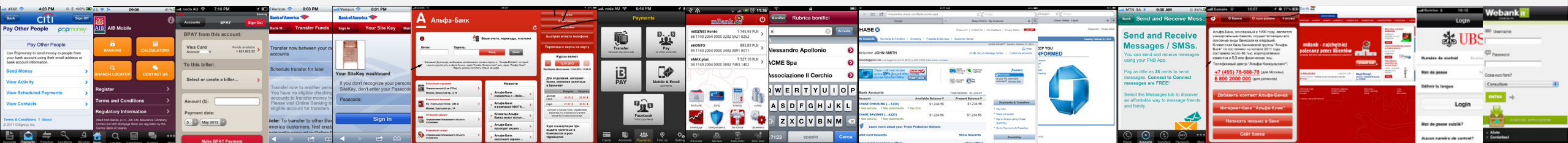




25 leading user experience firms in Europe, Asia, Americas, and Oceania are members of the **UXalliance**. This network reaches major markets all over the world and offers international user experience research for global companies.

International eBanking Benchmark Study 2012



About the study

This document highlights some of the findings from our study. We focused on login and the secure landing page on the web and on mobile.

Considerations

Authentication process on web 1	Authentication process on mobile 2
Secure landing page on web 3	Secure landing page on mobile 4

Evaluation criteria

The evaluation criteria are the key factors that influence customers' satisfaction with performing the selected tasks on the banking sites.

The criteria were established through collaboration between the **UXalliance** firms, drawing on our collective experience with banking clients and hundreds of UX research projects.

18 countries – 38 banks

Australia	 	Japan	
Brazil	  	Poland	 
Canada	  	Russia	 
Chile	 	South Africa	  
Czech Republic		South Korea	 
Finland	 	Spain	 
Germany	 	Switzerland	 
Ireland	 	UK	 
Italy	 	USA	  

Authentication process - Web

1

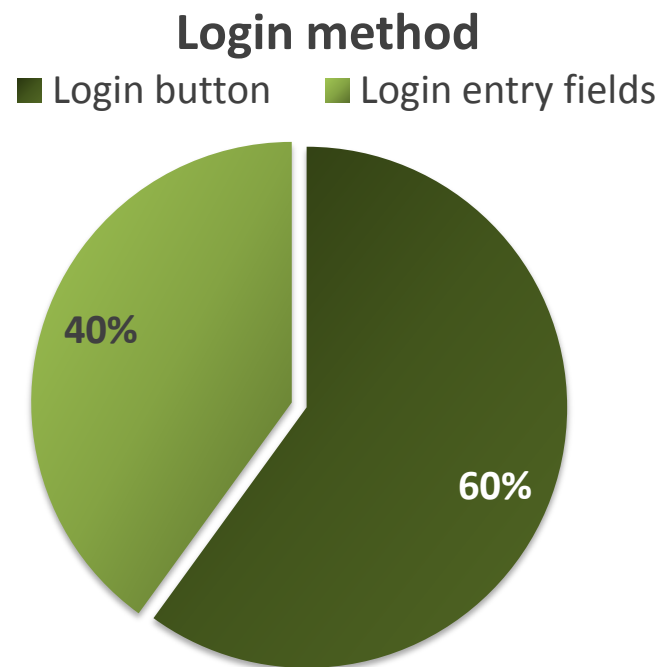
Evaluation Criteria

1. Login link or entry field is easy to find
2. Details asked are customer-driven and align to customers' expectations
3. Login does not rely on additional devices, cards, or tokens
4. Supports customers with login process including ability to retrieve forgotten information

Authentication process - Web

1

Evaluation Criteria 1: Login link or entry field is easy to find



Most banks offer a link from the homepage. Some offer the entry fields from this page, saving a click for its customers.

