Google



Mobile Academy Kiev 14th March 2018

Agenda

8:30 am - Breakfast, networking, registration

9:30 am - UX best practices for retail. What you should remember about once you create mobile assets?

10:00 am - How to make sure we have best discovery on Mobile for retail company? Why mobile speed is so important? How plan ressources for best discovery optimisation?

10:30 am - The most efficient ways to optimize speed of mobile assets.

11:00 am - Coffee break

11:20 am - What you can do to increase engagement and conversion rate on mobile assets. PWAs, notifications.

11:50 am - How to increase conversion rate and retention with Google Pay?

12:20 pm - Assets optimisation and testing on Mobile for retail companies. How to optimize mobile assets based on data?

12:50 pm - Summary. What is coming next?

1:05 pm - Lunch

UX best practices for retail. What you should remember about once you create mobile assets?

Grygorii Krutii

Creating frictionless experiences across the funnel

After looking at several hundred retail sites, we realized that there were certain universal UX elements that helped create a frictionless shopping experience. This list aims to expand on the <u>25 Retail Principles</u> and provide a checklist for improving your mobile site experience across 6 key site areas:

1. HOME/LANDING PAGE 2. MENU &	NAVIGATION 3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	6. FORM OPTIMIZATION
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All recommendations should be A/B tested!

What can we learn from "Best-In-Class"

Homepage / Landing Page

Creating frictionless experiences across the funnel (RETAIL)

1. HOME/LANDING PAGE 2. MENU & NAVIGATION		3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	6. FORM OPTIMIZATION
SECTION	Homepage/Landing Page	Ease of implementation	Impact	Key Metric	
KEY SUGGESTION	Clear CTA above the fold	Easy	High	Clicks on CTA, Bounce rate	
	Have descriptive CTAs	Easy	Medium	Clicks on CTA, Bounce rate	
	Clear benefit-oriented value prop above the fold	Easy	High	Bounce Rate, CVR	
	Don't use full page interstitials	Easy	High	Bounce Rate	
	Remove automatic carousels	Easy	High	Bounce Rate	
	Display top categories on homepage	Medium	High	Bounce Rate, Clicks on category	
	Use social proof	Easy	Medium	CVR	
	Use legible font sizes (16px+)	Easy	High	Time on site	

DISPLAY A CLEAR CTA ABOVE THE FOLD (Specialty retail)







DISPLAY A CLEAR CTA ABOVE THE FOLD (large inventory)







SHOP NOW

HAVE DESCRIPTIVE CTAS (not next, shop, continue)







DISPLAY A CLEAR BENEFIT-ORIENTED VALUE PROP ABOVE THE FOLD







DON'T USE FULL PAGE INTERSTITIALS

adiamor	.com	
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	▼⊿	07:00
Adiamor		≡
Enter Keyword(s) or Item #		Q
FREE FEDEX® SHIPPING	& 30-DAY RETURNS	
Y OLDESTO BULL START WITH A START WITH	COMPANY SHO	
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Subscribe to our Newslette Email Address	r c	LOSE
SUBSCR	NBE	
Subscribe now to receive exclusive of	fers, updates on the site :	and new





REMOVE AUTOMATIC CAROUSELS, INSTEAD OPT FOR USER INITIATED





Carousels can be perceived as banners and therefore will be ignored. The user should always be in control.

Automatic image sliders or carousels on homepage should be avoided or the frequency should be decreased.

- **Reason #1**: Human eye reacts to movement (and will miss the important stuff)
- Reason #2: Too many messages equals no message
- Reason #3: Banner blindness

RESEARCH: <u>Conversion XL</u> <u>ClickZ</u> <u>Widerfunnel</u> <u>NN Group</u> <u>Erik Runyon</u>

SHOW TOP CATEGORIES ON HOMEPAGE







USE SOCIAL PROOF



tuftandneedle.com			poshma	irk.com	
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\leftarrow	mattress business what Warby Parker did for eyewear.*	\rightarrow	THE WALL STREET JOURNAL.	FAST@MPANY	
			The New York Eimes	YAHOO!	
	• • • •				
	READ MORE		SHOP CATEGORIES		+
			POPULAR BRANDS		+
			COMPANY		+
F	Helpful FAQs		BUY AND S	ELL ON APP	

Menu & Navigation

Creating frictionless experiences across the funnel (RETAIL)

1. HOME/LANDING	PAGE	2. MENU & NAVIGATION	3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	6. FORM OPTIMIZATION
SECTION	Menu &	Navigation	Ease of implementation	Impact	Key Metric	
KEY SUGGESTION	Show cor	nsolidated menu	Medium	High	Pages/visit increase	
		re important, include click-to- e top of every page	Easy	High	Clicks on icon	
	If foot traffic is important, include a store locator button in the menu		Easy	High	Clicks on icon	
	Keep me	nu options on one page	Medium	Medium	Pages per visit	
	For main traffic vo	product categories, order by lume	Easy	Medium	Pages per visit	
	lf using s alphabet	subcategories, organize ically	Easy	Medium	Pages per visit	
	Include p menu	oost sales activities in the	Easy	Medium	Pages per visit	

SHOW CONSOLIDATED MENU (LESS THAN 1/5 OF PAGE)







IF CALLS ARE IMPORTANT, INCLUDE PHONE ICON/NUMBER IN MENU

	casper.com				arrow.com	
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	The Sheets			Datasheets	5	
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€ +1 888-498	-0003		C	URRENCY: \$	USD	~
🍨 CHOOSE CO	DUNTRY V		C	ONTACT US:	1-855-326-4757	

IF YOU HAVE A PHYSICAL STORE, INCLUDE STORE LOCATOR ICON IN HEADER OR MENU









KEEP THE MENU ON ONE PAGE, USE A DYNAMIC MENU OR EXPANDERS

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farfetch.com

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INCLUDE POST-SALES ACTIONS IN THE MENU

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What are	you looking for?	Q
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Shop		
Sport		
Collecti	ons	
Inside F	atagonia	
Custom	er Service	
	ount	

Bonus: CONSIDER A FLOATING MENU THAT STICKS AS USERS SCROLL







Trending in Womenswear

- Citizens Of Humanity Liya Jeans
- Roger Vivier Sneaky Viv Slip-Ons
- Marni Fussbett Sandals

Search

Creating frictionless experiences across the funnel (RETAIL)

1. HOME/LANDING	PAGE	2. MENU & NAVIGATION	3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	
SECTION	Menu &	Navigation	Ease of implementation	Impact	Key Metric	
KEY SUGGESTION	Include	search	Hard	High	% traffic w/ searches, cvr	
	Make se	earch visible	Easy	High	% traffic w/ searches, search depth	
	Use auto-suggestions		Medium	High	Bounce rate on traffic w/ searches, search depth	
	Impleme	ent spelling correction	Medium	Medium	Bounce rate on traffic w/ searches, search depth	
	Always ı	return results	Medium	Medium	Bounce rate on traffic w/ searches, search depth	
	Include	previous or top searches	Medium	Medium	Bounce rate on traffic w/ searches, search depth	

PROMINENT SEARCH (users that search are 200% more likely to convert)



USE AUTO-SUGGESTIONS

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in Power Tools	
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IMPLEMENT SPELLING CORRECTIONS

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TOM TAILOR DENIM T-Shirt print - navy 29,99 € ab 22,99 €





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Search results for "cupboard"	7
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Refine Recommended	
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Vicente Cupboard Vicente Cupboard	rd
by Home Etc by Home Etc £399.99 £405.99	

use of cookies. (close)

ALWAYS RETURN RESULTS



We don't quite understand "Flux compensator"

Please use our search above or the menu 😑 to find what you are looking for.

Our popular categories





▼⊿ 🗋 07:00

Q

INCLUDE PREVIOUS OR PAST SEARCHES

m.staples.com		bandq.com	
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		<u>Drill</u>	
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		Quality Kitchens, Prices	B&Q
		> Browse our ranges	
			20

Category/Product

Creating frictionless experiences across the funnel (RETAIL)

1. HOME/LANDING	PAGE 2. MENU & NAVIGATION	3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	
SECTION	Category/Product	Ease of Implementation	Impact	Key Metric	
KEY SUGGESTION	Have a value prop at every point in the funnel, including category and product pages	Easy	High	cvr, exit rate after add to cart	
	Allow users to sort/filter large number of products easily	Medium	High	bounce rate on category/search pages	
	Make sure filtering is useful	High	High		
	Add urgency elements	High	High	cvr	
	Display price info above the fold on product pages	Easy	High	Add to cart, cvr, bounce rate	
	Make sure product descriptions are readable	Easy			
	If large number of products, add reviews	High	High	time on site, cvr	

INCLUDE VALUE PROP AT EVERY STEP OF THE FUNNEL, INCLUDING CATEGORY & PRODUCT PAGES





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ENABLE USERS TO EASILY SORT/FILTER FOR PRODUCTS

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8	More options availa KONG Classic Dog Price: \$7.49 to \$24.9 see details	Тоу
MAKE SURE FILTERING IS USEFUL

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	ASOS Co	Asos Jeans Style	O AVERAGE	RATING +
				e +
		Denim Wash Color	O SIZE	+
			O SPORT	+

HAVE PRICE INFO ABOVE THE FOLD ON PRODUCT PAGES





Other Tales of Terror



target.com

\$14.99

***** 125 0 5

Women's High Waisted Legging - Mossimo Supply Co.™ (Juniors') shop this collection shop all Mossimo Supply Co.

color Black

size size chart

vI.



