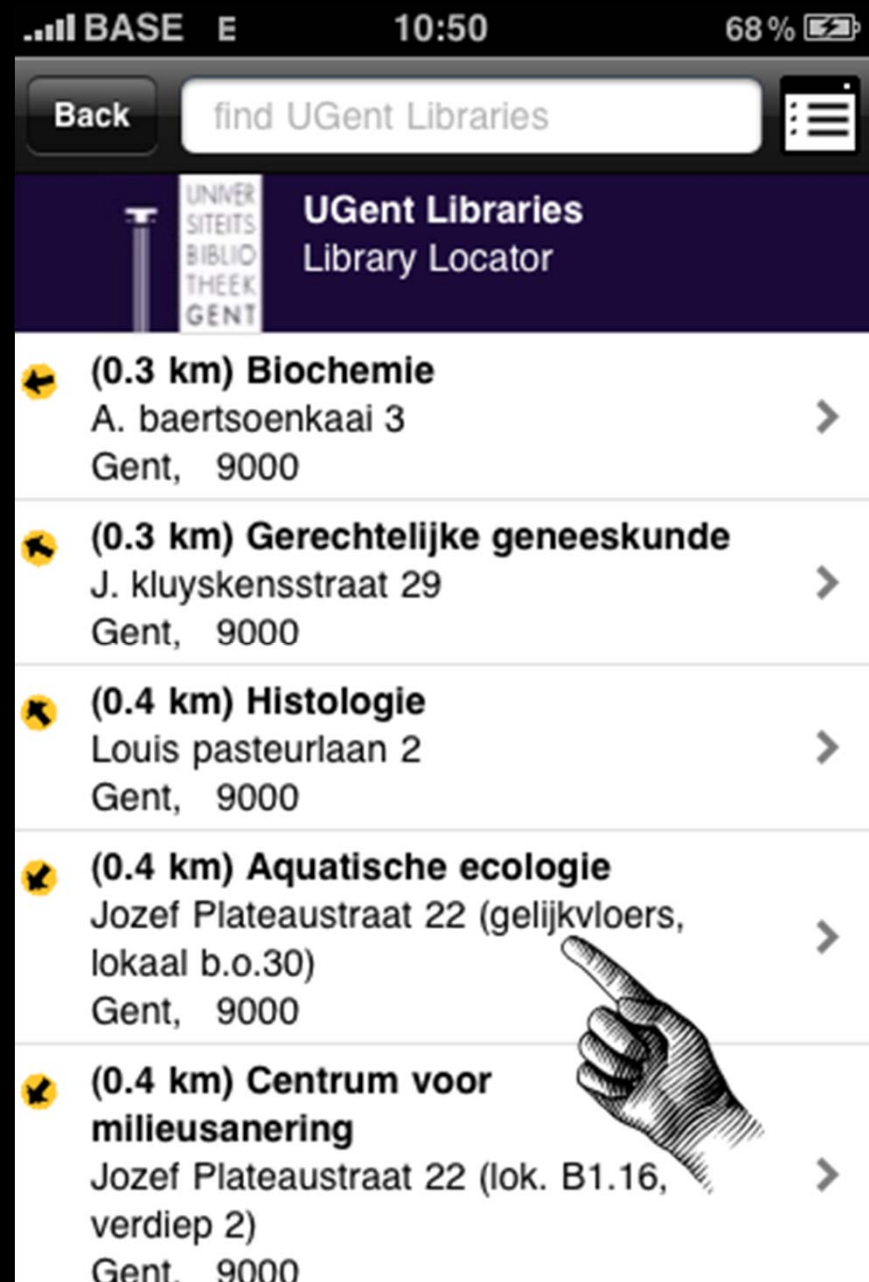
- <http://www.boopsie.com>
- Hybrid Application: Native + HTML code
- iPhone, Android, BlackBerry, WinMobile, ...
- MARC Dumps/Z39.50
- Aleph 500 integration
- Word/Excel to define menu's



Main menu...



GPS-powered search...



GPS-powered search...

BASE E 10:50 68%

Locations

Aquatische ecol...



UGent Libraries
Library Locator

Aquatische ecologie

Address (click for map)

Jozef Plateaustraat 22 (gelijkvloers, lokaal
b.o.30)
Gent, 9000

Phone (click to call)

09/264.37.65

Email (click to send)