Returning Users: Log On

User ID:

Password:

☐ Remember my User ID
[Forgot User ID/Password?](#)

Log On

Particulares

> B. Privada > Negocios > Empresas

Acceso cliente / área privada

usuario:

contraseña:

[¿Has olvidado tu contraseña?](#)

Entrar

[Acceso con DNI electrónico](#)

Webbankit CHI SIAMO | CONTATTI | STATO APERTURA CONTO **ACCESSO CLIENTI**

aib.ie Branch Locator | Contact AIB | Site Map | Careers | Other AIB Sites

Personal Business Wealth Management

PERSONAL LOG IN BUSINESS LOG IN

HOME CURRENT ACCOUNTS MORTGAGES CREDIT CARDS LOANS INSURANCE SAVINGS PENSIONS INVESTMENTS LIFESTAGES ONLINE SERVICES

ACCESSO CLIENTI

User ID Serve aiuto?

Password

☒ Privati ☐ Business

☒ Consultare e Disporre

☐ Consultare

ENTRA

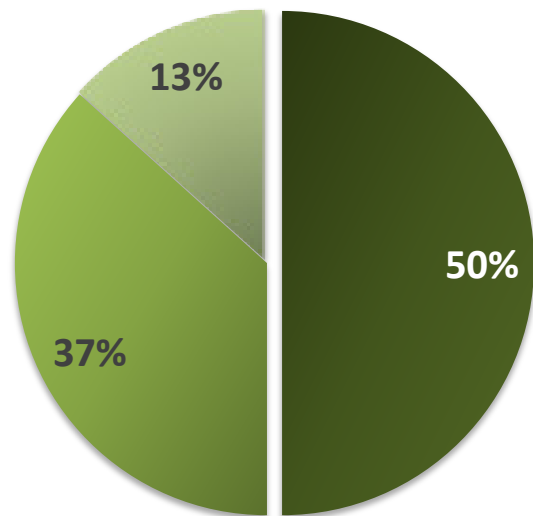
Authentication process - Web

1

Evaluation Criteria 1: Login link or entry field is easy to find

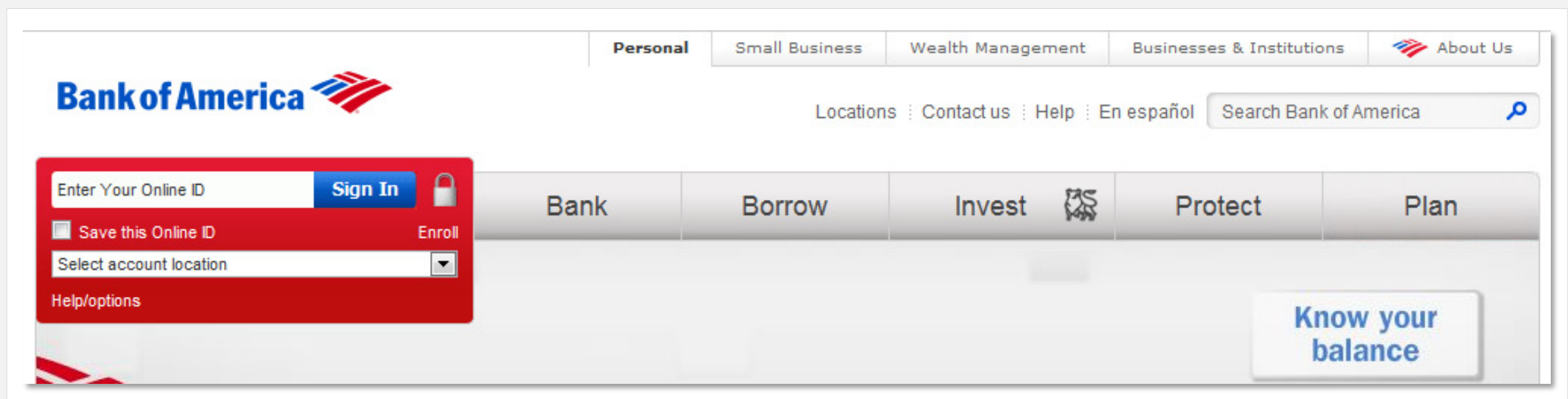
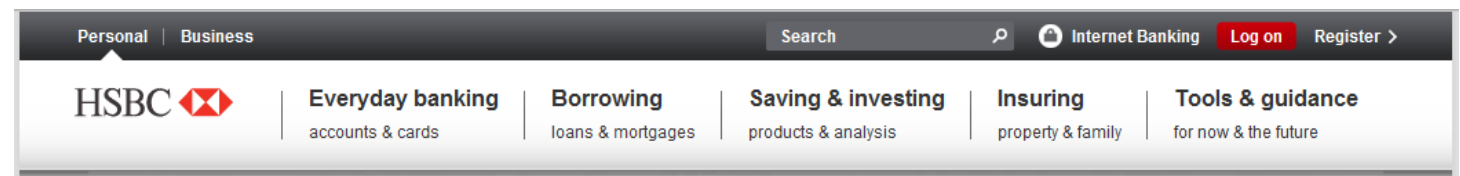
Login placement