ADD URGENCY ELEMENTS





	rei.com
0	_
	▼⊿ 🗎 07:00
Silver Streak	1 of 7
	3.99 \$260.00* ED PRICE You Save 25%
Select Size: S	Size Chart
XS S M	
(3 sizes)	
Select Color	
1	
(2 colors)	
Quantity	
1	
	Add to cart
Find in store	Add to wish list
A Shipping restriction Shipping restriction Shipping For Ships for Shipping Sh	ons apply. Find out the details
HURRY, this item on s limited.	ale through 5/29. Quantities

Urgency is a powerful **motivator**, if done well. There are 3 ways to create urgency:

- Quantity limitations (Only 3 tickets left at this price)
- **Time limitations** (Discounted tickets until July 1st)
- **Contextual limitations** (Father's Day is coming, get a gift now)

MAKE SURE PRODUCT DESCRIPTIONS ARE READABLE (use bullets, easy to skim content)



Free domestic U.S. ground shipping

REITERATE VALUE PROP AT CONVERSION POINT



1

\$29.95

\$7.00

Sign In

 \times

Bonus: MATCH BROWSER ELEMENTS TO YOUR BRAND (INFO HOW, RESEARCH)







Conversion

CONVERSION CHECKLIST

1. HOME/LANDIN	IG PAGE 2. MENU & NAVIGATION	3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSIO	N 6. FORM OPTIMIZATION
SECTION	Conversion		Ease of implementation	Impact	Key Metric
KEY SUGGESTION	Don't redirect into checkout after adding	to cart	Medium	High	pages/visit, cart size, AOV
	Re-iterate value prop (typically free shipp	ing) in the cart	Easy	Medium	CVR, exit rate
	Allow users to update their carts (change	e quantity with steppers, remove)	Medium	Low	CVR, exit rate
	Allow users to continue on another devic	e by emailing or saving for later	High	High	cross device conversions, track as micro-conversion
	Limit your exit points during the conversi	on flow	Medium	High	CVR, exit rate
	Allow checkout as guest		Medium	High	CVR, exit rate
	Let users sign up/sign in with social		Medium	Medium	CVR, exit rate
	Add value prop around why someone she	ould create an account	Easy	Medium	Signup rate, exit rate
	Use pagination or a progress bar if more	than 2 steps in conversion flow	Medium	High	CVR, exit rate
	Have descriptive CTAs		Easy	Low	CVR, exit rate

DON'T REDIRECT AFTER ADDING TO CART







FACILITATE X-DEVICE MOVEMENT IN THE CART

zumiez.com	
0	
= a zumiez 🕅	07:00
MY BAG	
SUBTOTAL (?)	\$69.95
SHIPPING (?) → YOU QUALIFY FOR FREE SHIPPING	FREE
TAX (?)	TBD
TOTAL	\$69.95
This purchase will earn you 6,995 Stash Points	(7)
🗈 Checkout	
🛥 EMAIL MY BAG	





Bonus: UPSELL IN CART







ALLOW CHECKOUT AS GUEST



▼⊿ ■ 07:00 ▼⊿ ■ 07:00 ▼⊿ 🗎 07:00 Login Verify Password **Returning customer** Remember Me E-mail I'm not a robot CREATE ACCOUNT **reCAPTCHA** Password Privacy - Terms Have an account? SIGN IN HERE ~ Keep me signed in sign in ACCOUNT BENEFITS Sign in Enjoy these perks with your free account! Checkout as Guest Forgotten your password? Faster checkout Save time now and proceed directly to checkout. · Full rewards program benefits An account is not required to complete your purchase. New customer · Earn credits with every purchase However, you can enter a password on the final checkout page to complete your account registration. · Manage your wishlists Enter your e-mail address to continue with your · Curate your own collections purchase. If you wish, you can create an account later. Make microcredit loans checkout as guest · Spread happiness around the world E-mail I wish to receive the newsletter ~ sign up for email

ADD VALUE PROP AROUND WHY CREATE AN ACCOUNT

Additional: DON'T MAKE USERS CONFIRM ACCOUNT INFO

	•	
	Last Name	
	Email / Login Information * REQUIRED	
	* Email * Confirm Email	
	* Password	V
	Must include at least 1 number, 1 uppercase letter and 1 special character (e.g. 1@#\$%^&*) 8-25 characters	
-	* Confirm Password	
	Receive emails about new products, sales and store events. Patagonia does not share or sell personal info. See	
	Privacy Policy	

	▼⊿ 🗎 07:00
Ξ	WARBY PARKER 👮 (1)
	Create an account
	FIRST NAME
	LAST NAME
	EMAIL ADDRESS
	PASSWORD
	Create account >
	By creating this account, you agree to the Terms of Use and Privacy Policy

LET USERS SIGN UP WITH SOCIAL ACCOUNTS

▼⊿ 🗎 07:00	▼⊿ ∎ 07:00
CISOS CHECKOUT	Guest Checkout
NEW TO ASOS? ALREADY REGISTERED?	CONTINUE AS A GUEST
SIGN UP WITH	You can create an account at the end of checkout.
FACEBOOK	Returning Account Holders
G+ GOOGLE	Email Address
0. 00000	Enter your email address
	Password
	Enter your password
Signing up with social is super quick. No extra passwords to remember - no brain fail. Don't	EXPRESS CHECKOUT
worry, we'd never share any of your data or post anything on your behalf #notevil	Forgot password?
OR	Or Sign In Using 👩 😵 🍺

92% of users give up if they don't remember a username or password.

CONSIDER INTEGRATING GOOGLE IDENTITY ONE TAP SIGN UP (2-4x higher sign-up rates)

Sign in users automatically when they return to your site on any device or browser, even after their session expires. More info

Hote	I Guides for	the Most Po	opular U.S. (Cities
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	Chippy Mu chippy@hip			
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Sign up new users with just one tap, without interrupting them with a signup screen. Users get a secure, token-based, passwordless account on your site, protected by their Google Account. <u>More info</u>,



One tap sign-up

Automatic sign-in

Bonus: USE CREDENTIAL MANAGER API (aka SMARTLOCK) TO REDUCE FAILED SIGN IN LATER Detect & Save



Autofill next time





Why:

Most popular password (2015): **12345** 2nd most popular: **password** 3rd most popular: **123456**

8 billion assisted sign ins per month Works across devices

What:

- Saves password to browser
- Auto-signs in returning users

Google Developers implementation docs:

- Streamlining the sign-in flow using credential manager API
- Integration guide

Research:

-

LIMIT EXIT POINTS DURING CONVERSION FLOW

(only allow uses to go to homepage, back to cart or contact support... NO menu)

juniqe.com	
🗢 🖌 🗎 n7-nn	
JUNIQE	
Address Payment Order review	
ADDRESS INFORMATION	
Billing address	
Title	
	
First name •	
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Last name •	
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Address line 2 / Company	
Zip/Postal Code •	

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1. Shipping A	Address	2	3	4
Shipping Add	ress			
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Yes, I would like to receive updates from Petco & partners.				
* Address Line 1				

ao.com			
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Delivery Details Payment			
Delivery Method			
Click & Collect			
✓ Collect from over 5,800 local stores, including Spar, Londis and Costcutter			
 You'll receive a text when your parcel's ready, with 10 days to collect 			
 Express and free delivery available 			
Choose Click & Collect			
Rome Delivery			
 Delivered to your door, on a day that suits you 			
 Delivery from 7am to 7pm, we'll text you a timeslot on the day 			
 Next day and free delivery available 			
Choose Home Delivery			

USE PAGINATION IF MORE THAN TWO STEPS IN CONVERSION FLOW

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	petco.	• ▲ ■ 07:00 • • • • • • • • • • • • • • • • • • •
Address Payment Order review	1. Shipping Address 2 3 4	Delivery Details Payment
ADDRESS INFORMATION	Shipping Address	Delivery Method
Billing address Title First name*	* First Name * Last Name	 Click & Collect Collect from over 5,800 local stores, including Spar, Londis and Costcutter You'll receive a text when your parcel's ready, with 10 days to collect Express and free delivery available
Last name•	* Phone * Email	Choose Click & Collect
Address • Address line 2 / Company	Yes, I would like to receive updates from Petco & partners. Privacy Policy * Address Line 1	 Delivered to your door, on a day that suits you Delivery from 7am to 7pm, we'll text you a timeslot on the day Next day and free delivery available
Zip/Postal Code •		Choose Home Delivery



SHOW SUMMARY BEFORE THE CHECKOUT. ONCE CONFIRMED, SHOW WHAT HAPPENS NEXT.



Form Optimization

Creating frictionless experiences across the funnel (RETAIL)

1. HOME/LAN	IDING PAGE			3. SEARCH	4. CATEGORY/PRODUCT	5. CONVERSION	6. FORM OPTIMIZATION
SECTION	Form Optimiz	zation			Ease of implementation	Impact	Key Metric
KEY SUGGESTION	Use inline valio	lation & autofill			Medium	High	Exit rate
	Reduce numbe	er of fields	• l • l	Remove optional fields Jse full name instead of first/last Hide company and address line 2 Check billing as shipping by default	Medium	High	Exit rate
		downs for inputs ons, instead opt			Easy	Medium	Exit rate
	Use steppers, field input for r rather than larg				Easy	Medium	Exit rate
	Use correct ke	ypads			Easy	Medium	Exit rate

Typing on mobile is hard me_every_time@

USE INLINE VALIDATION & AUTOFILL

In-line valida	ition	In-line validation	•
Payment details	▼⊿ 🖹 07:00		First name
Hurry, that's the cheapest room at De Hotel London - Westminster! Book it		Email address	d
First name		Thaselbeck@google.com 🗸	Last name
John	✓	We'll send your order confirmation here	
Last name		First name	Address
Meyer	~		
Card number		We need your first name – it's nicer that way	Apt
1111		Last name	ore St Claire S
Your credit card number appears to be incorrect. Please check it and try again.		Haselbeck 🗸	q w e
Card type		Password	aso
Card Type 🛟			ast
Security code		Must be 6 or more characters and contain at least 1 number	☆ z >
		Date of birth	123 😅 🖟

		A	uto	fill			
							07:00
First name							
d							
Last name							
Address							?
Apt	aire 920) Hami	iton A	10		~	~
		/ maini		ve	^	×	×
q w	е	r t	:)	/ L	1	ilo	р
a s	d	f	g	h	j	k	I
٥Z	x	с	v	b	n	m	\bigotimes
123	•		spa	ce		0	€o

REDUCE THE NUMBER OF FIELDS

Use full name	
Back	
Full name	
Address line 1	
Address line 2	
City	
State/Province/Region	
ZIP	
Phone number	
United States \$	
Use this address	
Not Claire? Sign Out	

Use Google Places Autocomplete API (<u>link</u>)	
THREDUP	
1. Shipping Info	
First Name	
Claire	
Last Name	
Illmer	
Street Address	
534 DIVISADERO ST	
534 Divisodere Street, San Francisco, CA, United States	
534 Divisadero Street Fresno, CA, United States	
534 Divisadero Street Mendota, CA, United States	
534 Divisadero Street Pacific Grave, CA, United States	
534 Divisadero Street Visatia, CA, United States powered by Google	
poneted by Google	
Shipping options (estimated)	
 Standard Shipping (3-8 business days) \$5.99 	
Expedited Shipping (1-3 business days) \$11.99	

	Check billing as shipping by default
	▼⊿ 🗎 07:00
	Zip Code *
	Phone *
	Email *
+	Shipping same as billing address
	ENTER PAYMENT INFO
	TOP OF PAGE
	FOLLOW US 🛩 f 💿 🏂
	great BIG canvas [.]