A90@mail.lib.ugent.be

Hours

Sun X

Mon 09.00-12.00

14.00-16.30

Tue 09.00-12.00

14.00-16.30

Wed 09.00-12.00

14.00-16.30

Thu 09.00-12.00

14.00-16.30



BASE E 10:50 69%

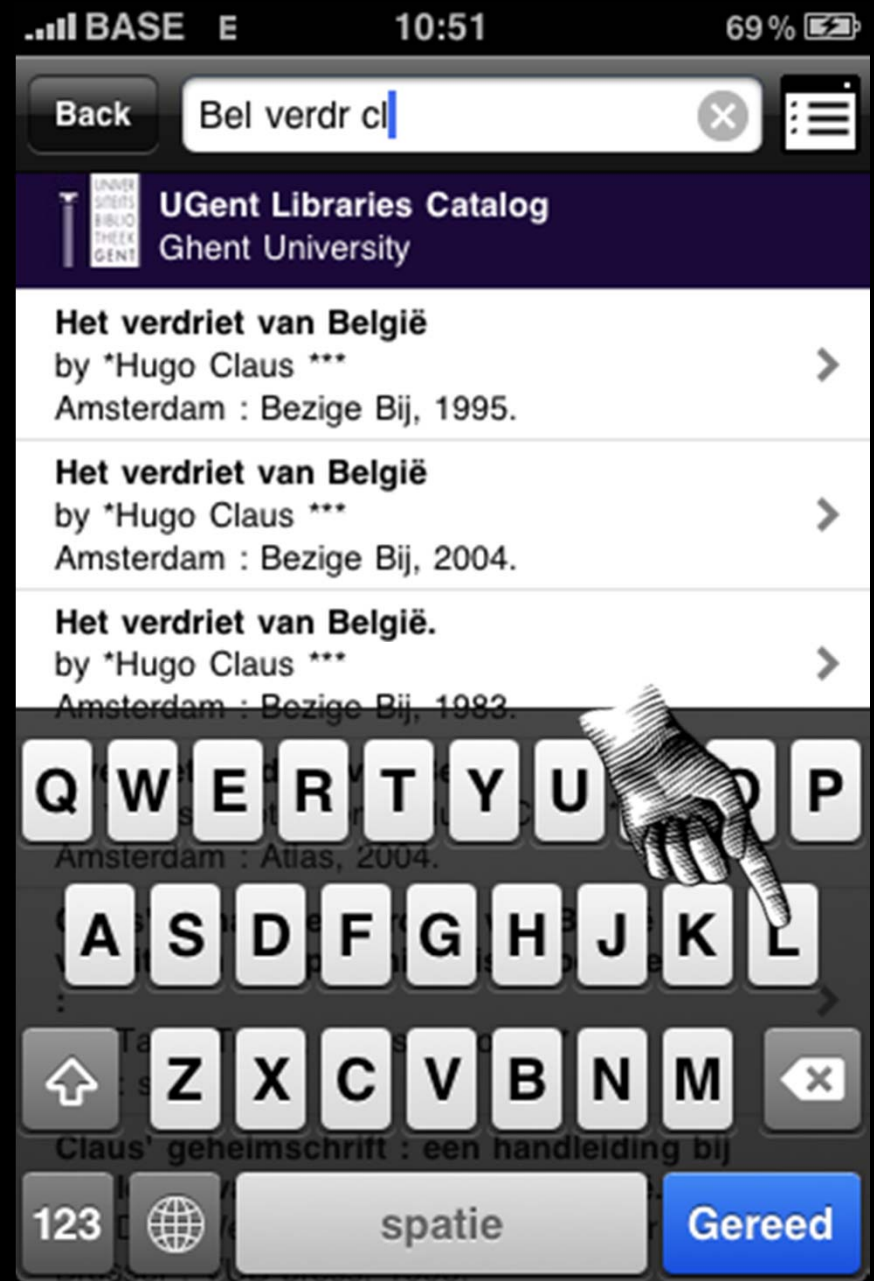
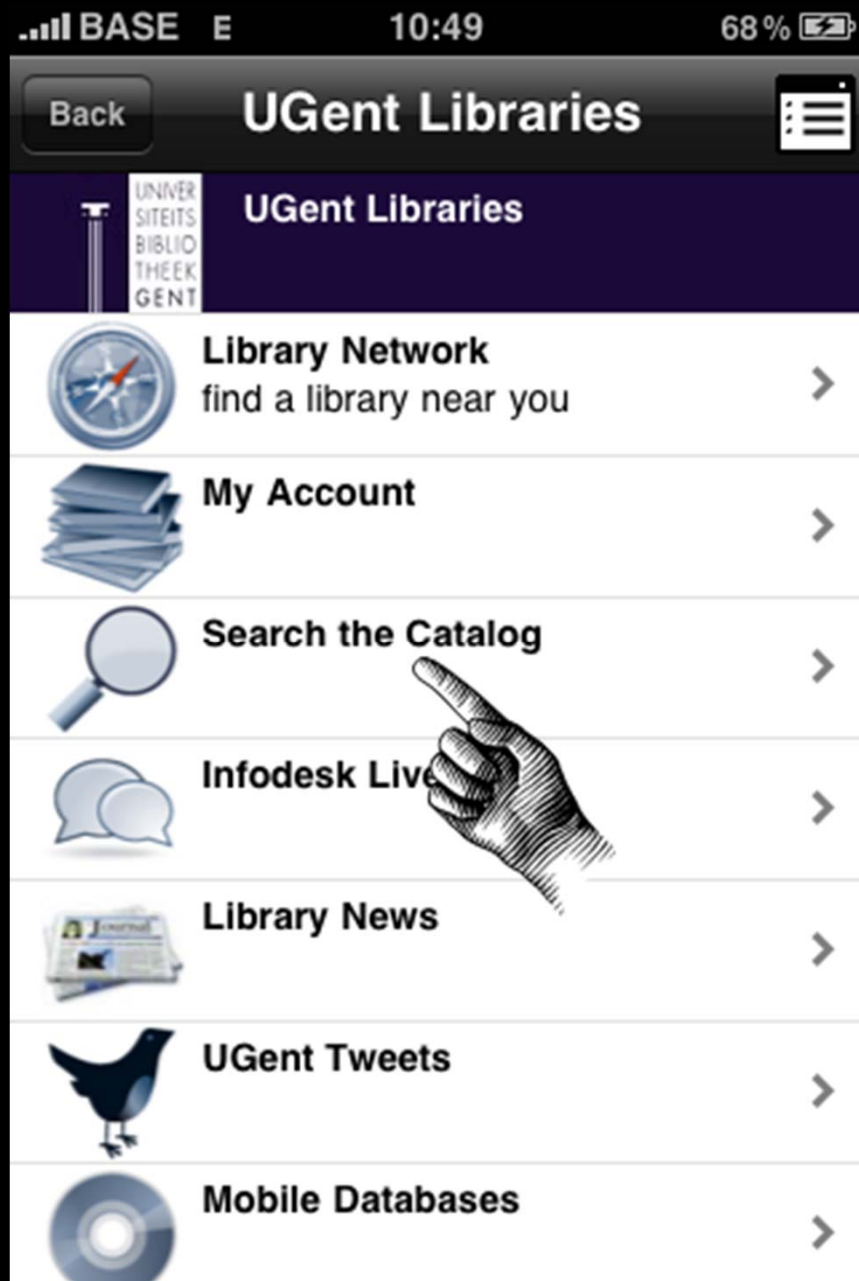


Done



Incremental search...

SMS like search show results while you
type...



brief and long views...

BASE E 10:51 69%

Back

Bel verdr cl



UGent Libraries Catalog
Ghent University

Het verdriet van België

by *Hugo Claus ***
Amsterdam : Bezige B., 1995.



Het verdriet van België

by *Hugo Claus ***
Amsterdam : Bezige Bij, 1983.



Het verdriet van België.

by *Hugo Claus ***
Amsterdam : Bezige Bij, 1983.



Over Het verdriet van België

by *Cees Nooteboom; *Hugo Claus **
Amsterdam : Atlas, 2004.



**Claus' roman Het verdriet van België
vanuit een receptie-historisch perspectief**

:
by *Tania Trogh; *Yves T'Sjoen **
S.l. : s.n.



**Claus' geheimschrift : een handleiding bij
het lezen van Het verdriet van België.**

by *Dina Weisgerber; *Jean Weisgerber **
Brussel : VUB press. 1995.



