DESIGNING FOR TODAY'S WEB

LUKE WROBLEWSKI WEBDAGENE SEPTEMBER 2010





TODAY'S WEB

• What is changing the way we interact with the Internet?

• How does this impact our designs?

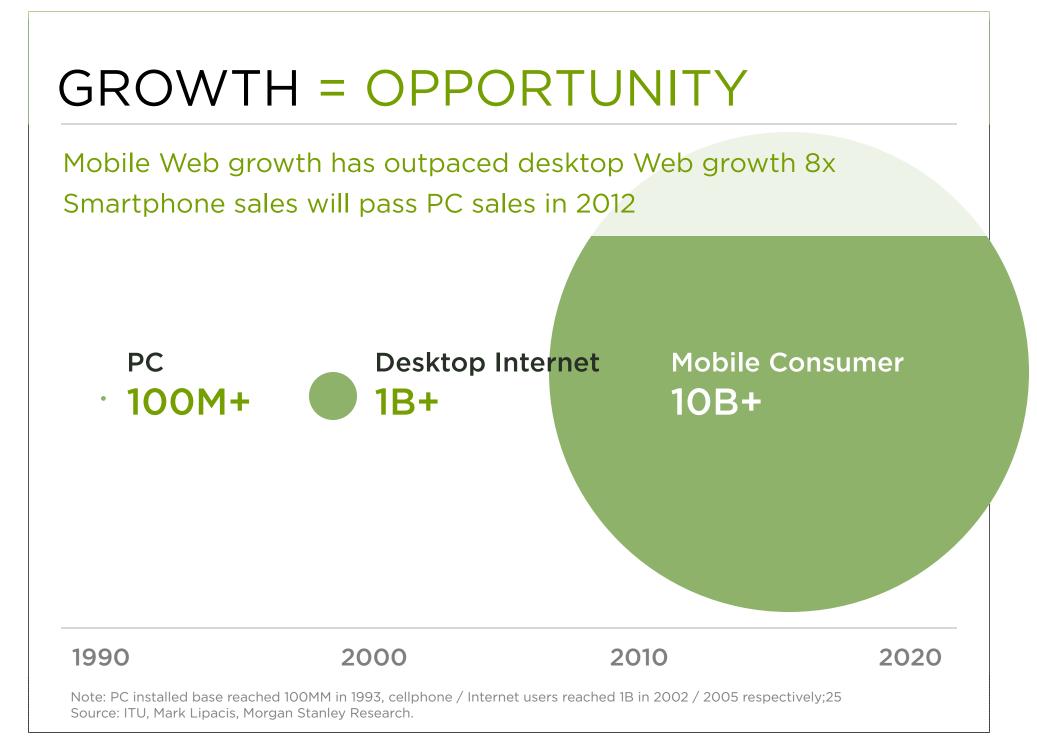


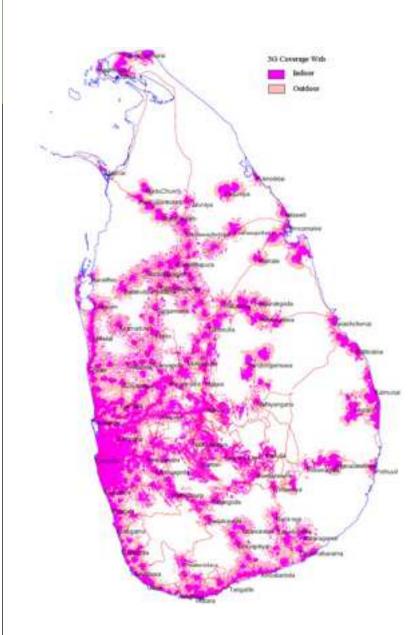


TODAY'S WEB CKET

Huge growth on mobile InternetIntroducing new contexts of use







3G Penetration

- 485MM global 3G users
- **46%** year over year increase in worldwide 3G penetration
- **11%** of mobile users on 3G worldwide
- **44%** estimated worldwide by 2013
- Already over 30% penetration in Japan, Western Europe, and USA







2006

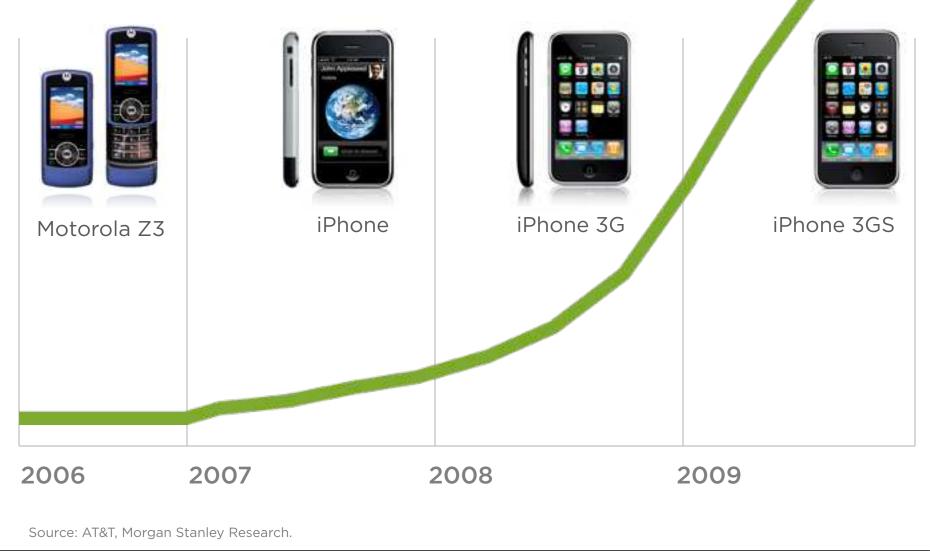
High-end RAZR-inspired phone with class 12 EDGE high-speed data & WAP 2.0/xHTML Web browser.