■ Top right ■ Top left ■ Other



Top right placement seems to be the paradigm for the login button.

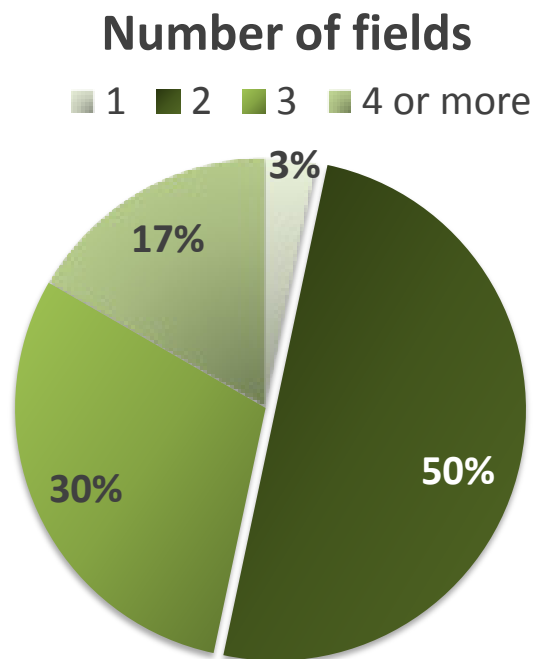
Top left placement seems to be the paradigm for the login entry area.



Authentication process - Web

1

Evaluation Criteria 2: Details asked are customer-driven and align to customers' expectations



Two entry fields is the most common approach across banks, and generally consist of a User ID and Password.

A third field is also quite common for an additional level of security, with the third field generally being a PIN or numeric field.

Returning Users: Log On

User ID:

Password:

☐ Remember my User ID

[Forgot User ID/Password?](#)

Log On

Two entry fields is the most typical paradigm for secure access across the web

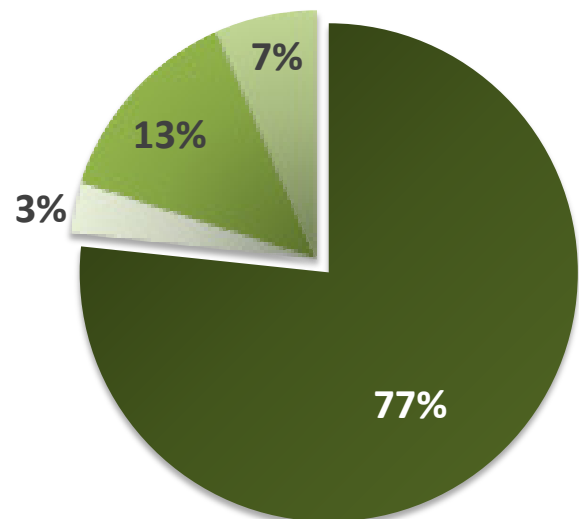
Authentication process - Web

1

Evaluation Criteria 2: Details asked are customer-driven and align to customers' expectations