BASE E 10:51 69%

Holdings

<type here>



Detail Record
(Item 000529288)

Het verdriet van België / Hugo Claus.

author

Claus, Hugo

Universiteitsbibliotheek - boekentoren
BIB.N.027444



published

Amsterdam : Bezige Bij, 1995.

description

774 p.

Request Item

(click for request form)



Hold request...

BASE E 10:52 69%

Back

Request item from library

Name:

E-mail or GSM number:

UGent ID:

Choose one action:

☒ I want to borrow this work (if possible)
☐ I want to read this work in the library

Choose a library or item:
BIB.N.027444

(c) 2010 Universiteitsbibliotheek Gent,

Here we reused an in-house developed web application...

Boopsie supports ALEPH hold requests

RSS Feeds...

BASE E 10:49 68%

[Back](#) **UGent Libraries** 

 **UGent Libraries**

-  **Library Network**
find a library near you >
-  **My Account** >
-  **Search the Catalog** >
-  **Infodesk Live Chat** >
-  **Library News** >
-  **UGent Tweets** >
-  **Mobile Databases** >



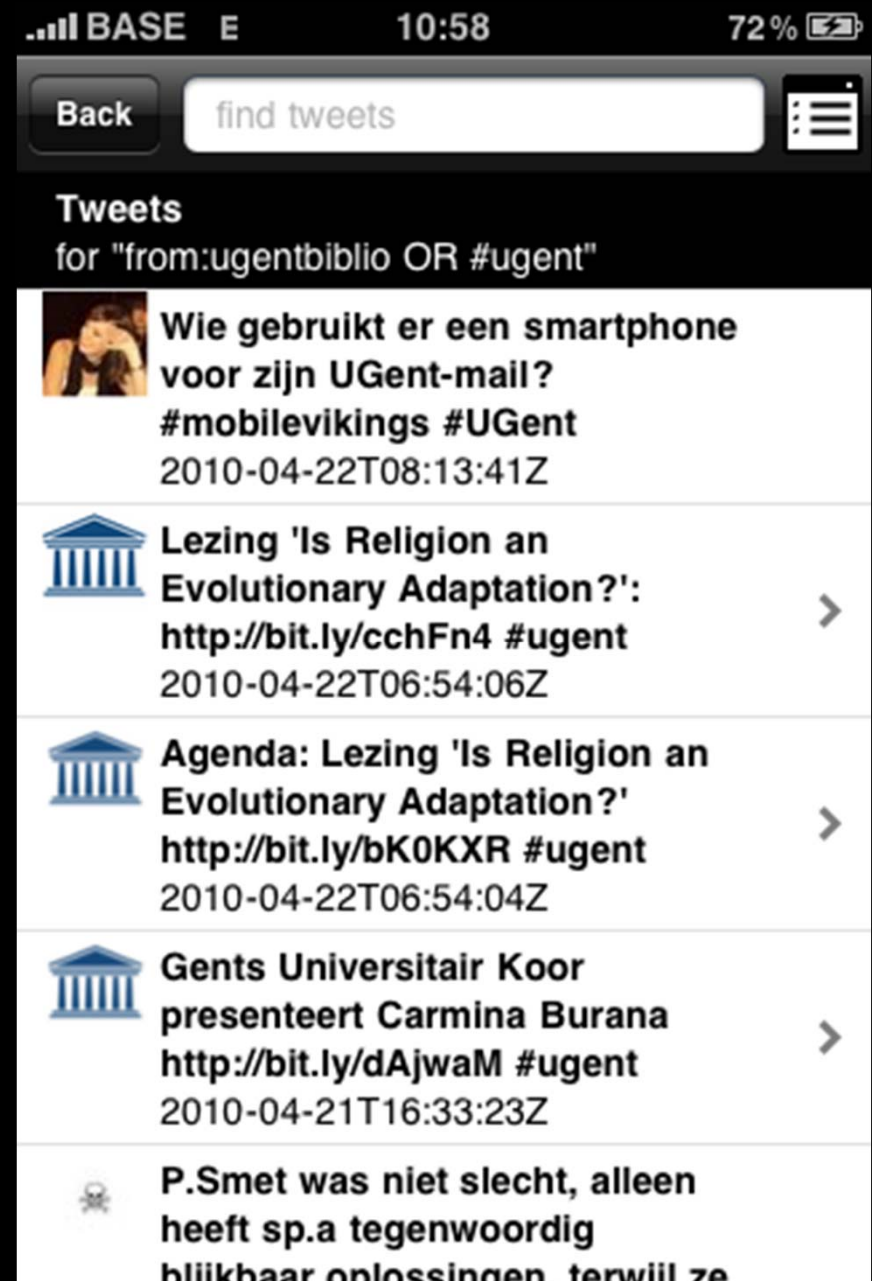
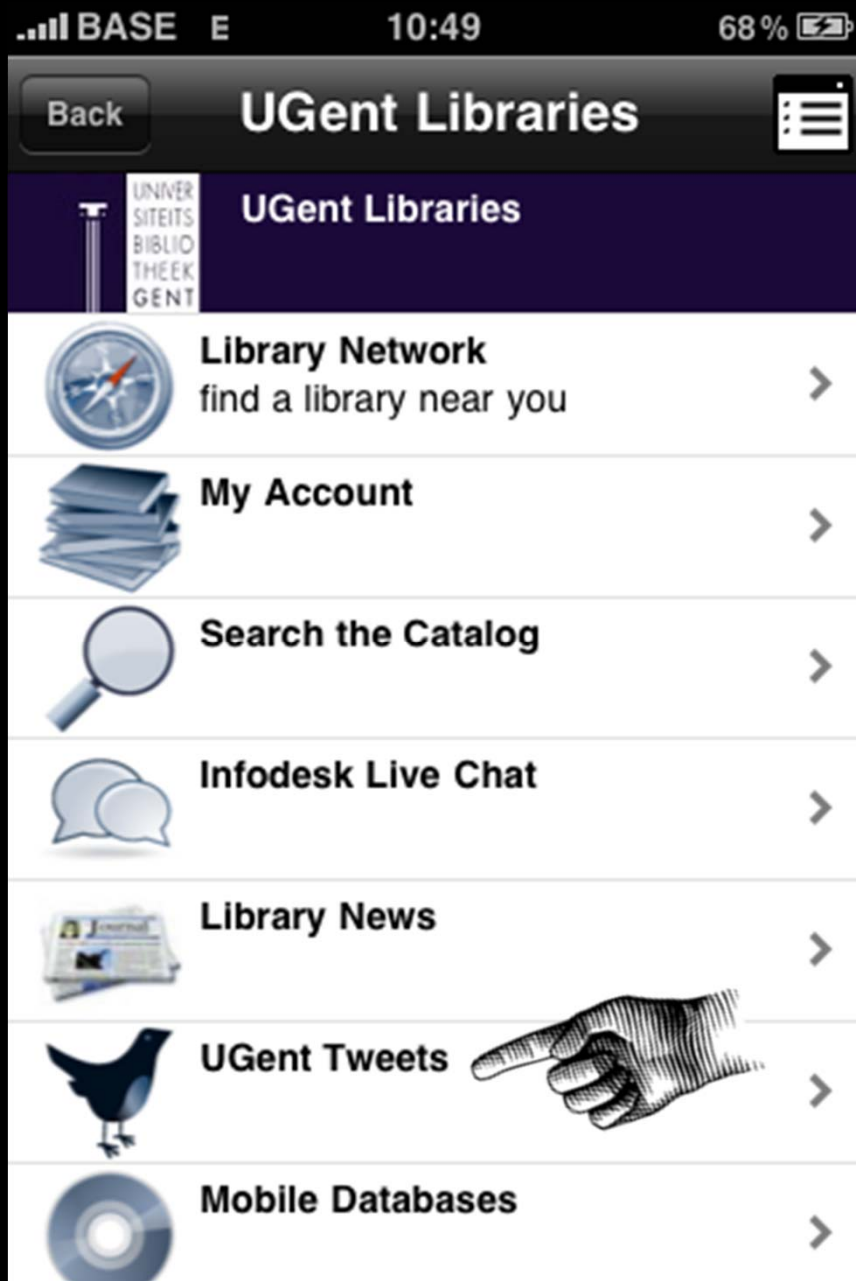
BASE E 10:58 71%