2G network GSM 850 / 900 / 1800 / 1900 SMS, EMS, MMS, Email, Instant Messaging 2 megapixel camera Music player Resolution: 176 x 220 pixels Colors: 262,144 (18-bit)



4,932% Increase

AT&T mobile data traffic increased 50x in 3 years



30x the Mobile Traffic

1 iPhone

30 basic feature phones



Source: Cisco's "Visual Networking Index Global Mobile Data Traffic Forecast Update"

Feature Phones



- **4%** browse the mobile Internet at least daily
- 6% have accessed social networks using their mobile browser
- **12%** have accessed Email on their mobile



Mobile Usage



Commerce

- Amazon: over \$1 billion spent via mobile devices in the past 12 months
- PayPal: mobile transactions increased six-fold in 2009: \$25M to \$141M
- Best Buy mobile Web users doubling every year: 30M (10), 17M (09), 6M (08)

www.lukew.com/ff/

- Twitter: 16% of all new users start on mobile
- Facebook: 150 million active mobile users

Productivity

- Email activity is 41% of US mobile Internet time
- 70% of smartphone users have accessed Email on their mobile device

Additional Usage



- Over half a million calls made to local businesses directly from the iPhone App, or one in every five seconds.
- Viewing active listings 45% more often from mobile devices (audience is primarily active buyers, on location or scoping out neighborhoods)

facebook

7illow.com

 People that use Facebook on their mobile devices (150M active) are twice as active on Facebook than non-mobile users.



Source: http://www.lukew.com/ff/entry.asp?1131 Source: http://www.lukew.com/ff/entry.asp?1178



DISTRACTIONS

TO DESIGNING FOR THIS.

During a typical day... 84% at home 80% during misc. times 74% waiting in lines 64% at work



Flickr photo by NokiaConnectZA | Idea for slide: Bryan Rieger: http://slidesha.re/cBQ9cw

London Underground: Web Design

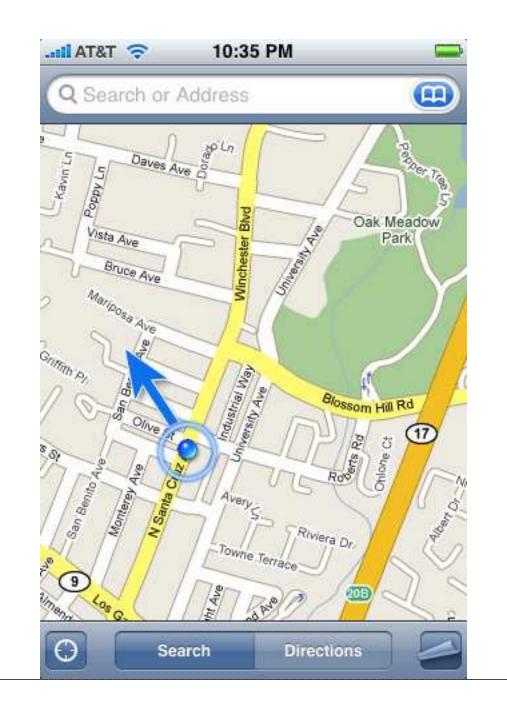


Tube map



Location & Orientation Detection





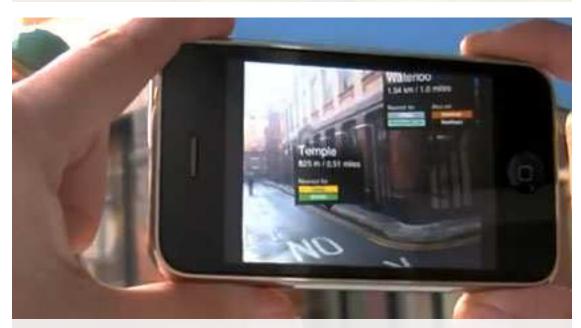




LOOKING UP



LOOKING DOWN



LOOKING AHEAD



NEAREST TUBE: MOBILE DESIGN



TODAY'S WEB

- 1. IN YOUR POCKET
 - Explosive growth in mobile traffic
 - Introduces new modes of use
 - And new contexts to design for



MOBILE FIRST

LUKE WROBLEWSKI WEBDAGENE 2010





TODAY'S WEB IS...

- Desktops
- Laptops
- Mobiles
- Game Consoles
- Connected TVs
- Streaming Players
- Etc...