REDUCE NUMBER OF CHECKOUT FIELDS

Back	
Full name	
Address line 1	
Address line 2	
City	
State/Province/Region	
ZIP	
Phone number	
United States	\$
Use this addres	s

27% of users abandon orders due to a "too long / complicated checkout process".

Best performing e-commerce sites have 6-8 fields, total of 12 form elements. Average retail checkout flow has 14.88 form fields.

Optimize forms:

- 1. Use Full name field, lose the title.
- 2. Default Billing = Shipping address.
- 3. Collapse Address Line 2 + Company Name behind a link.

Full research.

Case Study: AllYouNeedFresh



What they did:

▼⊿ 🗎 10:50

61.75€

-

0

0

- Moving delivery date options to the start of the checkout process
- Adding a "continue to checkout" call to action in the basket at the bottom of the checkout
- Automatically determining the customer's credit card type rather than having users select from a drop-down
- Matching field length to the length of the input
- Exposing title options through segmented controls
- Using labels instead of placeholders for form fields
- Enlarging the "save" call to action and making it more noticeable by adding contrast

Results:

Transactions via mobile grew **51%** Mobile CVR improved **14%** Drop-offs from order confirmation page dropped by **21%** <u>Case study link</u>

DON'T USE DROP DOWNS IF LESS THAN 3 OPTIONS

	▼⊿ 🖿 07:00		< Checkout	1 07:00
← MANGO Dispatch and pay			1. Delivery	
Delivery methods			Promotional code or gift voucher	
Home delivery - Free Delivery in 2 to 5 working days	~		Collect from store Delivery in 5 to 15 working days	Free
Shipping address		VS.	 Home delivery Delivery in 1 to 4 working days 	€ 5.95
Max van der Heijden Test, Test			78 The Lighthouse, George's Street Lower	NA >
W11 2BQ United Kingdom max.v.d.heijden@gmail.com			Continue	
07123456789			2. Payment	
Edit			3. Order summary	

Case Study: AllYouNeedFresh



*Plichtfelde •

6

KASSE

▼⊿ 🗋 10:50

61,75€

0

Nachname*

0

What they did:

- Moving delivery date options to the start of the checkout process
- Adding a "continue to checkout" call to action in the • basket at the bottom of the checkout
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Transactions via mobile grew **51%** Mobile CVR improved 14% Drop-offs from order confirmation page dropped by **21%** Case study link

USE THE CORRECT KEYPADS (PHONE, ZIP, CREDIT CARD)

VS.







Thank you



How to make sure we have best discovery on Mobile for retail company?

Mariusz Gąsiewski

Mobile in Ukraine is great story...

^{100%} % of onliners accessing the internet with different devices



Goode Source: Connested Consumer Study, 2017, Ukraine
Mobile is Ukraine is strong

Share of mobile queries in category: "Personal electronics", Q4 2017



Google Source: Google internal data

...although a lot will be coming yet

Share of mobile queries in category: "Personal electronics", Q4 2017



It is about orders as well!



Google

It is about orders as well!



Share of onliners 16 years and older who shop at least as frequently via smartphone as via desktop devices

It is really great story!



Working with mobile is different story...





Think about whole user journey



It is the biggest priority for 2018

Important Areas for Their Future Digital Marketing Plans According to Client-Side Marketers Worldwide, by Region, Jan 2018

% of respondents

	North America		Europe
Optimizing the customer journey across multiple touchpoints	77%	69%	68%
Ensuring consistency of message across channels	s 66%	63%	61%
Training teams in new techniques, channels and disciplines	56%	62%	58%
Understanding how mobile users research/ buy products	45%	53%	46%
Using online data to optimize the online experience	44%	51%	44%
Understanding when and where customers use different devices	40%	47%	38%
Using online data to optimize the online experience	40%	46%	36%
Note: n=3,110; "very important"; over the next fe Source: Econsultancy and Adobe, "Digital Intellige Trends," Feb 13, 2018	ew years ence Brief	ĩng: 2018	8 Digital





Discovery: category "Apparel" in Ukraine as example

0,66 33% Desktop research Smartphone research 0,67 43% Desktop research Smartphone research Smartphone research Smartphone research







066

Google Source: Mobile in path to purchase

Conversion rate is 3x lower on Mobile..

Conversion Rate by Device	Q3 2016	Q4 2016	Q1 2017	Q2 2017	Q3 2017
Desktop	3.92%	4.49%	4.01%	4.06%	4.05%
Smartphone	1.14%	1.57%	1.47%	1.59%	1.56%
Tablet	3.29%	3.89%	3.38%	3.76%	3.69%

0,38

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What about "Adding to cart"?





zen-cart-modules.com/index.php?h C 🔋

🛒 🛡 🖌 🛢 2:5

Details:

П C + + O H

XTunes is a really slick media player, with full media controls for playback, volume, rewind, fast forward etc. XTunes uses the embedded Winspy media player, thus zeroiding having to invoke a 3rd party player like Real Player.

This makes the listening experience for the customer much more immediate rather than having to wait for the player to load and start playing.



Add-to-Cart Rate by Device	Q3 2016	Q4 2016	Q1 2017	Q2 2017	Q3 2017
Desktop	11.02%	12.14%	11.19%	11.34%	11.34%
Smartphone	7.48%	8.89%	8.11%	8.55%	8.08%
Tablet	10.40%	11.90%	10.86%	11.59%	11.68%

Akamai report

- one month's worth of anonymous user data from top online retailers
- 10 billions of visits



loogle

Optimal load times for peak conversions ranged from 1.8 to 2.7 seconds across device types.



Influence of website delay on Bounce rate



with 1 second delay

Source: Online Retail Performance Report 2017

Google

Influence of website delay on Conversion rate



with 2 seconds delay

average mobile load time

over 3G connections in Ukraine

Quality of internet in Ukraine

S	peec	ltes	t Global Index October 20	
	108		Tanzania	8.67
	109	+5	Sudan	8.30
	110	+2	Ukraine	8.22
	111	+2	Venezuela	7.94
	112	-	Uganda	7.83
	113	+2	Bosnia and Herzegovina	7.57
	114	-5	Uzbekistan	7.26

Source: https://www.speedtest.net/global-index

Google

Reducing load time by 36% led to

10.5% increase in orders27% increase in conversion rates

- AliExpress

sooale

Source: https://edge.akamai.com/ec/us/highlights/keynote-speakers.jsp#edge2016futureofcommercemodal

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Winning on Mobile

Winning on Mobile

Many factors contribute to an engaging mobile experience. And speed is chief among them. Most people will abandon a mobile site visit if the page takes more than a few seconds to load. Use our Speed Scorecard to see how your site stacks up to the competition.

		United St	ates		
🕀 Enter y	our domain to start your score	card (e.g., yoursite.com)		-)	>
Speed	Scorecard			<	:
Rank	Domain	Speed	0		
1					
2					
4					

Google

Dataset Details: chrome-ux-report:all

HOME	CHROME DEVTOOLS	LIGHTHOUSE	PUPPETEER	WORKBOX	CHROME USER EXPERIENCE REPORT	
	e User Experience Report 🌐	Chror	ne User I	Experier	nce Report	Internal: Count: 188, Average: 4.3
Get	ting Started		e User Experience rience popular des		s user experience metrics for how real-world Chrome web.	

Methodology

The Chrome User Experience Report is powered by real user measurement of key user experience metrics across the public web, aggregated from users who have opted-in to syncing their browsing history, have not set up a Sync passphrase, and have usage statistic reporting enabled. The resulting data is made available via:

- PageSpeed Insights, which provides URL-level user experience metrics for popular URLs that are known by Google's web crawlers.
- Public Google BigQuery project, which aggregates user experience metrics by origin, for all origins that are known by Google's web crawlers, and split across multiple dimensions outlined below.

Metrics

Joogle

Dataset Details: chrome-ux-report:all

C 🟠 🔒 Secure https://bigquer	y.cloud.google.com/datas	et/chrome	-ux-report:all				🛧 💶 🔄 🚠 X
Apps 🗎 Autobidding 🗋 trending_upOppor	tu 🗎 Most important 🗎	OLX naro	nik 🗎 Cloud	🗎 Play	E Measurement	* Bookmarks	GA NameCheap - Go
Google BigQuery							
Compose query Query History Job History Filter by ID or label api-appsbackup-pa	Dataset Details: o Description Describe this dataset Details	chrome	-ux-report	all:			
Apr-appsoackup-pa	Default Table Expiration Data Location Labels	Never US None	Edit				
<pre>r chrome-ux-report v all 10 201710 11 201711 11 201712 11 201801 b chrome_ux_report b country_ae b country_ae b country_af b country_ag</pre>	Tables						
▶ country_ai ▶ country_ai							Termin

What is business outcome of speeding up your website?