[Back](#) 

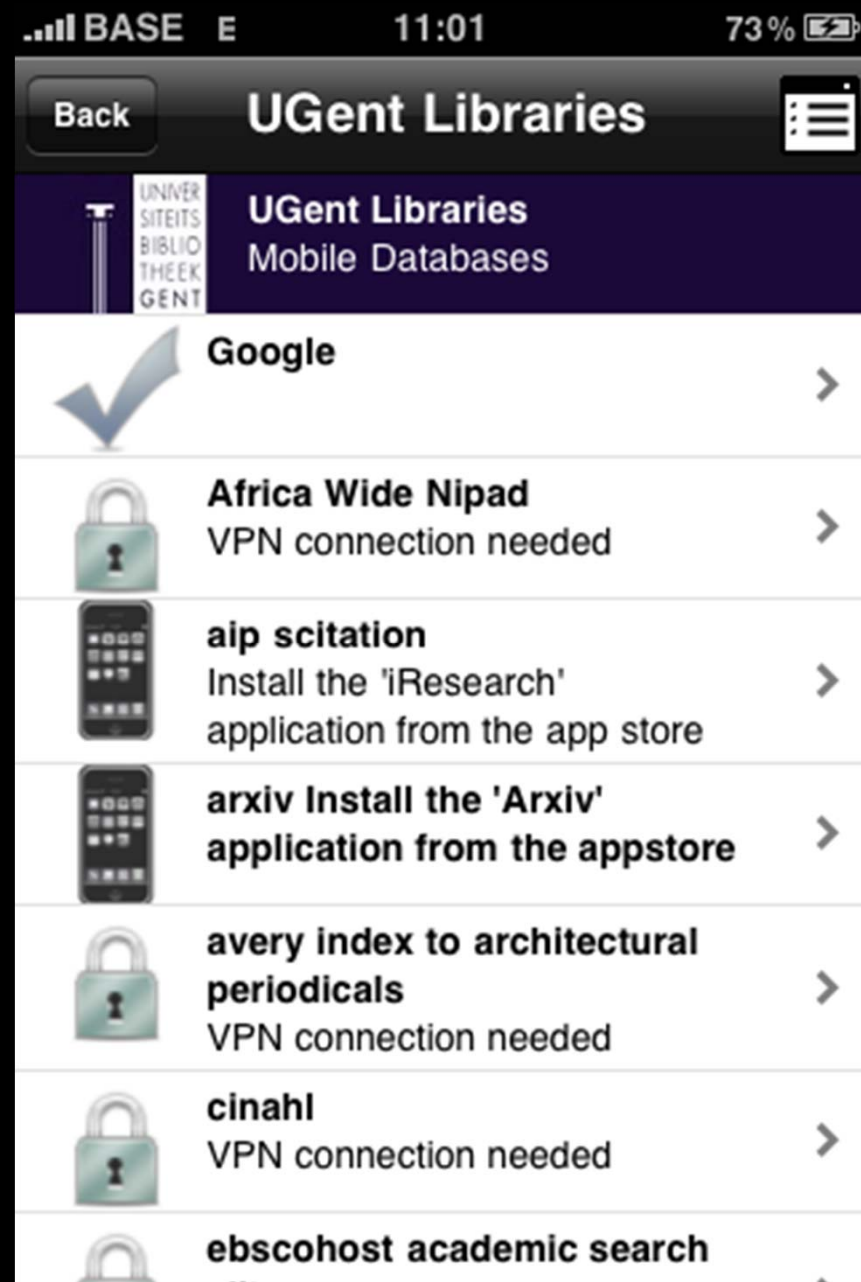
 **Library News**

- Transcending boundaries in Europe in the Period of the Belle Epoque** >
2010-04-06T14:44:13Z
- Erfgoeddag 2010 op 25 april** >
2010-04-09T13:48:15Z
- Marleen Temmerman wint Life Achievement Award British Medical Journal** >
2010-03-11T10:03:30Z
- Demo's endnote en reference manager in april** >
2010-03-11T08:17:23Z
- België werkt mee aan het realiseren van de Europese Open Access-pilot: OpenAIRE** >
2010-03-02T14:00:35Z
- Het Open Access tijdschrift PlosOne wordt nu ook geïndexeerd in Web of**