4 30

9:42 AM

+=

54.99 3

54.54

facebook



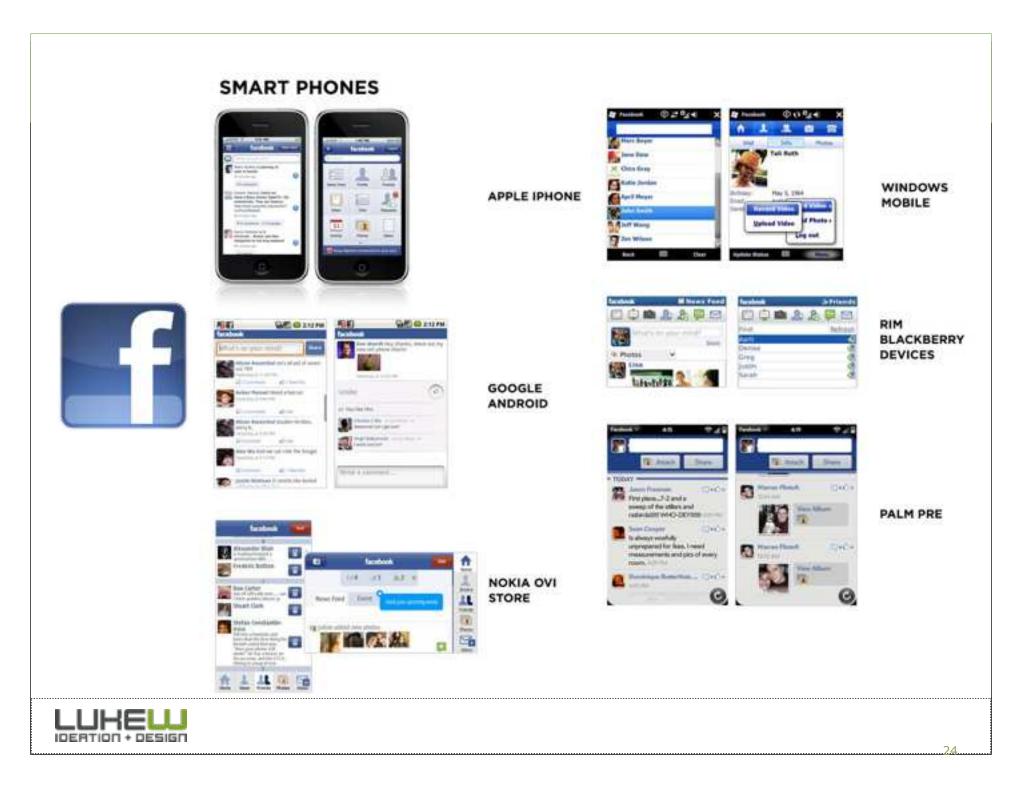


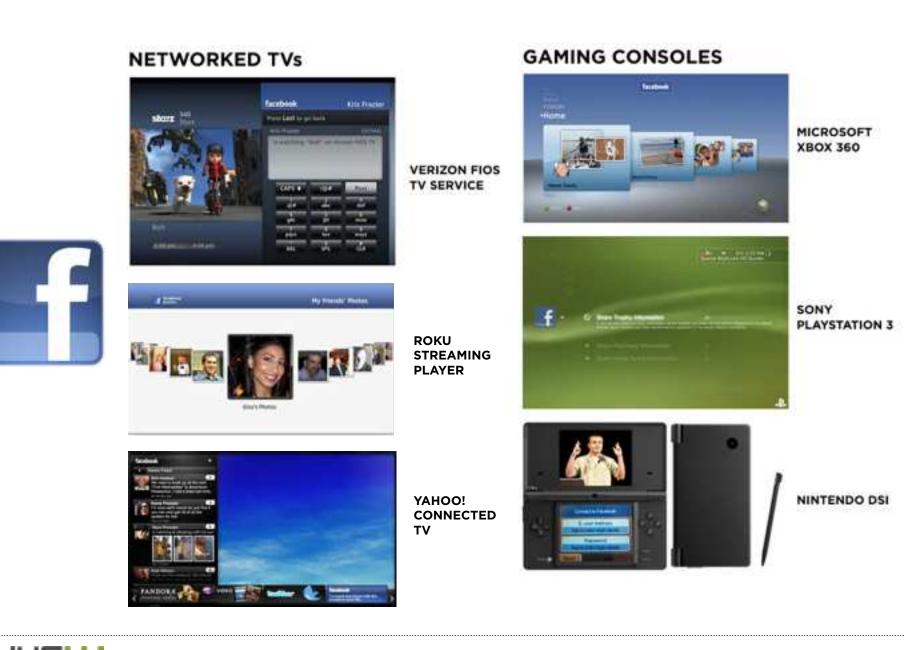


The Art of Choosing











NETFLIX

LAPTOPS

Internet Explorer 6.0 or higher Firefox 2 or higher Safari 3 or higher

TABLETS

Apple iPad

SMART PHONES Apple iPhone Google Android coming soon

GAME CONSOLES

Nintendo Wii Xbox 360

Sony PS3

CONNECTED TVS

LG HDTVs with NetCast Sanyo LED HDTV Sony BRAVIA LCD HDTVs VIZIO XVT Series HDTVs Panasonic Viera TVs

STREAMING PLAYERS Apple TV Roku Seagate FreeAgent WD TV Live Plus **DIGITAL VIDEO RECORDERS** TiVo CONNECTED BLU-RAY PLAYERS Insignia Connected Blu-Ray Player LG Network Blu-ray Players Panasonic Networking Blu-Ray Player Philips Netflix ready Blu-ray Player Pioneer Internet Connected Blu-ray Player Samsung Network Blu-ray Players Sony Network Blu-ray Disc player Toshiba Blu-ray players Yamaha Networking Blu-ray Disc Player

VIZIO Blu-ray Player with Internet Apps



NETFLIX







tweetago

Your Memories. Your Way.