What you thinkyou've built

What you actually built

Source: "Pushing the Pear County Chopper uphill" by Todd Lappin | https://www.flickr.com/photos/telstar/58219209/



What is AMP?





- 4x faster
- 10x less data
- <1 second</p>

Google



Difference in speed coming from AMP

Ebay Prerendered	Ebay Canonical	Ebay From Cache
CO CO CO CO CO CO CO CO CO CO CO CO CO C		
iphoneX site:ebay.co.uk X Q		
ALL IMAGES SHOPPING NEWS VIDE		
Did you mean: <i>iphone X</i> site:ebay.co.uk		
Apple iPhone X eBay O https://www.ebay.co.uk > Apple		
Results 1 - 48 of 540 - Brand new, but opened iPhone X unlocked. This was purchased through Sky mobile on Saturday, but has work on that		
Sim and my Vodafone work Sim. The phone has been opened to play about and set up, but it's just too		
Apple iPhone X eBay https://www.ebay.co.uk - Apple-iPhone-X		
0.0	0.0	0.0
0.0	0.0	0.0

Google

It really makes a difference for a user!





49% increase in search-toconversion rates

95% increase in partner's conversion rates

Demo link: <u>https://www.wegotravel.co.uk/fli</u> <u>ghts-to/edi/cheap-flights-to-</u> <u>edinburgh.amp</u>



ベリーナ

28% increase in online orders from mobile

8X average page loading time reduced to 0.62 seconds—8X faster





Source: http://apac.thinkwithgoogle.com/case-studies/japanese-retailer-belluna-mobile-experience-leads-impressive-sales-lift.html and the second studies of the second studies



Fast, interactive pages with AMP

- 8% increase in conversion
- 36% increase in revenue

"The AMP pages allowed various product teams to realize how large our regular mobile web pages were and how slow they load."

- Overstock



Greenweez (Carrefour)

Faster pages = more mobile revenue

"Thanks to our technical team agility and Arcane, our Data & Media Agency, we managed to migrate our mobile pages to AMP in less than 2 months"

Simon Le Fur, General Manager Greenweez





Zalando example

"Pagespeed is a strategic lever for performance marketing optimisations.

At Zalando, we clearly see how already small improvements impact customer experience and finally our overall business KPIs"

Julia Stern | VP Performance Marketing | Zalando





80% of development teams build AMP Landing Pages in less than 1 week.



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AMP is built on 3 core components



Example AMP components (ampbyexample.org)



Components

AMP components in action. Learn how to build AMPs using the built-in components.



You do not need to limit your creativity



Google





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Using AMP for building websites



aliexpress.com

- Full commerce site built with AMP
- Load time down < 3s



Google

Brands using AMP to improve speed & performance



AMP format usage continues to grow









O AMP

Research "Total Economic Impact of AMP" is proving value added coming from AMP



U.S. XPRESS

5X increase in page load speed

\$1M yearly projected savings

62% lift in conversion rate



Event Tickets Center - ticket sale

Results:

- Bounce rate decreased **by 10%**
- Conversion rate increased by 20%



event Stickets E ETC is a resule marketplace, not a box office or venue. Toket proce may be above face value. CATS AT NEIL SIMON THEATRE - NEW YORK, NY				
THU Dec 14, 2017 7:00 PM	Cats Neil Simon Theatre New York, NY			
FRI Dec 15, 2017 8:00 PM	Cats Neil Simon Theatre New York, NY			
SAT Dec 16, 2017 2:00 PM	Cats Neil Simon Theatre New York, NY			
SAT Dec 16, 2017 8:00 PM	Cats Neil Simon Theatre New York, NY			
SUN Dec 17, 2017 2:00 PM	Cats Neil Simon Theatre New York, NY			
SUN Dec 17, 2017 7:00 PM	Cats Neil Simon Theatre New York, NY			
Q	0			

AMP in AdWords



AMP In AdWords

LAUNCHED

AMP in AdWords

- Reduced load times by 84% (to 0.6sec)
- Increased AdWords conversions +19%
- A/B tested AMP performance in AdWords



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AMP Start (ampstart.com)





AMP By Example (ampbyexample.com)



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For full roadmap:

ampproject.org/roadmap

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Э АМР	≡		
ROADMAP JANUARY 29, 2018			
End-Q4 2017			
	0		
This page presents a quarterly ov	erview		
of the planned features and			
enhancements to AMP. Projects are			
organized according to core focus	s		
areas.			
This page will be updated twice per qu	uarter:		

- The *mid-quarter update* will provide the first listing of the current quarter's new priorities and present status of projects. In addition, a forecast of priorities for the following two quarters will be provided.
- The end-of-quarter update will present the

Dynamic, up-to-date and actionable emails

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Google					Q	∷ 0	0
Gmail •	-	0 0	i III-	Nore v	<	> 0	
COMPOSE Custom hom		nefeeds!	x				
Inbox I Pinterest Important to me e Serit Mail Drafts		Doodle			10:12 AM (1 hou	rago) 🔆 🔸	•
	Hi Michael Scott, Your poll is live a event. See how it		closer to finding the be	est time for your			
		Content below up	dated a few moments a	90			

AMP for Email

ANNOUNCED

Sign up for the Gmail Developer Preview of AMP for Email: g.co/AMPforEmail

New (experimental): <amp-datepicker>

 New date picker is now available for experimenting with

Details: ampproject.org/latest/blog







Thank you



The most efficient ways to optimize speed of mobile assets

Grygorii Krutii

Cognitive load associated with stressful situations



The level of stress caused by mobile delays was comparable to watching a horror movie

Source: Ericsson ConsumerLab, Neurons Inc., 2015

Users asked what is most important



We crawled 150K+ mobile landing pages and found that...



"You need your page to weight less than 1Mb to display in 5s on a first view for a fast 3G"

And this is easily solvable!



of pages can save over 300KB

of pages can save over 1MB

of pages can save

each by properly compressing images and text

That's a lot of money!



Mobile pages that load 1s slower see up to +56% in bounce rate



Google

Bounce rate (%)

Mobile pages that load 1s faster see up to +27% CvR



• Conversion rate (%)

Source: "Mobile performance conversion rate"

Google

Google Webmaster Central Blog

Official news on crawling and indexing sites for the Google index

Using site speed in web search ranking Friday, April 09, 2010

Webmaster Level: All

You may have heard that here at Google we're obsessed with speed, i and on the web. As part of that effort, today we're including a new sig ranking algorithms: site speed. Site speed reflects how quickly a web web requests.

Speeding up websites is important — not just to site owners, but to al Faster sites create happy users and we've seen in our internal studies responds slowly, visitors spend less time there. But faster sites don't j experience; recent data shows that improving site speed also reduces Like us, our users place a lot of value in speed — that's why we've dec speed into account in our search rankings. We use a variety of source speed of a site relative to other sites.

Google Webmaster Central Blog

Official news on crawling and indexing sites for the Google index

Using page speed in mobile search ranking

Wednesday, January 17, 2018

People want to be able to find answers to their questions as fast as possible — studies show that people really care about the speed of a page. Although speed has been used in ranking for some time, that signal was focused on desktop searches. Today we're announcing that starting in July 2018, page speed will be a ranking factor for mobile searches.

The "Speed Update," as we're calling it, will only affect pages that deliver the slowest experience to users and will only affect a small percentage of queries. It applies the same standard to all pages, regardless of the technology used to build the page. The intent of the search query is still a very strong signal, so a slow page may still rank highly if it has great, relevant content.

We encourage developers to think broadly about how performance affects a user's experience of their page and to consider a variety of user experience metrics. Although there is no tool that directly indicates whether a page is affected by this new ranking



Measuring the mobile speed

The most meaningful metric



Speed Index: 2309

Speed Index is the

average time at which visible parts of the page are displayed.

The speed Index : speed perception

0.9s



1.6s

Google

Get your speed index with webpagetest.org

🙉 WEBPAGETEST	NEW ON-DEMAND WEBINAR: High Performance Images - Beautiful Shouldn't Mean Slow VIEW WEBINAR)	Ghama
TEST RESULT	TEST HISTORY FORUMS DOCUMENTATION ABOUT	
Test a website's	performance	
C Analytical Review 🗇 Vi	teual Compartson (r. Traceroute	
Enter a Website URI		START TEST
	Inland - EC2 (Chrome JE 11 Firefox) 8 Select from Map	Provided by
		Akamai
Advected Settings 7	Chone 0	
Test Settings Advanced	Chrome Auth Script Block SPOF Custom	
Connection	Mobile 3G - Fast (1.6 Mope/708 Kops 150ms F ¢	
Number of Tests to Run 1979 7	3	
Repeat View	First View and Repeat View Crity	
Capture Video	0	
Keep Test Private	0	
Label		

webpagetest.org/mobiletest

- Connection: 3G
- Number of tests: 3
- First View Only
- Chrome (tab) : Emulate Mobile Browser (e.g. Nexus 5)

How to optimize your mobile speed?



Three steps to ensuring your mobile pages are speedy 1) Check easy to use tools before and after launch

1) Create a shared performance budget

1) Design for mobile with speed in mind

e

2) Create a shared performance budget across teams





Speed Index Based on <u>WPT</u> on 3G

< 4 seconds</p>

First Contentful Paint

< 2 seconds

Page Weight total number of bytes

() 1.0 MB

2
3) Design for mobile with speed in mind

Images



The majority of a webpage weight is due to images

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Download & shrink: don't do it!