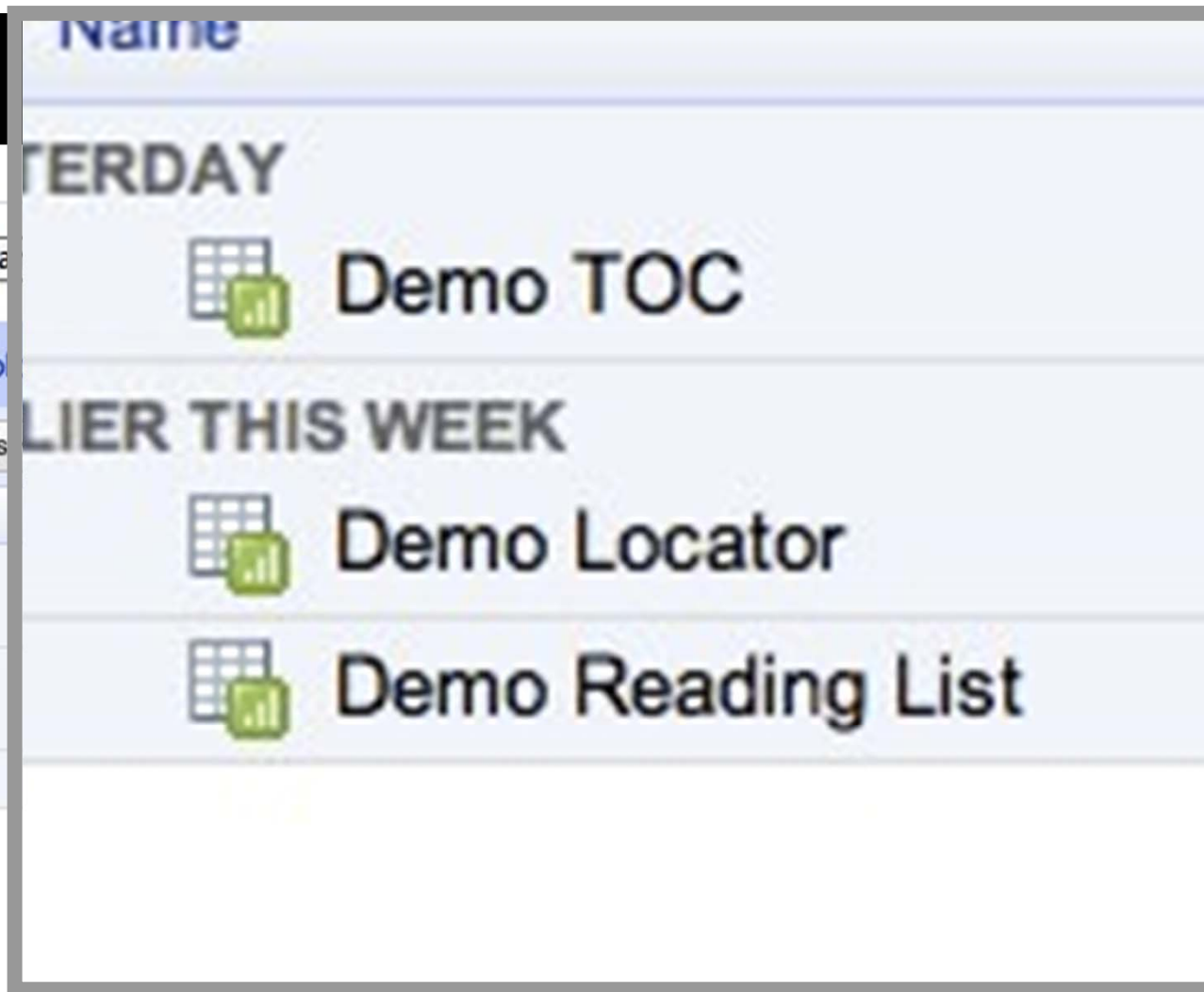
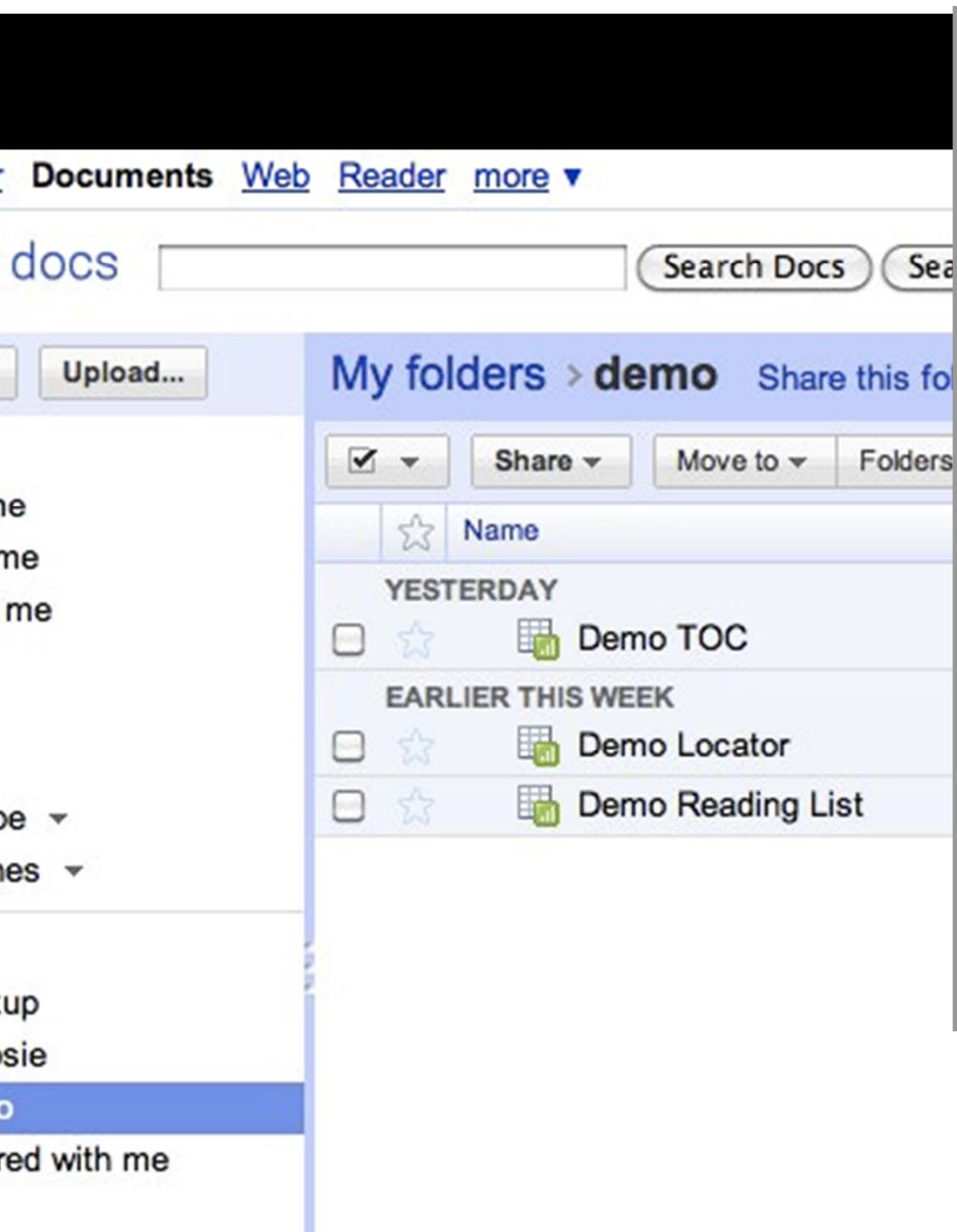
UGent Library tweets...