What were you doing then? Remember what you did last year. last month, or yesterday using our Twitter -based service on your iPhone, Facebook, Myspace, Internet device, and more. Tweetagobrings your memories to you wherever you are. Learn more »

What you did last...





The Golden Compass: senseless waste of Ian McKellen.

December 10, 2007 at 06:09am

Yesterday: Dec 9, 2008



Really think we should not hammer the Twitter API.

December 10, 2008 at 03:22pm

Get Tweetago for:



iPhone

Download our iPhone application from the iTunes store to get Tweetago on the go.



Facebook

Add to your profile page and share memories with your Facebook friends.



MySpace

Add to your profile page and share memories with your Myspace friends



Dashboard

Download our OSX dashboard widget to get your memories on your Apple desktop.



Bookmarklet

Add your memories to your favorite Web browser: FireFox, Safari, or Internet Explorer.



Chumby

Display your memories anywhere: you like using the Chumby Internet device.



iPhone, Facebook, Myspace, Internet device, and more, Tweetago brings your memories to you wherever you are. Learn more »



Really think we should not hammer the Twitter API. December 10, 2008 at 03:22pm

Get Tweetago for:



iPhone

Download our iPhone application from the iTunes store to get Tweetago on the go.



Facebook

Add to your profile page and share memories with your Facebook friends.



MySpace

Add to your profile page and share memories with your Myspace friends



Adobe AIR

Download our Air application to view your memories on your Mac or PC desktop.



iGoogle

Add your memories to your iGoogle home page



Badge

Add your memories to your iGoogle home page



Dashboard

Download our OSX dashboard widget to get your memories on your Apple desktop.



Bookmarklet

Add your memories to your favorite Web browser: FireFox, Safari, or Internet Explorer.



Chumby

Display your memories anywhere you like using the Chumby Internet device.



My Yahoo!

RSS

Add your memories to your My Yahoo! home page



Subsribe to a feed of your memories using your favorite RSS reader.

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Settings

Last Year: Dec 10, 2007



Prev

Done pulling speaker cables. Happy we have a basement, decent crawlspace, and a 120-pound boy to send into the tight spaces.