1800 x 1200px

Img{ max-width:100%;

Compress your images



8.4 KB 414 x 150

8.8 KB 414 x 150



Proprietary + Confidential

Optimize images Above the fold

Inline ATF image on the HTML response



<img alt="Echo Dot" src="data:image/jpeg;base64,



2

Proprietary + Confidential

Loading on demand thanks to Lazy Loading

Lazy loading



Lazy loading allow you to trigger the image download before the user need it.

https://github.com/aFarkas/lazysizes

Lazy loading: images placeholder



Proprietary + Confidential

Who

has a slider on mobile?



Why removing sliders from mobile?



- Needs loading of many images and JS
- Low performance
- First screen collect most part of the clicks
 - Movement causes user distraction
 - Moving while reading causes user frustration
- Gives additional accessibility problems
 - It seems an advertising banner

The truth is, nobody clicks on the second image

ND.edu Feature Click-Through Rate



Why removing sliders from mobile?

	4s																		23s	
8.0e	4.2e 19725/12/00/012	5.0s		7.0e	8.04	9.00	50.0e	11.68	12.0s	53.0e	14.00	15.0e	16.0e	17.04	18.06	19.06	20.0a	21.0+	22.0+	23.04
		SOLDES	SOLDES	SOLDES																
	10000002																			
		SOLDES	SOLDES,	(<u>1335)no</u> , 2000	e .		Lastine con	-	- -	-	4	Charling com	Contract open	-		SOLDES	SOLDES	SOLDES		

3.5s

6.5s

3.0e	3.5+	4.06	4.5e	5.0e	5.Se	6.0s	6.5e
		B 1222 5 8 8	Bonn 2.4.4	Base 5 5 5	Carl S & A	1 Carl 1 C 1	1000 A 8 4
					13 BIG		
					2151		
				Base 5 8 8			1
	603 TETTE	801 TTTT	601 TTTT	801 mmm.	601 tarta	101 TITT	601
	BIG						
	and a second second	A DECK OF THE REAL	AND A DESCRIPTION	A REAL PROPERTY.			
	· · · · · · · ·	No. of the local division of the local divis	AN	124 July 12			



Overusing fonts can slow down your website and scare your users away!

Proprietary + Confidential

HOW to optimize my JavaScript loading ?!

Optimize your JS loading

Move the JS in the footer of your HTML (as much as possible!)



Proprietary + Confidential

HOW to optimize my CSS loading ?!

.

Optimize CSS loading



<style> Inlined critical CSS </style>

<script> Load every other CSS file in async </script>

Non-critical CSS async loading

	0.0e	0.5e	0.2e	0.3e	0.4e	0.5+	0.6e	0.3e	0.8+	0.9e	1.0+	1.30	1.2+	1.3+	1.4s	1.5+	1.6e	1.70	1.0+	1.94	2.0e
e, entainebrosseuit.com/pr										SoundLas	SoundLas	SoudLeb	SoundLab	SoundLas	SoundLas	SoundLab	SoundLab	SoundLas	SoundLeb	SoundLes	SoundLab
										Concession in the local division of the loca		and the second second								100 C	and the second
																		2.101			
e, entrinebrosseuit.com/pr																	Sound Les	Sound Les	SoundStep		

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Technologies built with speed in mind:

Accelerated Mobile Pages

Load in <1 second



Lightning fast

Flexible and customizable



Easy to implement



https://goo.gl/2BbGGh

Thank you!



Case Study - Szkla.com



- Online store with contact lenses and glasses
- One of the industry leader in Poland
- Founded in 2004
- Based in Krakow



Gooale

- Over **45%** of traffic on the website comes from smartphones
- Page loading time on a smartphone: over **17.2 seconds**.
- Very poor conversion of the mobile site compared to desktop
- No completely responsive mobile site



Page speed - benchmark







2

Page speed - benchmark









Solution to the speed problem:

- Implementation of full responsiveness
- Identification of elements blocking the page display
- Adjusting the volume of images on smartphones



The speed of page loading after implementation of all changes recommended by Google



Loading time: Fair

Estimated visitor loss (Due to speed)



The following recommendations could reduce loading time by ~3 seconds.



"Due to the fact that all pages of our website are responsive, we have seen a huge increase in conversion rate. Forcing users to zoom in on the screen by" tweaking "is a cardinal error in today's Internet world.

> - Tomasz Serafin, CMO, Szkla.com

Solution to the problem of increasing orders via a mobile website:

- Improvement of User Experience on the site
- Facilitation of efficient and quick order by the website or by calling the call center





No possibility of calling directly from the website

Two "floating" buttons with the possibility of calling

♥⊿ 🗎 10:5

EXTRA COMFORT



Inconvenient navigation through product categories



Large, easy-to-select panels with product descriptions.

 \sim



Inconvenient menu, with many sub-categories, covering most of the screen



Flat in structure, easy to navigate, pop-up menu

2



Promotions that aggressively interrupt the purchase process (pop-up)



Promotions placed on a little aggressive banner

 \sim

Results after the implementation of changes

- Revenue from the mobile site increased by **60%** (year on year)
- Cross-device conversions have increased by **55%**


Thank you!



Coffee break



What you can do to increase engagement on mobile assets?

Mariusz Gąsiewski

Engagement vs Discovery



Mobile website should be your priority

"Only the most loyal will go to the trouble to download and use it ... but when it comes to actually researching products, they prefer the mobile web."

Brendan Miller, principal analyst at Forrester

pwc | Global

PwC Global > Industries > Consumer markets > Total Retail survey > Key findings

Invest in the mobile site, not the mobile app

35% say the mobile/smartphone will become their main purchasing tool.



Source: https://www.pwc.com/gx/en/industries/retail-consumer/total-retail/total-retail-key-findings.html

Mobile website insights

68%

they do not need an app to learn about, browse or make purchases from a brand on their phone 87%

can be loyal to a brand without having the app on their phone **63**%

when a brand forces them to download their app to access a deal, they will typically delete it shortly thereafter

Number of retail apps installed by US users, % respondents

	April 2016	April 2017
None	23%	22%
1 арр	8%	12%
2 apps	10%	10%
3 apps	9%	12%
4 apps	8%	6%
5 apps	6%	6%
6-10 apps	21%	19%
11+ apps	16%	15%

Note: ages 18+; numbers may not add up to 100% due to rounding Source: comScore Inc., "State of the U.S. Online Retail Economy in Q1 2017," May 10, 2017

Sou 227253

Retention of some apps (leaders in their categories)

	D2	D7	D14	D28
Airline	28%	11%	5%	4%
Electronics	22%	12%	8%	6%
Travel/Hotels	20%	9%	5%	4%
Fashion	30%	16%	11%	9%
Bank	33%	26%	23%	20%
Gaming	51%	35%	27%	22%

Engagement vs Discovery



What web can do today?

https://whatwebcando.today/

	What Web Can Do Today Can I rely on the Web Platform features to build my ap An overview of the device integration HTMLS APIs	
√ Pesture a	wallable in your current browser 🗙 Reature not available in you	r current browser
Native Behaviors	Camera & Microphone	Seamless Experience
LOCAL NOTIFICATIONS V	AUDIO & VIDEO CAPTURE 🗸	OFFLINE MODE 🗸
💭 PUSH MESSAGES 🗸	ADVANCED CAMERA CONTROLS 🗸	A BACKGROUND SYNC 🗸
▲ HOME SCREEN INSTALLATION ✓	👃 RECORDING MEDIA 🗸	INTER APP COMMUNICATION ×
D FOREGROUND DETECTION V	■ REALTIME COMMUNICATION ✓	REMENTS V
PERMISSIONS 🗸		CREDENTIALS 🗸
	Operating System	
Surroundings	OFFLINE STORAGE 🗸	Location & Position
🗴 вциетоотн 🗸	FILE ACCESS 🗸	€ GEOLOCATION ✓
🌵 usa 🗸	CONTACTS ×	GEOFENCING ×
II NFC ×	P svs X	© DEVICE POSITION ✓
O AMBIENT LIGHT ×	👩 STORAGE QUOTAS 🗸	€ DEVICE MOTION ✓
	TASK SCHEDULING X	₩ PROXIMITY SENSORS ×
Device Features		
network type & speed 🗸	Input	Screen & Output
A ONUNE STATE V	🎝 TOUCH CESTURES 🗸	T VIRTUAL & AUGMENTED REALITY 🗸
Orvibration ~		
🔒 BATTERY STATUS 🗸	CUPBOARD (COPY & PASTE) 🗸	SCREEN ORIENTATION & LOCK ~
B DEVICE MEMORY 🗸	POINTING DEVICE ADAPTATION 🗸	WAKELOCK ×

2

Check out Flutter if you are creating mobile apps

Flutter is now in Beta! Learn More.

Flutter

Build beautiful native apps in record time

Flutter is Google's mobile UI framework for crafting high-quality native interfaces on iOS and Android in record time. Flutter works with existing code, is used by developers and organizations around the world, and is free and open source.

GET STARTED

Fast Development

Hot Reload in milliseconds to paint your app to life. Use a rich set of fully-customizable widgets to build native interfaces in minutes. Quickly ship features with a focus on native end-user experiences. Layered architecture allows full customization, which results in

Expressive and Flexible UI

Docs

GitHub

Packages

Native Performance

Flutter's widgets incorporate all critical platform differences such as scrolling, navigation, icons and fonts to provide full

Support

Search



Elements are missing on the web to drive engagement.



Show content on flaky networks





Enable reliable experiences with Service Worker





Enable reliable experiences with Service Worker



First load



(*probably)

Service Worker activates after page load





Fast*

(*probably)



"Progressive" is the key to a Progressive Web App

"You use it. You like it. And over time, you progressively build a relationship with it."