Supplement 5: mobile apps



Admin Interface



OC (sub) Menus

[Documents](#) [Web](#) [Reader](#) [more](#) ▼

[Old version](#) | libservice@ugent.be | [Settings](#)

docs Demo TOC  Private to me + 2 more

Updated 24 hours ago by libservice

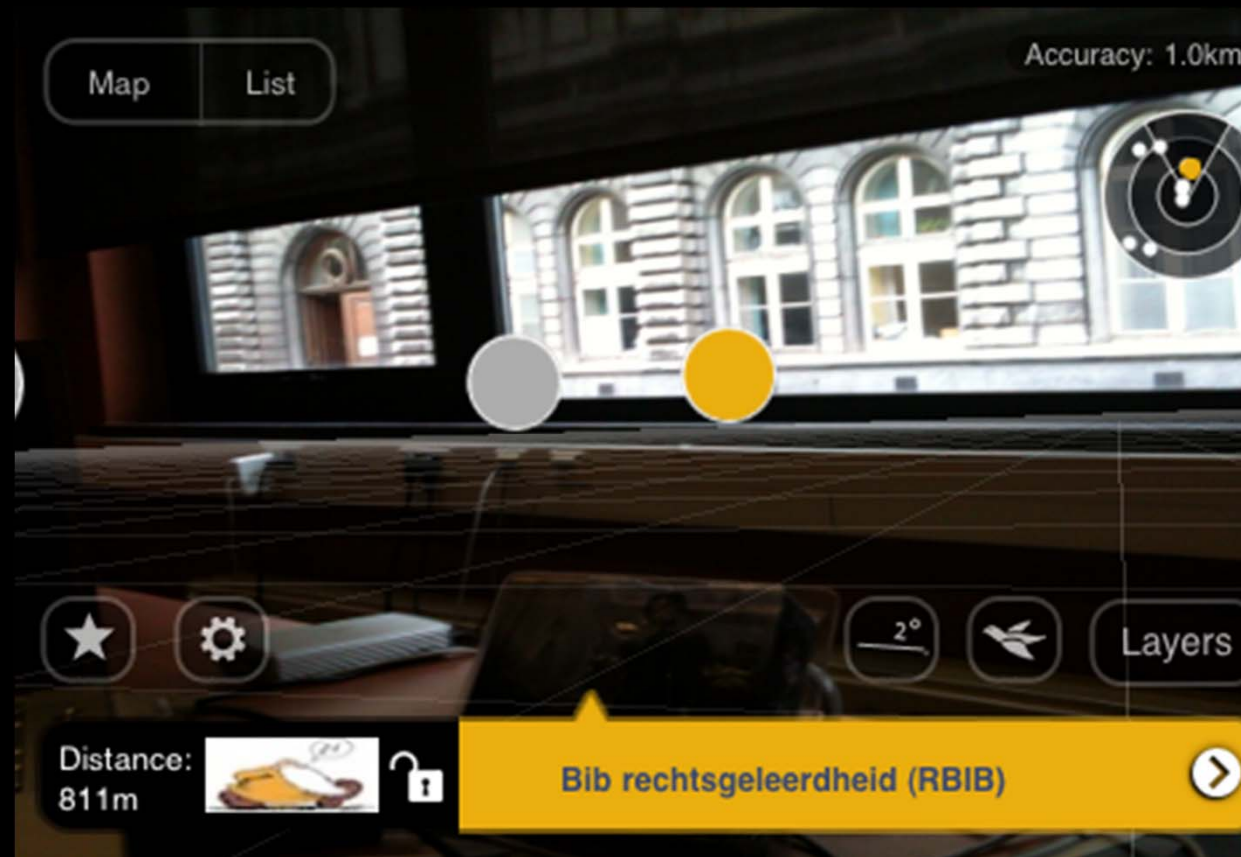
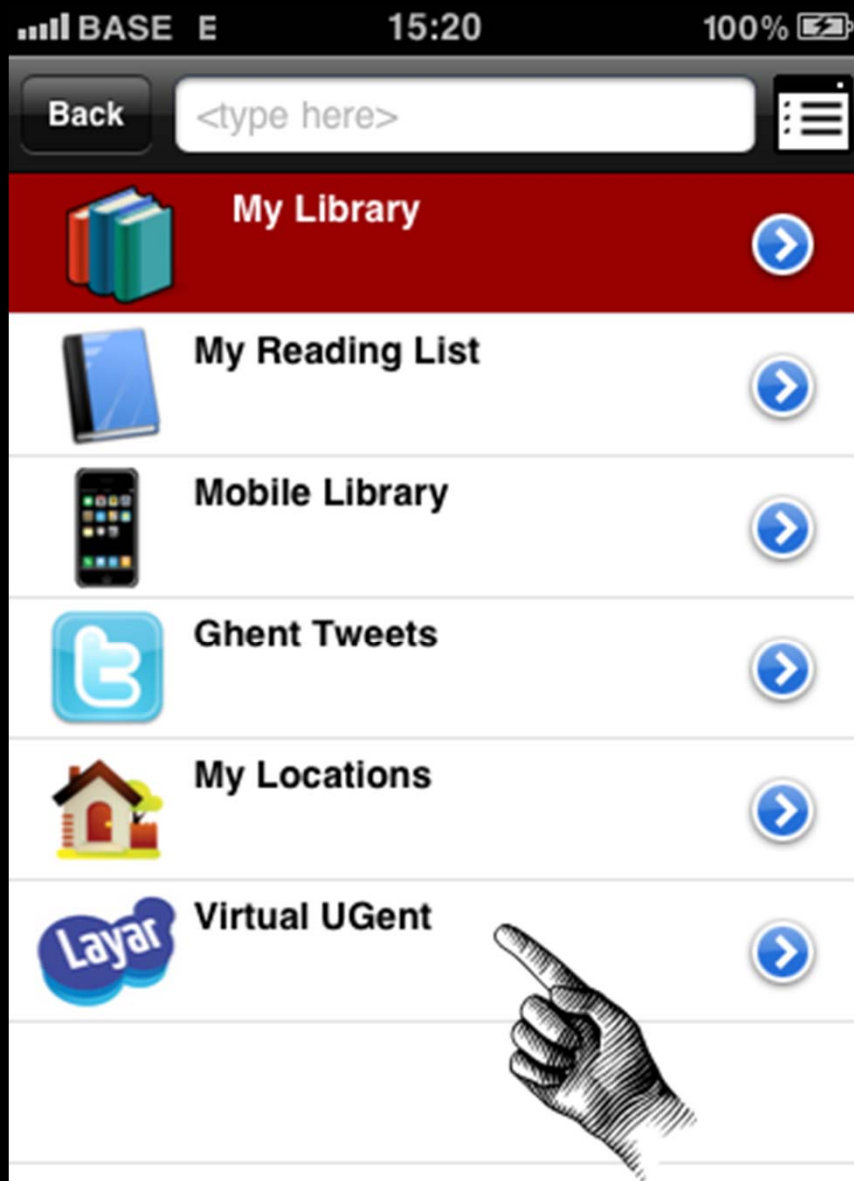
Saved