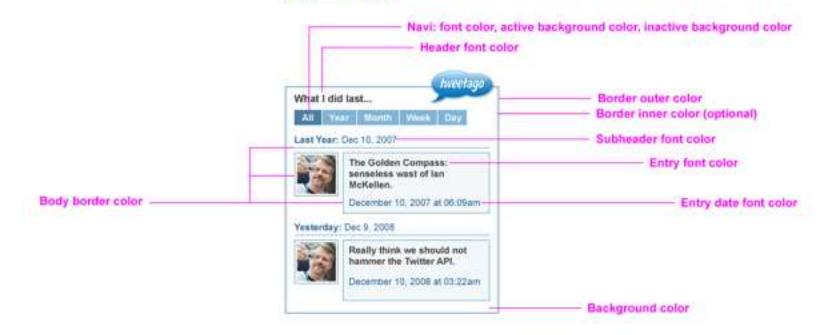
December 10, 2007 at 12:22pm

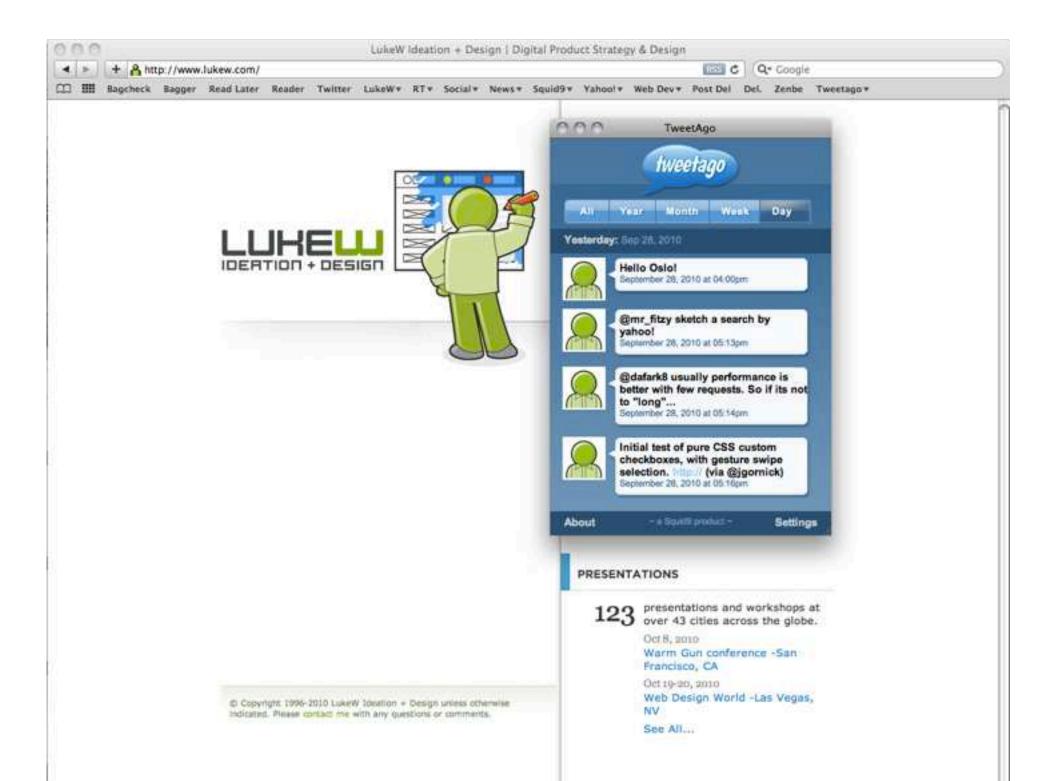


Next



Customization:









Add your memories to your Google borne page



Badge Add your memories to your Google tome page

@ Copyright 2009 Tweet/Ago. Ad rights reserved. Copyright IP Palicy | Company Info

Subaritie to a feed of your memories using your levels RSS reader

TODAY'S WEB

2. AND BEYOND

- Integrate appropriately
- Focus on your core value
- Flexible & responsive design





TODAY'S WEB YOUR FRIENDS

- Identity & relationships as services
- Instant on experiences



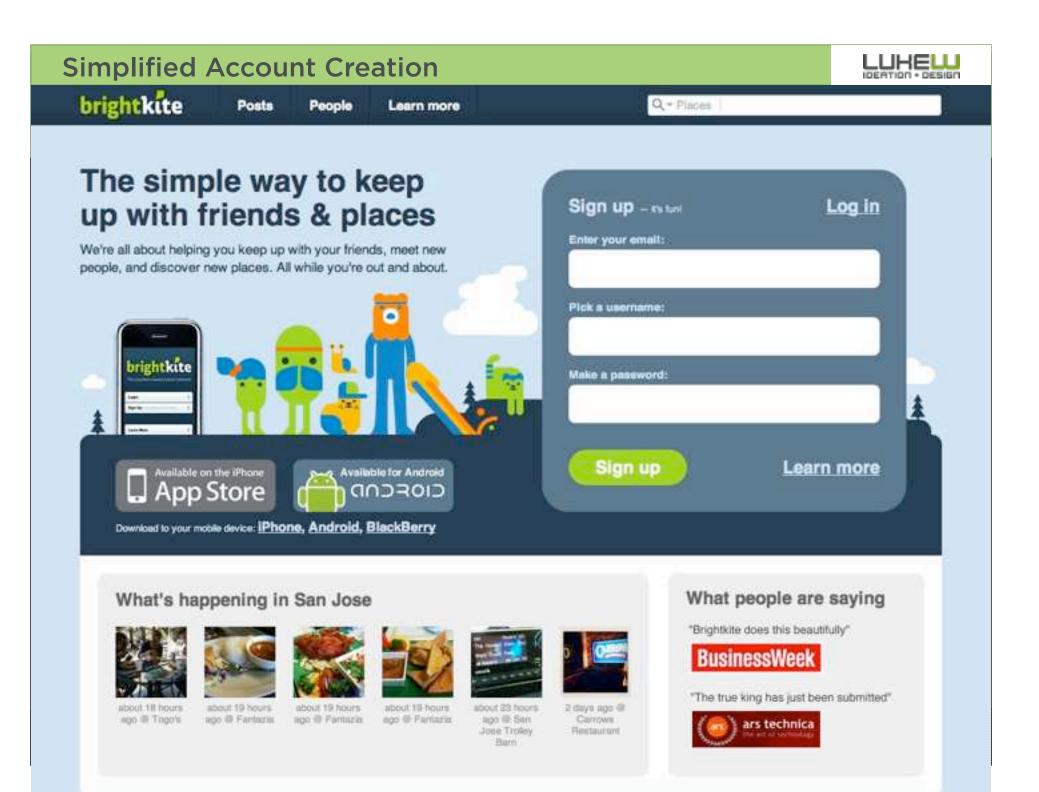
Typical Account Creation

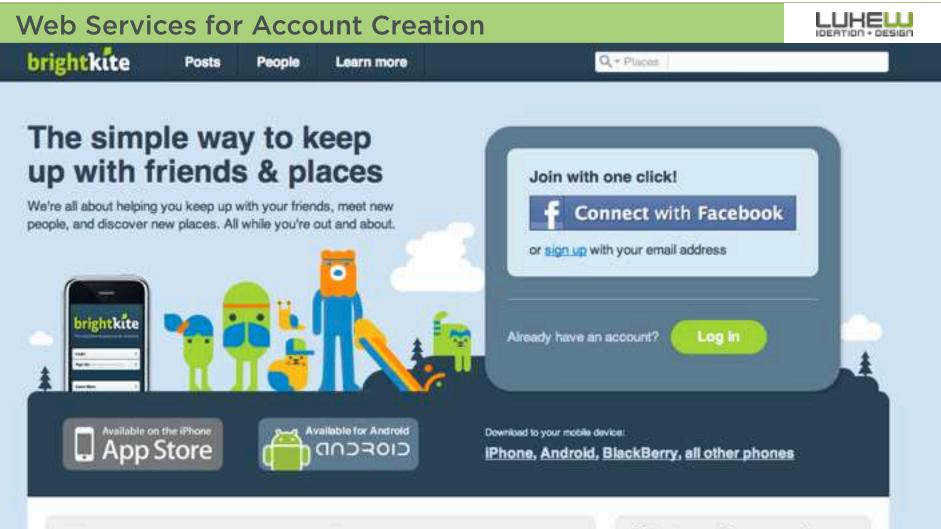




Are you human?	of Automotive
	Type the two words:
	Please type in the two words above to verify that you are human.
	Sign Up