Alex Komoroske, Chrome Group Product Manager

PWA technologies

Required	Recommended Features
Service Worker	Push notifications
Web App Manifest	Advanced Offline Support
App shell caching	
Splash screen	
Smooth navigation	
"Progressive enhancement" with cross browser support	



- 67% of users who are interrupted by a period of **offline** come back to browse
- 97% increase in conversion

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https://www.triva	ago.co.uk/?iPathid=3 5
.5	Excellent (2877 reviews)
800 614 £75	
M	lore deals from £77
Photos Info	Reviews Deals ×
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	the gallery you have viewed, whilst
online, are currently a	available. To view the gallery for this e reconnect to the internet.
	owne Plaza Manchester Airport
You are online	Reconnect
4	0 1



- < 500KB page size</p>
- Skeleton screens for perceived speed. Paints in 400ms
- TTI in 4.9 seconds on 1st load
- Service worker to pre cache critical resources

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美食	甜品饮品	商超便利	预订年
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After we released the ele.me PWA, our loading times have dropped significantly, transforming our mobile web experience into one of the fastest food reservation sites in China.

Spencer Yang, Product Manager of Ele.me PWA



PWA examples



Diese Website verwendet Cookies, um Ihnen den Kestmöglichen Service zu gewährleisten. Wenn Sie auf der Seite weitersurfen, stimmen Sie der Cookie-Nutzung zu. Weitere Informationen finden Sie hier.



Babista.de

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Google

III Vodafone UA 🗢 07:43 1 0 x 100% https://m.redmart.com 4 ۵ Enjoy \$15 off with the app × SHOP NOW Use '15DAPP', new customer only Q recmart 台 RESHNESS OR YOUR MONEY BACK 100 it. SHOP NOW REE delivery with UveUp LAZADA recimarti 5% rebate on every orde NETFLIX a Taobao LIVEUP E UBER LATS UBER Healthier Choice Drinks SEE ALL



m.redmart.com

BookMyShow case study



"People were using the native app and were happy with it, but their main concerns were the data usage and the memory it consumes,[..]And if they uninstalled the app and tried using the mobile browser, it didn't work the same way."

Anish Tripathi, Vice President of Design

BookMyShow case study



- 80%+ increase in their conversion rates.
- The size of the PWA is 54x smaller than the Android app and 180x smaller than the iOS app.
- The PWA takes less than 2.94 seconds to load (3G)
- ...and 4 seconds (2G)
- PWA enables checkout within 30 seconds.

Send web push notifications







System level notifications, like apps

Ask to notify users with specific information

Can send notifications even when page closed



Google



72%

increase in time spent for users visiting via a push notification

26%

increase in average spend per visit by members arriving via a push notification

+50%

repeat visits within 3 months

Jumia has seen success with push notifications

Users that enabled push notifications made

9X more

more conversions on previously abandoned carts







PWA Directory

https://pwa-directory.appspot.com/



PWAs are a cross-browser initiative







"PWAs don't work on iOS"



higher conversion on iOS

and +104% across all browsers



higher engagement across all browsers ('time spent')



AMP to start fast – PWA to stay fast

AMP



How AMP and PWA complement each other

AMP **PWA** First delivery can be slower Reliable, instant delivery Not easily embedded **Optimized discovery** Access latest Web APIs No Javascript Support dynamic content Static content

2

AMP to PWA : Warm-up PWA using amp-installserviceworker

<amp-install-serviceworker>





AMP loads instantly, and silently installs Service Worker to "warm up" PWA



Once user navigates to site from AMP, content loads instantly

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kong	a phones			×	Q
ALL	SHOPPING	IMAGES	NEWS	VIDEOS	MA.

Blackfriday Phones & Tablets | Buy Phones & Tablet Online | Konga Nigeria www.konga.com > phones-tablets

AMP - Buy Phones & Tablets online on Konga Nigeria at best price. Enjoy the best smartphones, Microsoft phones & Android phones- Apple iPads, ... You visited this page on 9/22/16.

Mobile Phones | Buy Phones online | Konga ... www.konga.com > mobile-phones

O AMP - Top Phone brands: Tecno Phones. Blackberry Phones. Lenovo Phones. Infinix Phones. Lumia Phones. Samsung Phones. Apple iPhones. Huawei Phones.

Phones & Tablets | Buy Phones Online | Konga ... www.konga.com > phones-tablets-1

Discover the full range of phones & tablets online on konga.com at the best price in Nigeria | Buy Sony. Samsung, Blackberry, Infinix & more | Order now!









Accelerated Mobile Pages

Progressive Web Apps

The AMP solutions

AMP helped Milanoo improve their user experience. We saw great experiment result with Milanoo by using AMP + AdWords.

"The reason why we implemented AMP is that we want to give our users fast browsing experience and improve our ads performance."

Milanoo CTO, Peng Zhou



2
The PWA solutions

Milanoo adapted all PWA components to help their mobile site improve conversions and user interaction.

"We're trying to solve offline browsing issue with PWA offline cache and provide special experience when users offline. And with guiding users to add our service to home screen, it helps us build Milanoo brand awareness and lower the cost for marketing."

Milanoo CTO, Peng Zhou



AMP Results

2018-SPRING COATS & JACKETS

MUST-HAVE FASHION FOR MEN

+26%

Loading Speed

Milanoo saw loading speed +26% faster than original with AMP

AMP + AdWords test result saw AMP landing's mCvR 5.1x higher than original.

+5.1x

mCvR

Google

PWA results

2018 S/S WEDDING SEASON Witness the most beautiful moments

AD MILED MIL

Add to Home Screen mCvR increase by 30% and bounce rate decrease by 12% Credential Management API login success rate increase by 62% MoM Payment Request API on credit card improved 3.9% payment success rate

+10.5%

mCvR

Milanoo mCvR increased 10.5% after PWA launched Bounce Rate

- 64.6%

Bounce Rate drop 64.6% after PWA launched

Google

AMP + PWA

Few easy steps

- Implemented AMP for speed improvement
- Enabled Manifest and Service Worker for Add to Home Screen and Offline Cache
- Adapted credential management api for user register and login
- Implemented Payment Request API for credit card users

"Launching AMP/PWA has greatly improved all our metrics and provided a better user experience. Thanks Google for offering such an amazing technology."



Live V Public Beta ¹



Expected future launch

	O	(O)	3	9	0	\bigcirc	() ios
AMP	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Service worker / offline	\checkmark	ios 11.3	\checkmark	V ₁₇	\checkmark	V _{11.1}	V _{11.3}
Add to homescreen	\checkmark		\checkmark		\checkmark		V _{11.3²}
Push notifications	\checkmark		\checkmark	V ₁₇	\checkmark	\checkmark	
Credential Management API	\checkmark						
Google One-tap Sign-up / Auto Sign-in	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Payment Request API	\checkmark			\checkmark		V _{11.1}	11.3
Google Pay All major browsers by EOQ1	\checkmark						

Please note: This matrix may not reflect the latest updates for third-party browsers, and should not be used as the "source of truth". Please consult each browser for up-to-date and accurate feature support.

¹ "Public beta" may refer to any upcoming browser / OS release, preview version, or flag-enabled feature ² No automatic prompt

What web can do today?

https://caniuse.com

Service V	Service Workers 🖻 - wd						Usage Ukraine		% of all users 75.75% + 0.17% = 75.929 75.23% + 0.18% = 75.419	
background	Method that enables applications to take advantage of persistent background processing, including hooks to enable bootstrapping of web applications while offline.					Global				
Current aligned	Usage relative Date r	elative Show all					Channalan	UC Deserves for	6	
IE	Edge	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet	
			29							
			49							
			59							
			62							
			63							
		" 52	64		10.3					
11	1 6	58	65	11	11.2	all	64	11.8	6.2	
	17	59	66	11.1	11.3					
		60	67	TP						
		61	68							

"By 2020, Progressive Web Apps will have replaced 50% of general-purpose consumer facing apps." Gartner Research



Source: Gartner post

Would you like to see your website as a PWA?





Thank you





How to increase conversion rate and retention with Google Pay?

Grygorii Krutii

Billions of people already use Google. Now they can use it to pay you.



Pay online, in store, & across all Google products



Global customer reach at Google scale

With Google Pay, it's easy for your customers to use the payment information saved in their Google Account, on Android & iOS, from anywhere.

- **Cross platform & multiple browsers**
 - Google Assistant ready

Worldwide

G Pay Live in 60+ Countries

A better way to pay

- Logged in and ready to pay
- \checkmark One API that enables web & app
- © Fewer than 10 lines of code
- Available globally
- Checkout in a few clicks
- Higher conversion rates
- Future proof

adyen

\$ No fees

ACI UNIVERSAL PAYMENTS.

Google

Supported Payment providers (PSP)

Braintree **KEBANX**

First Data.



Paysafe stripe vantiv. @worldpay

69% abandon a site or app because there are too many steps to purchase.

Source: Baymard Institute, Cart Abandonment Rate Statistics, January 9, 2017.

"Checkout is the last opportunity a retailer has to make a positive impression on a shopper."

Larry Logan, CMO of Digimarc

Current checkout experience



Now checkout in just a few clicks with Google Pay

•	8.00			
shoe co				
Checkout				
Shipping method Express (2-3 business days) \$5.00 	G Pa	iy		
 Ground (-7 business days) FREE 	۲	avnishm@gmail.com	×	
Add gift wrap >	Select payment method			
	0	Visa **** 2297	÷.,	
Buy with G Pay	0	PayPal - avnishm@gmail.com		
	0	Mastercard •••• 7390	٠	
	0	Amex 2006	=	
• • •		Payment chooser slides up		





CISOS discover fashion online

🏓 instacart

Hotel Tonight

🚫 airbnb

Wish

Retail



Travel

Food Delivery

hungryhouse

by JUST EAT

deliveroo

EAT24







Entertainment

What our partners are saying

Conversion Uplift

Customers who had Google Pay selected as their payment type were 65% more likely to complete their booking flow.