View Insert Format Form Tools Help



A	B
	text descriptor
lib.ugent.be/~phochste/images/book.png	My Reading List i:/i/docid/0AqZM
lib.ugent.be/~phochste/images/mobile.png	Mobile Library http://lib.ugent.b
lib.ugent.be/~phochste/images/twitter.png	Ghent Tweets twitter: gent
lib.ugent.be/~phochste/images/home.png	My Locations i:/i/docid/0AqZM
lib.ugent.be/~phochste/images/layar.jpg	Virtual UGent layar://igelu2010

OC in vanilla interface



Reading list

Documents Web Reader more ▾

Old version | libservice@ugent.be | Settings

docs Demo Reading List Private to me + 2 more

Updated 3 days ago by libservice

Saved

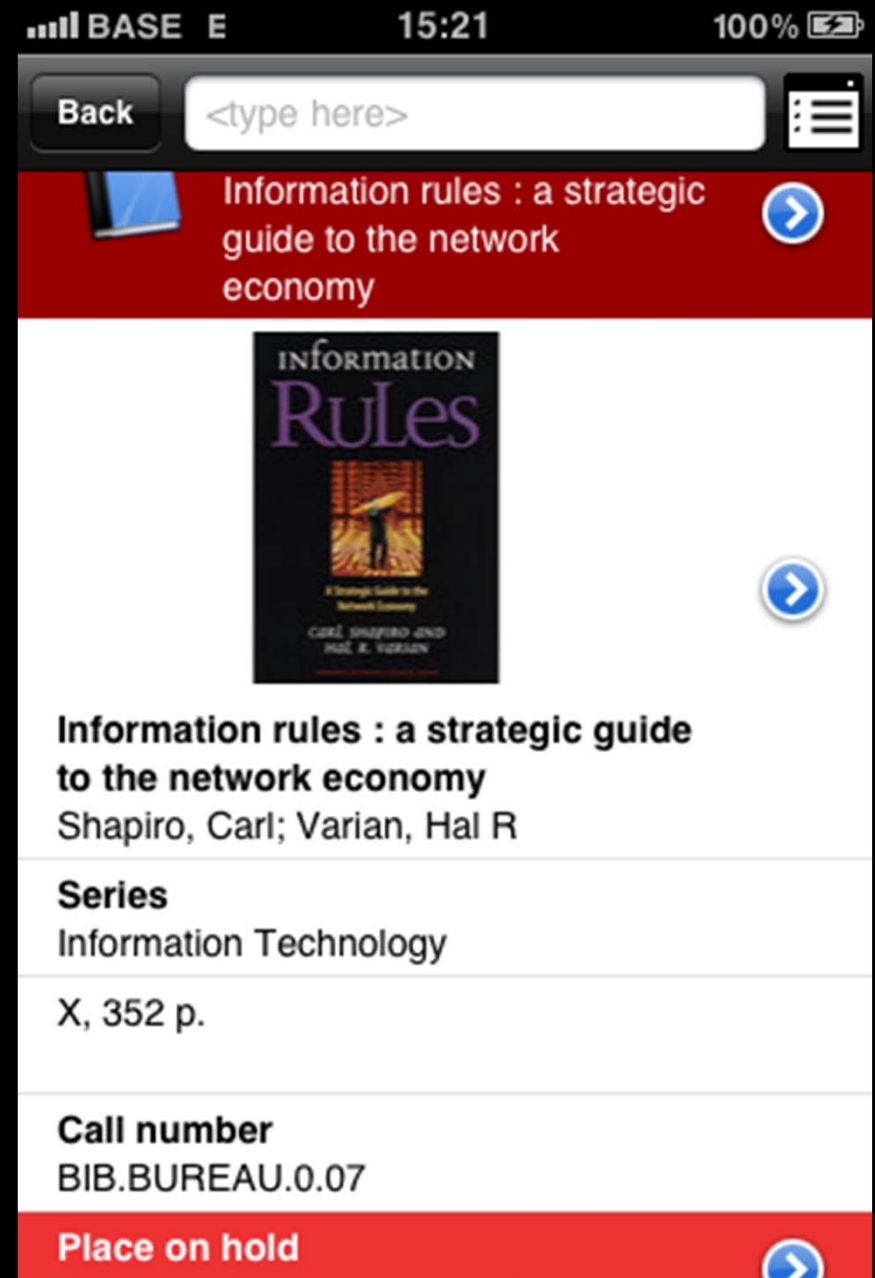
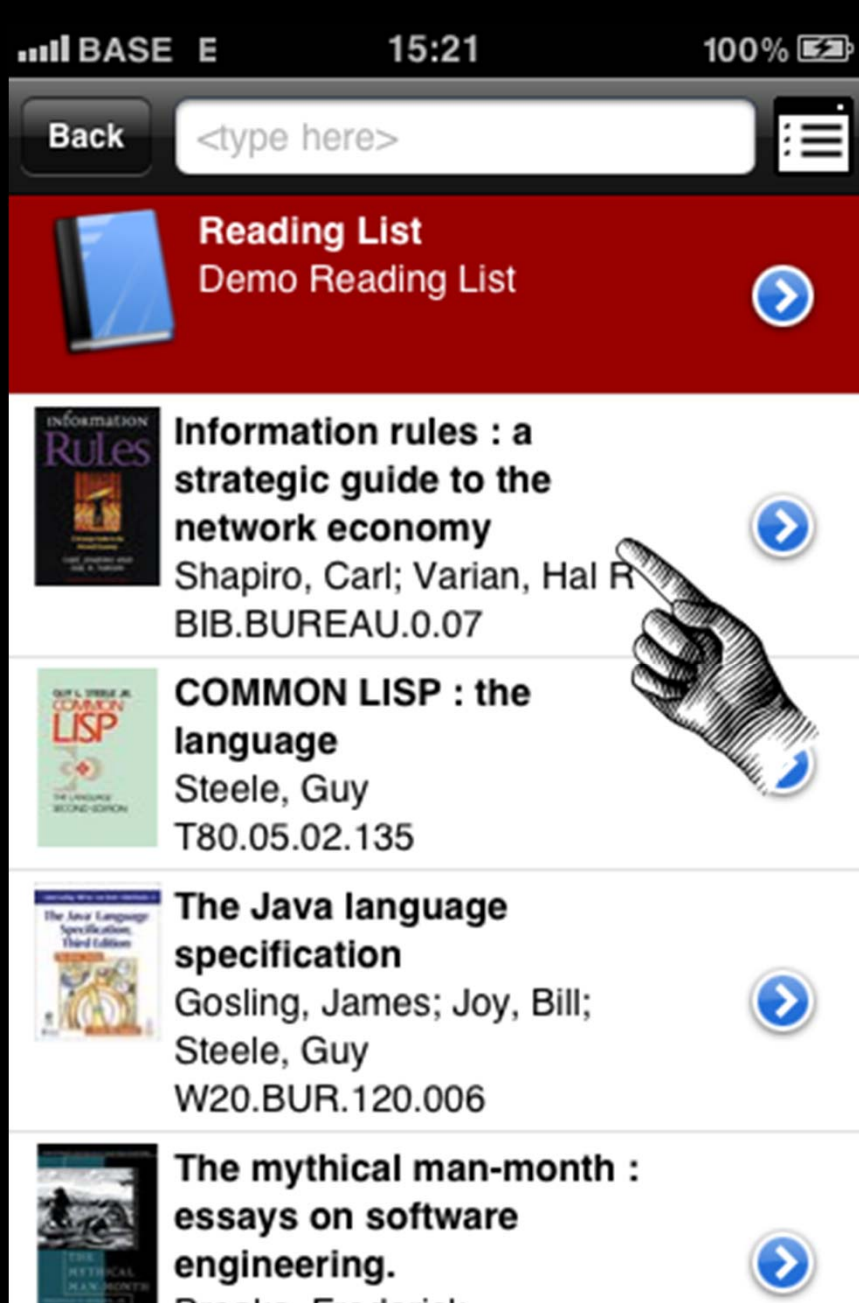
View Insert Format Form Tools Help