Re-create yo	our identity & friends list	
brightkite	Enter a street address or city • g. 2911 Walnut St. Denver, CO or Denver or Jacon	Help Log out
factoryjoe view.profile	Thanks for signing up for Brightkite	
What's happening? Friends	Okay, so what now? Well, during the beta, we'd like you to explore a little, and figure things out for We'd love to guide you through everything, but we just haven't gotten to that part yet.	or yourself.
Visited Places Placemarks	Things you do with Brightkite: Check in at places (enter your current location at the top, then hit checkin on the place page)).
Messages	Post notes and photos at a place See what's going on at a place, who's there right now, and who's been there	
1 friend request	Friend people and keep track of what they're doing in the real world Here are some links to get you started:	
You are not checked in.	Use Brightkite via text messaging on your phone See what people are doing on Brightkite Set up your profile	
Privacy: Plana 📰 🖽	Read our FAQ Give us feedback	
You have 5 invites left		
	Copyright 2006-2008 No Sleep Media LLC. All rights reserved. Contact us at info@brightkite.com Terms of Service & Mobile Information Privacy Policy Blog Contact Us	





What's happening in South San Francisco





age @ Sahiway

about 7 hours ago @ Saly's Restaurant about 8 hours

ago @ San

Francisco

about 6 hours ago @ San Francisco



about 9 hours ago 19 San Francisco



about 10 hours ago @ Brightiche

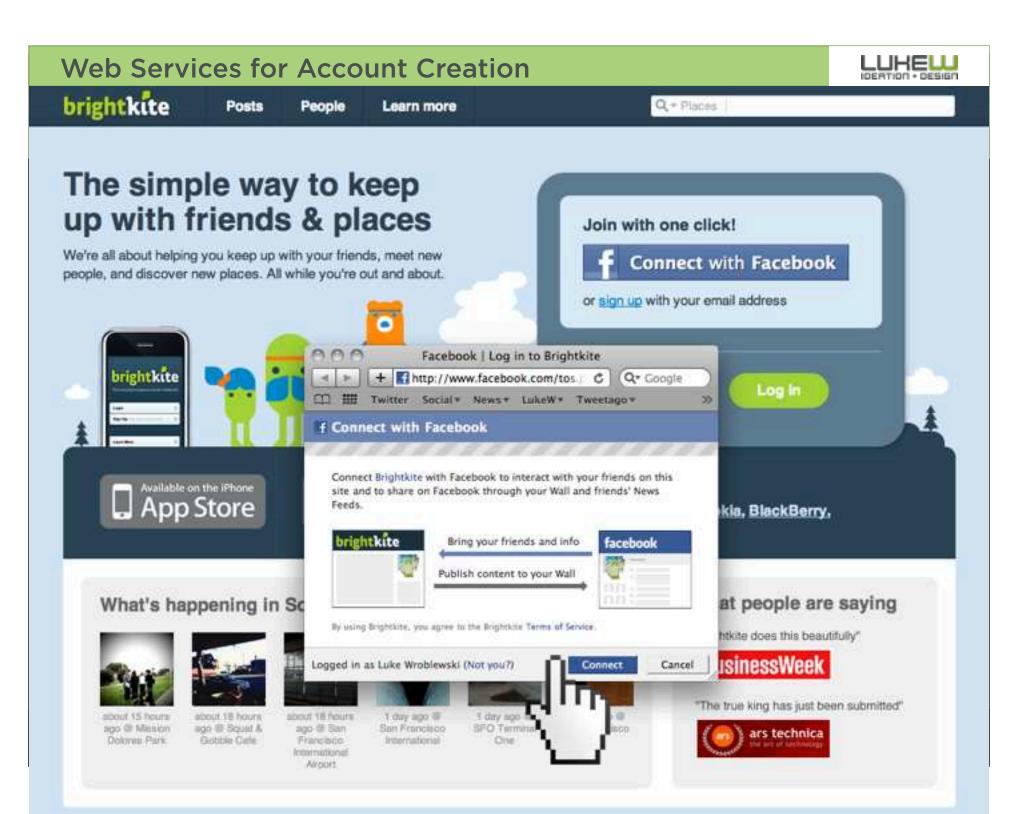
What people are saying

"It's a great design... the application's interface is dead simple... it's all here."

TechCrunch

"Brightkite is a great location-based service."