Type of User IDs

SD 123 SD ab12 UC ab12 Unknown



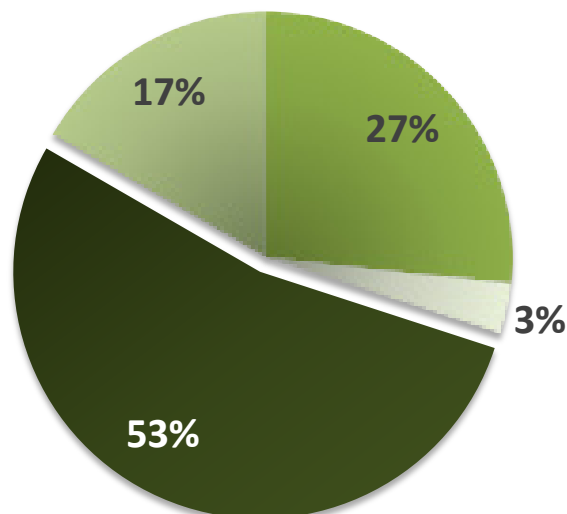
User IDs are mainly given by the bank and consist of a numeric field (account number, digital access number, or combination of digital numbers).

Passwords seem to be mostly customer-created and alphanumeric. This aids customers as they are not required to memorise two numeric fields.

Two numeric-orientated fields are difficult for customers to recall, often requiring customers to write it down.

Type of Passwords

SD 123 UC 123 UC ab12 Unknown



Customer-created fields that are alphanumeric are easiest to remember

Key
SD 123=System driven numeric
SD ab12=System driven alphanumeric
UC 123= User-created numeric
UC ab123= User-created alphanumeric

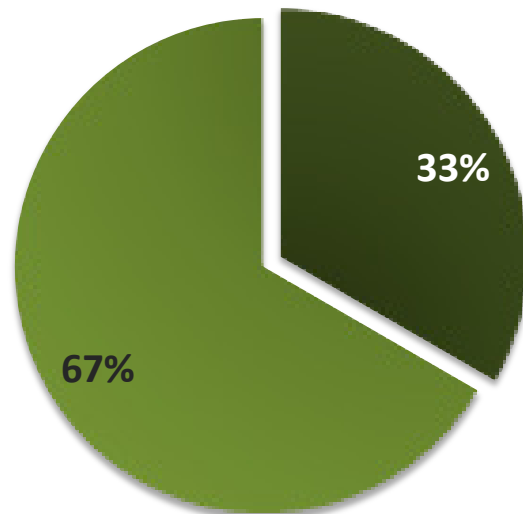
Authentication process - Web

1

Evaluation Criteria 3: Login does not rely on additional devices, cards, or tokens

Using additional device/card

■ Yes ■ No



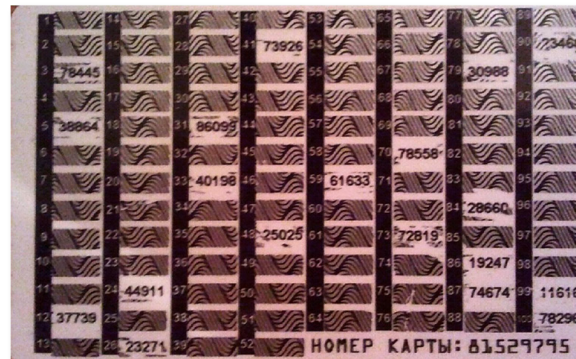
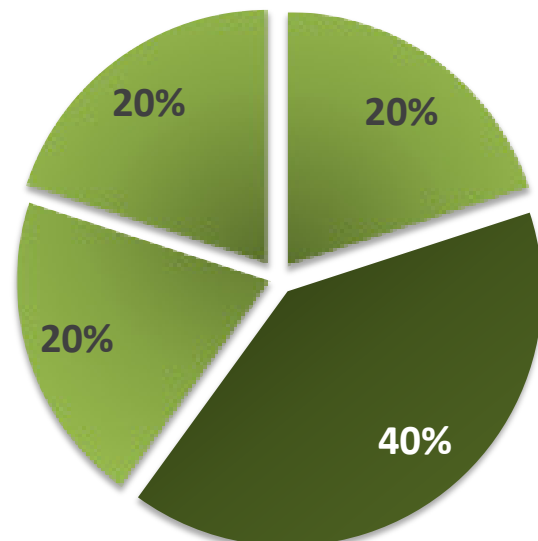
Most banks do not require an additional security device to enable login.