3

							Show
A	B	C	D	E	F	G	
	Title	Author	Call Number	Description	Picture	Series	
488328	Information rules : a strategic guide to the network economy	Shapiro, Carl; Varian, Hal R	BIB.BUREAU.0.07	X, 352 p.	http://lib.ugent.be/~phochste/images/shapiro.jpg	Information Technology	
201487	COMMON LISP : the language	Steele, Guy	T80.05.02.135	xxiii, 1029 p. ; 24 cm.	http://lib.ugent.be/~phochste/images/lisp.jpg	Information Technology	
1222708	The Java language specification	Gosling, James; Joy, Bill; Steele, Guy	W20.BUR.120.006	xxv, 505 p. ; 24 cm.	http://lib.ugent.be/~phochste/images/java.jpg	Information Technology	
124112	The mythical man-month : essays on software engineering.	Brooks, Frederick	T56.CT035	XI, 195 p.: ill.	http://lib.ugent.be/~phochste/images/brooks.jpg	Information Technology	
1017738	The inmates are running the asylum	Cooper, Alan	BIB.N.031331	xxvi, 255 p. : ill. ; 24 cm.	http://lib.ugent.be/~phochste/images/cooper.jpg	Information Technology	

Reading list: vanilla interface



- 4 months, 3 persons:
 - 2 system librarians : 2 x 0.1 FTE
 - 1 project manager: 1 x 0.1 FTE
- Costs: ~ 4 weeks paying a programmer
- Some work to synchronize library addresses (250). Setup the hold request link. Testing on iPhone, HTC and Nokia.
- More work in color schemes to use, icons, etc...

Acknowledgements

- Frank Vandepitte - UGent Library
- Patrick Hochstenbach - UGent Library
- Omar Reygaert - UGent Library
- Gary Fletcher - Boopsie Inc

- MorganStanley “The Mobile Internet Report”
http://www.morganstanley.com/institutional/techresearch/mobile_internet_report122009.html
- Gartner News
<http://www.gartner.com/it/page.jsp?id=1421013>
- Student Smart Phone Survey - Winter 2009
<http://clm.ucdavis.edu/pubs/survey/student-w09-2.html>
- TU Delft Mobile Survey Results
<http://www.slideshare.net/wfvanvalkenburg/tu-delft-mobile-survey-results>
- The Mobile Internet is Bigger Than You Think
<http://www.slideshare.net/grigs/the-mobile-internet-is-bigger-than-you-think>
- The Web Is Dead. Long Live the Internet
http://www.wired.com/magazine/2010/08/ff_webrip/all/1

- Mobile Web App Design: Getting Started - Michael Doran - Code4Lib 2010
<http://code4lib.org/conference/2010/doran>
- Fermi paradox
http://en.wikipedia.org/wiki/Fermi_paradox