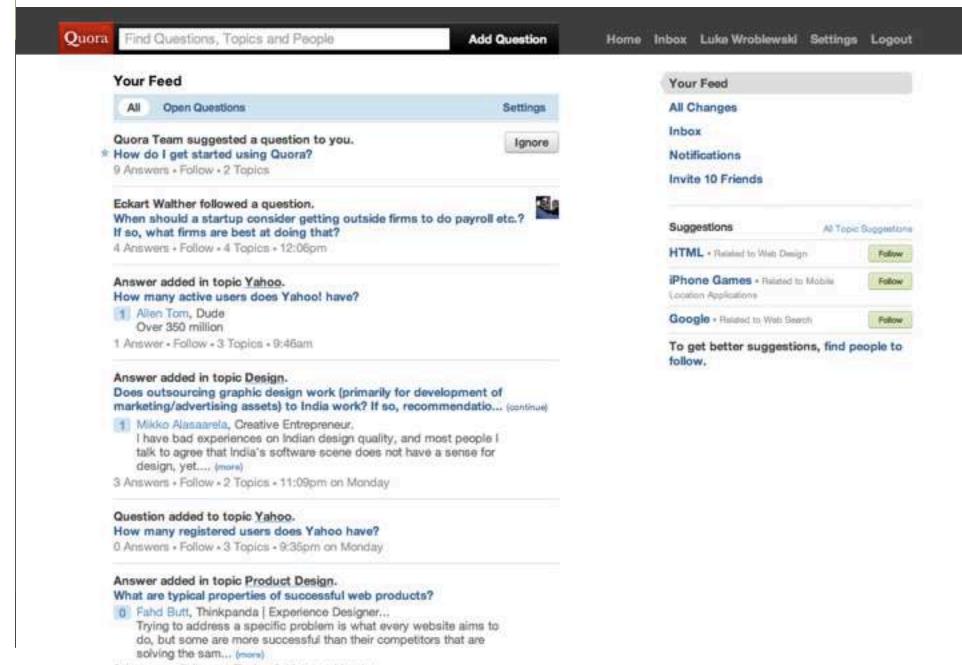




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VrobiLuko474 @ Somewhere in the world - shared with everybody -	check in elsewhere		
Post & Check In	You can also post from your mobile phone	Friends on the town	
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Everywhere * Friends * Everything *	C. Enter a search term		GRBITZ
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about Pack (TX, United States) - about Pack (TX, United States) - about	18 hours ago - comment		IRFARES
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tactoryjoe checked in @ Founding Farmers (1924 Pennsyl States) - 25-days ago - comment	vania Avenue Northwest, Washington, DC, United	Share with	THE

Instant-on Start Experience





2 Answers - Follow - 1 Topic - 6:50pm on Monday

The second secon

Hi Luke. Pandora is using Facebook to personalize your experience. Learn More - No Thanks

đ

	internet radio register sign in Help	
[We created Pandora to put the <u>Music Genome Project</u> directly in your hands It's a new kind of radio - stations that play only music you like	
	Enter an artist, song or composer. We'll create a radio station featuring that music and more like it. artist or song	
9	We're starting you off with a station based on artists you like from P now playing: Jamming by Bob Marley on Exodus (Deluxe Edition)	

facebook.

- 500 million people worldwide are actively using Facebook
- 50% of active users log on to Facebook in any given day
- More than one million websites have integrated with Facebook
- More than 150 million people engage with Facebook on external websites every month
- Two-thirds of comScore's U.S. Top 100 websites and half of comScore's Global Top 100 websites have integrated with Facebook



Instant-on Start Experience



Application for elegant.ly

Startups need you. Apply and be connected to early-stage companies that realize great design and user experience will make or break their businesses.



Luke Wroblewski

Chief Design Architect (VP), Yahool Inc. [Speaker & Author, LukeW Ideation & Design San Francisco Bay Area] 24 recommendations

YOUR AREAS OF EXPERTISE

Select all that apply to you

- Visual Design
- UX Design / Wireframes

Identity Design / Illustration

0

4

Icon Design

Motion Design

-
- Web Development
- Experience / Product Strategy User Research

TELL ME ABOUT YOU

Passions, design interests, side projects, etc.

LukeW is an internationally recognized product design leader who has designed or contributed to software used by more than 700 million people worldwide. He is currently Chief Design Architect (VP) at Yahool Inc. where he works on product alignment and forwardlooking integrated customer experiences on the Web, mobile, TV, and beyond.