* • • • 4 10:40 1 0 7 4 8 10:41 -**Boutique Hotel Helvetia** Guest Info Check-In Mon, Mar 5 Tue, Mar 6 Check-Out Add a second night for €167 • Extend your stay. G Pay Selected by hotel Room Type **Boutique Hotel Helvetia** Room (1 night) €156 Taxes & Fees avnishm@gmail.com Promo Code Select payment method €167 Total Visa **** 2297 Stauffacherguai 1 6Peg Payment PayPal - avnishm@gmail.com 0 Mastercard ···· 7390 CONTINUE | \$206 CONTINUE 0 Amex **** 2006 .

Default payment option for returning users

-HotelTonight

What our partners are saying

Customer Retention

We've found sustainable Google Pay growth with its share of Android App orders up 30% weeks after our promo ended.

-Fandango



Default payment option for returning users

Payment Request APIs

Google has hundreds of millions of cards on file

Your customers already use our products. Now they can use them to pay you. When customers pay with Google, they can use any of the credit or debit cards they've added to their Google Account from products like **Google Play, YouTube, Chrome** or **Android Pay.**



GOOGLE PAYMENT API IS THE FOUNDATION

- Forms of payment associated with users' Google accounts
- Includes credit and debit cards, Android Pay tokens, and more coming soon
- Onmichannel: in-store, in-app, & online



Branded buttonGeneric checkout

BRANDED BUTTON CHECKOUT FLOW

- Clear call to action button
- User trust on unfamiliar merchants
- Can be done in as few as 3 clicks!





GENERIC CHECKOUT FLOW



- Always called as part of standard checkout
- Includes dynamic pricing based on tax and shipping

EXISTING PARTNERS



OR TRY OUR DEMO: HTTPS://POLYKART.STORE developers.google.com/payments

The future of commerce

OK Google!

With one API you're already ready for whatever payment innovation is dreamt up next.

The Google Assistant now runs on over 400 million devices





Thank you



Assets optimisation and testing on Mobile for retail companies.

Mariusz Gąsiewski

Optimisation is not easy...





Testing and optimisation on Mobile



mCommerce issues that resulted in cart abandonment according to digital buyers in Germany, the UK and US, Nov 2017 - (% of respondents)



Note: ages 18+ Source: Addressy, "Fixing Failed Deliveries: Improving Data Quality in Retail" conducted by Loudhouse, Dec 5, 2017

Google

Mobile Site Benchmark 2018

Retail

1	Coolblue* (BE)	83%	
2=	Bokus (SE)	78%	
2=	Coop (DK)	78%	
2=	Leroy Merlin* (FR)	78%	
5=	GittiGidiyor (TR)	77%	
5=	Litres (RU)	77%	
5=	Namshi (AE/SA)	77%	
5=	NetOnNet (SE)	77%	
9=	Modanisa** (TR)	76%	
9=	Morhipo** (TR)	76%	
11-	60	71%	
61-	181	67%	

Travel

1	Booking.com* (DE)		88%	
2	Swebus (SE)		87%	
3	Saudia (AE/SA)		86%	
4	SAS (SE)		85%	
5=	Etstur (TR)		84%	
5=	Kayak* (ES)		84%	
5=	Lufthansa (DE)		84%	
5=	NS International (NL)		84%	
9=	Air France** (FR)		83%	
9=	Lastminute.com** (FR)		83%	
11-6	50	71	8.5%	
61-1	122	68%		

Finance

1	Bank Norwegian (NO)			96%
2	Garanti (TR)			91%
3=	AIG (IL)		8	9%
3=	Linea Directa (ES)		8	9%
3=	Storebrand (NO)		8	9%
6=	Crédit Agricole (FR)		87	%
6=	Confused.com (UK)		87	%
8	SBAB (SE)		869	%
9=	ING DiBa** (NL)		85%	6
9=	uSwitch** (UK)		85%	6
11-(60		80.5%	
61-	160	63.5%		
Mobile Site Benchmark 2018 - UK Retail Top 10



E

Google Source: Mobile Site Benchmark 2018 - UK Retail Top 10

Mobile Site Benchmark 2018 - UK Retail Top 10

Mobile design ▼⊿I = 10:47 John Lewis ≡ Menu Q. Search Basket Exclusives at John Lewis Shop Nespresso Lattissima One Browse by department Home & Garden Furniture & Lights 87.A -

Finability 0180 · V · 10:19 X O Menis Clothes | Shop for Menis _ _ × ×Q Coat Foux Fur Coat Women Coats And Jockets Women Coats Foux Fur Coat Foux Fur Coat Men Trench Coat Women Fur Coat Jackets And Coats Men Teddy Coat Mens Trench Cool -4 =

Product pages 0100 Image: Image £12.99 ADD TO TROLLEY ADUUT THIS PRUDULT This item is eligible for same day delivery and faster 100 in-store collection The Premier League Pitch Football features high-contrast. graphics for high visibility during play and practice when the weather and light isn't great. The durable, responsive construction offers truer flight off the foot and will have you finding the back of the net more regularly. · 32-panel design for durability. · Machine-stitched tpu casing for consistent play. · Made from 60% rubber , 15% polyurethane, 13% polyester. 12% eva. · Size 5 ball. · 32 panels. · For outdoor use. · Supplied uninflated 2 REVIEWS 🛪 🛪 🖈 🕼 🖄 Overall rating (2.5) 🗸 **DUESTIONS & ANSWERS** --4 -

Conversion



Brands score higher when there has been a company-wide policy to improve mobile experience

"With the vast proportion of our visits coming from mobile devices, ASOS is a well and truly mobile first business. Over the last 12 months we have really been focusing on improving our customer experience by improving the site design and improving performance.

We have made some great headway and this in now embedded as part of everything we do."

- Andy Mills - Web Platform Lead, Asos

Cross-device effect is rising. You need to reflect it in your assets and measurement strategy

Multidevice Share of Ecommerce Transactions in Australia, by Primary Device, Q4 2016 % of total Smartphone 64% 36% Desktop/laptop 57% 43% Tablet 54% 46%

Multidevice Share of Ecommerce Transactions in Germany, by Primary Device, Q4 2016 % of total				
Smartphone				
	70 %	30%		
Desktop/laptop				
	66 %	34%		
Tablet				
	65%	35%		
Single device	2+ devices			

Multidevice Share of Retail Ecommerce Transactions in Japan, by Primary Device, Q4 2016

% of total



Multidevice Share of Ecommerce Transactions in South Korea, by Primary Device, Q4 2016

% of total

Desktop/laptop



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Learn from best examples: Google's Omnichannel Customer Experience Review.

Average omnichannel CX score



Google Source: Google's Omnichannel Customer Experience Review

Average omnichannel CX score





- Wish-lists and shopping baskets are synced to a customer's account and immediately available across devices.
- Gift cards can be bought and redeemed both online and offline and card balance can easily be checked and increased.
- NetOnNet's loyalty program allows members to claim offers in-store and online.

Average omnichannel CX score

- Product availability (online i offline)
- Filter based on availability
- All possible fulfilment options clearly listed on product pages

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• Nos rayons	× Livré chez vous
Terrasse & Jardin	Retrait gratuit e
Salle de bains	6.
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Źródło: Google's Omnichannel Customer Experience Review

Google

In Good we believe

anything else

....we need to test



Technologies used by client-side marketers worldwide to implement website personalization - (% of respondents)

	2014	2015	2016	2017
A/B or multivariate testing tool	48%	52%	63%	71%
Content management system (CMS)	62%	43%	47%	57%
In-house built solution	-	32%	29%	25%
Marketing automation system	24%	22%	24%	30%
"Off-the-shelf" personalization tool	25%	22%	22%	23%
Other	4%	5%	4%	4%

Note: 2014 n=106; 2015 n=103; 2016 n=102; 2017 n=96 Source: Econsultancy, "Conversion Rate Optimization Report 2017" in association with RedEye, Oct 11, 2017

Using data to choose testing scenarios

Google



Thinking about business impact

Α	В	С	D
÷	Ideas to A/B Test	Expected = Business Impact	Difficult of implementation
1	1- Make your Value Proposition stand out in the above the fold area	Critical	Easy
2	2- Use the viewport more efficiently	Critical	Medium
3	3- Try to show adjust landing page to user's intent	Critical	Hard
4	4- Try to give users reasons to create an account	Medium	Medium
5	5- Make sure actionable links on your mobile site stay on natural areas	Critical	Easy
6	6- Try to differentiate better difference between options	Critical	Medium
7	7- Make site search visible	Low	Easy
8	8- Try to test different form sizes	Critical	Hard
9	9- Font should be bigger for easy reading	High	Medium
10	10- Optimize Price Comparison Page	Critical	Easy
11	11- Font should be bigger for easy reading	Critical	Easy
12	12- Try using a "Load / View More" function instead of pagination	High	Medium
13	13- Try to use advanced filtering options	High	Easy
14	14- Discussion: Test using urgency elements on category/result pages	Medium	Hard
15	15- Try adding your main value proposition to your product result pages	High	Medium
16	16- Try adding a "save to wishlist" button to your search result pages	Medium	Easy
17	Optimize Site Speed	Critical	Medium
10			

Optimize integration with AdWords



Visual editor for Mobile

GoogleOptimize					
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1.5	Search				

Ě

Google

Optimize integration with AdWords

← US and Canada Website My first AdWords Experiment			ate rule	
DETAILS REPORTING	Close			
Draft. Some setup steps must still be completed. SHOW STEPS		•	URLs	>
Percentage of visitors to target . The Weighting of visitors to target			Google Analytics audiences	>
Y 100.0 %		A	Google AdWords	>
			Behavior	>
When		0	Geo	>
Determines when the experiment is shown.			Technology	>
Evaluate on page load		$\langle \rangle$	JavaScript variable	>
Additional conditions			First-party cookie	>
URL matches www.optimize.google.com			Custom JavaScript	>
AND		=&	Query parameter	>

Google



"Our long-term investing approach and customer-centric mentality continue to pay off as we outpace the shift to online spending in our category and gain significant market share. [..] Technology, combined with continuous testing and innovation, allows us to constantly enhance the shopping experience while quickly scaling our operations"

Niraj Shah, CEO, co-founder



"Our long-term investing approach and customer-centric mentality continue to pay off as we outpace the shift to online spending in our category and gain significant market share. Technology, combined with continuous testing and innovation, allows us to constantly enhance the shopping experience while quickly scaling our operations"

Niraj Shah, CEO, co-founder

Testing and optimisation on Mobile



Walmart case study

+98% orders



Getting to the right data...



Google

Hire the right people





Mobile user often behaves in different way

13.7 sec

is the average view time of search results on smartphones before decisions (clicks) are made.

This time is ...

1.7 sec (11%)

shorter compared to desktop.





Find insight then it is easier



Landing pages for Mobile - goHenry case study

- Mobile users were more impulsive. Many landed on the site on a whim—so knew much less about what was being offered.
- They were 40% more likely to have concerns about trust and security.



goHenry case study: landing page testing



Sign ups: + 78%

Google

Source : http://www.conversion-rate-experts.com/gohenry-case-study

<

goHenry case study: pricing page



Sign ups: + 36%

Google

goHenry case study: visual information



Google

goHenry case study: building trust





Google

Source : http://www.conversion-rate-experts.com/gohenry-case-study

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goHenry case study: dealing with fear



Plus, you'll never pay a penny for these great services:

Free UK cash withdrawals.

Google

- No overdrafts, so no overdraft fees.
- Free goHenry card for your child to use.
- Free telephone and email support, so you'll always have help when you need it.
- Load your accout for free using Standing Order or bank transfer.

go Henry ••

Try the Award-Winning Online Learning Tool for Children completely FREE for 3 months

Thousands of parents are discovering why goHenry is an easy (and fun) way to pay pocket money and teach your kids about money.

That's why, for a limited time, we are offering a completely FREE two-month trial

After 2 months—ONLY if you're 100% delighted with goHenry—you can choose to move onto our paid plan for just £2.49 per child per month.

Try goHenry for free



Google

goHenry case study: consistency

Homepage Kids aged 8-18? At last-an easy (and fun) way to pay pocket money and teach your kids good money habits VISA 6.6 An excellent way to introduce the big. bad world of spending real money and The Telegraph goHenry is a Pre-paid Card and App with unique



+23% increase in sign-ups from homepage optimization

Google

goHenry case study: mobile strategy



"Don't assume that your mobile visitors are just desktop visitors on a different device."

Google

Source : http://www.conversion-rate-experts.com/gohenry-case-study

<

75%

expect a consistent experience, whether it is online, social, mobile or in person. of consumers expect companies to respond and interact with them in real time.

64%

of consumers will switch brands if they're treated as numbers instead of individuals.

2/3rd

Testing and optimisation on Mobile





Soulily

"The economics of Cloud are real."

49%

of North American orders placed from mobile devices **4.1M**

active customers

Use Hadoop & BigQuery for realtime insights across their customers

Proprietary + Confidential

Al is getting a way to optimize user experience in scale

Expected Growth in Spending on Select Emerging Technologies According to Retailers in North America, Oct 2017

% change

Proximity/location-based marketing



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www.eMarketer.com


Utilize machine learning with Google Cloud

What is TensorFlow?

Google's **open source** library for machine intelligence

tensorflow.org launched in Nov 2015 Used by many production ML projects





Machine Learning services on Google Cloud

Custom ML models

Pre-trained ML models





Machine learning is getting easily accessible







Scale, No-ops Infrastructure **ML APIs**





Google

Clash of Kings case study

- 15% of DAUs will participate in chat with other gamers, 8-10M chats per day
- Millions of gamers made friends from other countries
- At least 3 couples got married, and they are even from competing tribes!







elex

Example



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User's segments

YOU LOOK MARY	VELOUS Identify Cus Machine Learning	tomer Segment	s				
		₽ ∝	stomer Segment	tation			
		Cluster_ID	Campaign	DCM_Views	GA_Hits	GA_Timeonsite	Total_Sales •
>	A Q	cluster_02	black friday				11,440
	-	cluster_01	black friday	343		175	
Data	Datalab Insights	cluster_02	holiday sale			179	
		cluster_01	xmas online				10,28
		cluster_02	xmas online				10,14
		cluster_01	holiday sale			154	
		cluster_01	online daily	354			9,08
		cluster_02	online daily	283			
Identify High Value Customer Segments		cluster_04	black friday	497			5,28
		cluster_04	holiday sale	468		204	4,90
6.0	eluster_02	cluster_07	holiday sale		344		4,27
	eluster_01	cluster_06	xmas online				4,19
47	@ cluster_05	cluster_03	xmas online				3,94
	Cluster_07	cluster_05	holiday sale			148	3,91
6.7%	eluster_06	cluster_07	black friday	343	296	180	3,83

Recommendation engines



As we know customers use reviews...

Frequency with Which US Internet Users Reference Product Reviews Prior to Making a Purchase, by Age, Feb 2018

% of respondents in each group

18-29				4.0%
	37.3%	6	42.9%	15.9% 🖕
30-39				1.0%
	28.4%	40.3%	6 24.9 %	5.5%-•
40-49				2.3%
:	20.9 %	44.2%	26.7%	5.8%-•
50-59				1.7%
	24.8%	38.2%	26	.1% 9.2% 🖕
60+				3.7%
1	9.3%	40.4%	28.	5% 8.2% 📥
Total				2.2%
	24.4%	40.8%	2	5.6% 7.1% 🖕
Alway	ys 🔳 Often	Sometimes	Rarely	Never

Note: numbers may not add up to 100% due to rounding Source: "The eMarketer Ecommerce Insights Report," conducted in February 2018 by Bizrate Insights, Feb 7, 2018

Google

www.eMarketer.com

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Better and more reliable reviews

Overall Rating 4.60



Social Sentiment

Overall Sentiment	•	79%
Positive	•	64%
Loved It!	•	17%
Anticipating Good Results	•	2%
Curious/Interested	•	2%
Surprised w/Reaction	•	3%
Unhappy with Price/Performance		0%
Angry with Results	•	3%
Fearful or Skeptical		0%
Negative	•	7%

I have a combination skin (with dry cheeks area), and I have been looking for a perfect cream/gel for such a long time. Unfortunately, most of the emulsion-type moisturizers are oil-absorbing or drying and are targeted towards just light moisturi...

I have been using Estée Lauder serums for the past few years, since I've turned 30...the CP R and ANR to be specific. I have combination skin that's prone to breakouts so I've had some awful experiences with moisturizers, even gel moisturizers. However, at m...

66

I like this gel... I've been using it almost see some difference in my ski

Testing and optimisation on Mobile



Digital technologies that Ecommerce Professionals Worldwide plan to experiment with by 2020

	Agency*	Client-side**
Conversational commerce (e.g., chatbots, personal assistants)	40%	59%
Artificial intelligence for personalization	39%	55%
Digital wallets/mobile payments	40%	44%
Social commerce	48%	40%
Voice technology	18%	18%
Beacon technology	15%	15%
Different interfaces (e.g., smart watches, internet of things)	14%	13%
None of these	18%	16%
Note: *includes ecommerce service provide implementers, software vendors); **include at ecommerce companies Source: Econsultancy and Conversion, "Eco 2018," Jan 18, 2018	es client-side/b	rand marketers

Webhallen example



(200ale

Mobile optimised chat, being transparent and clear with their waiting times, and providing the user with other means to contact them.





Peer-to-peer chat available on the mobile site, connecting users with other Magasin Kiabi customers.

Google

Adidas example



Best-in-class rating and review system that includes product attribute based ratings, voting on reviews, review verification and an option to filter reviews.

Testing and optimisation on Mobile



Persistency is what creates a value





Google

Let's remember about it!

Mcommerce Issues that Resulted in Cart Abandonment According to Digital Buyers in Germany, the UK and US, Nov 2017

% of respondents



235012

www.eMarketer.com



Thank you





Summary. What is coming next?

Mariusz Gąsiewski

Ukraine is not an European backwater

Share of mobile searches: "Consumer electronics", Q4 2017



Source: Google internal data

Google

The best is just coming!

Share of mobile searches: "Consumer electronics", Q4 2017

Źródło: Dane wewnętrzne

Help me buy faster





We want to buy a hoodie



We start from search



We choose a product



Google

No product in the inventory

We are fine with notification..

We are giving its permission



Google





2

to network

We are losing connection ...although website is still working





"Push" information is Product is added to Fast check out shopping cart coming

Automatic log in







B https://m.eastcomb.com	1	11:05			
≡ EAST COMB		P			
Your Cart					
Green Flex Fleece Zip Hoodie	549				
Subtotal \$49 Shipping FREE					
Signing in as janellemurrels@gmail.com					

Purchase with one



Shortcut to click.... homescreen added





Easy access ...in full screen



Walmart case study

+98% orders



Google

1:52 PM

●●●○○ Sprint 🤗

10

Cross-device effect is rising. You need to reflect it in your assets and measurement strategy

Multidevice Share of Ecommerce Transactions in Australia, by Primary Device, Q4 2016 % of total Smartphone 64% 36% Desktop/laptop 57% 43% Tablet 54% 46%

Multidevice Share of Ecommerce Transactions in Germany, by Primary Device, Q4 2016 % of total				
Smartphone				
	70%	30%		
Desktop/laptop				
	66%	34%		
Tablet				
	65%	35%		
Single device	2+ devices			

Multidevice Share of Retail Ecommerce Transactions in Japan, by Primary Device, Q4 2016

% of total



Multidevice Share of Ecommerce Transactions in South Korea, by Primary Device, Q4 2016

% of total

Desktop/laptop





Help me buy Faster Know me Better WOW me Everywhere



Thank you