Luke is the author of two popular Web design books (Web Form

ATTACH WORK PHOTOS

Tight Knit Circles Flourish

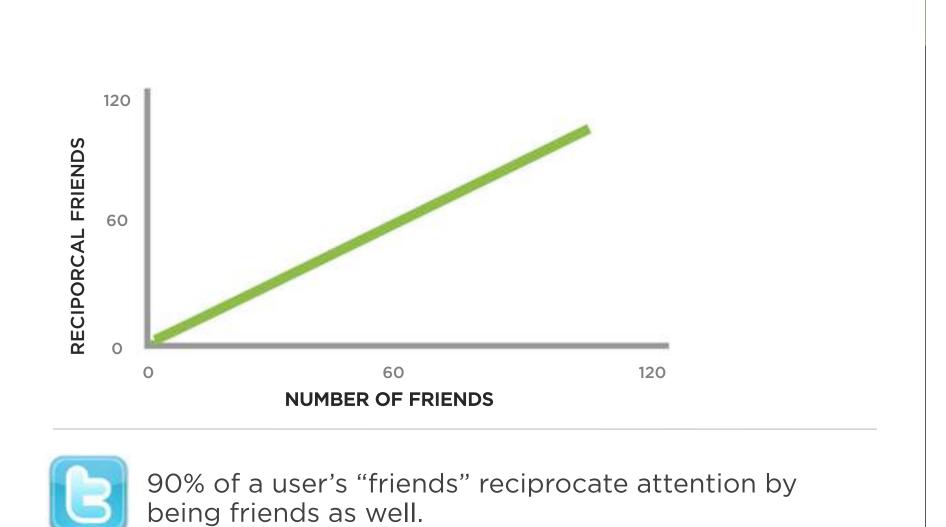




- 2-3 average "clique" size on Y! Answers before social relationships were added
- 4 average people a man messages on Facebook
- 6 average people a woman messages on Facebook
- 7 average friend's walls a man on Facebook posts to
- 10 average friend's walls a woman on Facebook posts to
- 13 average "friends" for 92% of Twitter users

Tight Knit Circles Flourish





Source: Social Networks that Matter: Twitter under the Microscope, January 2009

Communication Reveals Relationships



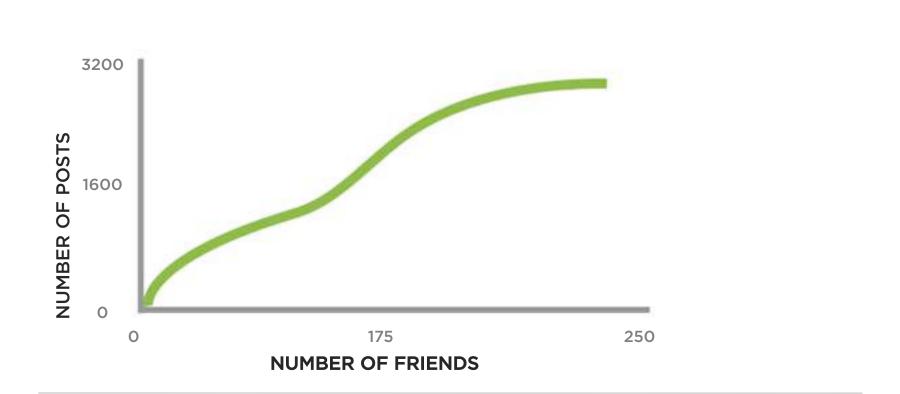


- 90% reciprocal relationships on Twitter when two sides exchanged at least two "@" messages
- 15.1% of Facebook friends exchange direct messages
- 95% accuracy for detecting real friends using mobile call logs & location

Source: Social Networks that Matter: Twitter under the Microscope, January 2009 BBC News: Mobile data show friend networks Rhythms of social interaction, HP Labs

Real Relationships Drive Production



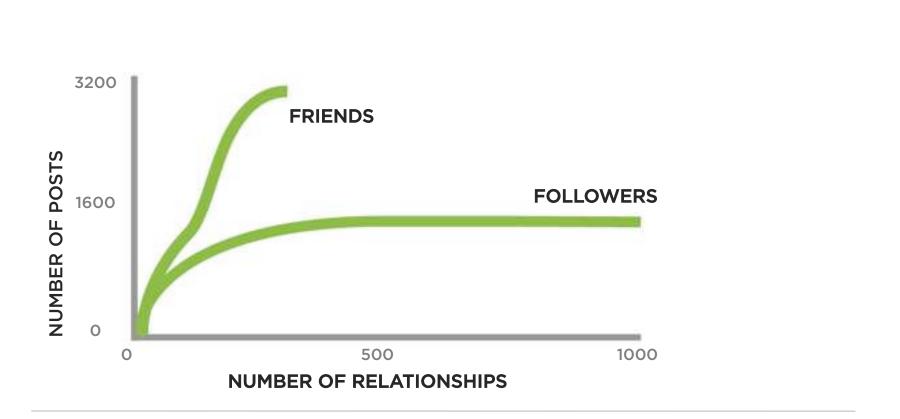




Total number of posts increases with friends without saturating up to 3,200 posts

Source: Social Networks that Matter: Twitter under the Microscope, January 2009

Real Relationships Drive Production





Contribution as friends increase does not saturate like it does for followers

Source: Social Networks that Matter: Twitter under the Microscope, January 2009

Real Relationships Drive Production





• 0-1-2 EFFECT

probability of joining an activity when two friends have done it is significantly more than twice the probability of doing it when only one has done so

Source: Convergence of Social & Technical networks, Communications of the ACM Nov 2008



facebook

home search browse invite help logout



Constant of C	unt (privacy logout
Search * Q+ Photos Notes A Groups	to Profile No one sees notes anymore, so I'm reposting	ise Message
Pieces of	30 BILLION content (links, videos, photos, etc.) shared each	month
Se Se	nd as a message instead Share Cancel	privacy help
	urce: http://www.facebook.com/press/info.php?statistics	

TODAY'S WEB

3. KNOWS YOU & YOUR FRIENDS

- Instant start experiences
- Real relationships drive production
- Good design still matter



TODAY'S WEB

IN YOUR POCKET
 AND BEYOND
 KNOWS YOU & YOUR FRIENDS



TODAY'S WEB

IS POSSIBLE NOW. GO MAKE IT.





More Information

- @lukew
- www.lukew.com

Web Form Design

- www.rosenfeldmedia.com/ books/webforms/
- Discount code: (25%)