The banks that do require additional elements use a variety of methods including software, card, physical device or SMS.

Some ask for additional security when transactions are done.

Type of device

■ Card reader ■ Card ■ SMS ■ Software



Banking on the go becomes more difficult as the device, card or computer with software are not always at hand

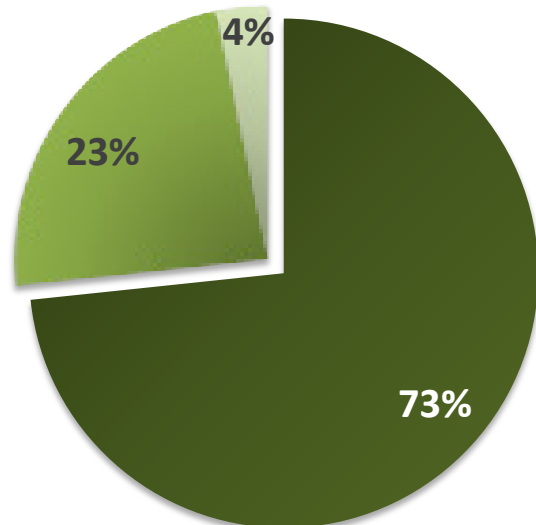
Authentication process - Web

1

Evaluation Criteria 4: Supports customers with login process including ability to retrieve forgotten information

Help offered

■ Yes ■ No ■ Unknown

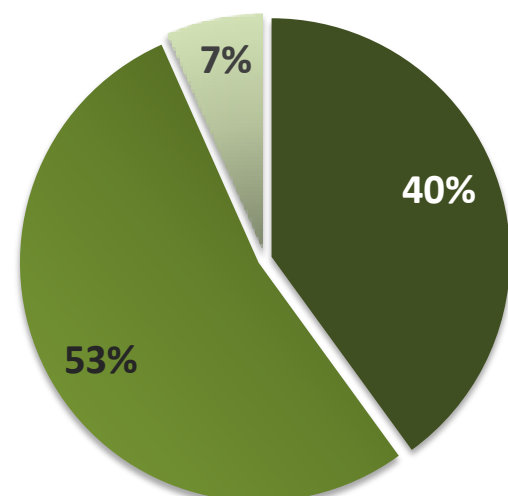


Most banks offer help and tutorials on how to use internet banking.

The retrieval of forgotten info was not offered by all banks online, with many requiring the customer to call or go to the branch.

Retrieval forgotten info

■ Yes ■ No ■ Unknown



Forgotten User ID and Password

Note:

- This is the Card and PIN combination that you use to withdraw money from at an ATM or when making purchases with your card.
- Please enter the details with care, as three failed attempts will result in your card being de-activated
- If you do not have a Card and PIN to authenticate yourself please contact Online Assistance on 087 575 0000.

Please enter your details below

Card Number

Pin

Country

Official identification number or Passport number



[\[Can't read this? Try another\]](#)

Retrieval of forgotten info is a paradigm that exists across the web

Key learnings

- ✓ Have authentication entry fields on the landing page, ideally in the top-left position
- ✓ Use two fields only for authentication, possibly a third field for extra security – orientated transactions
- ✓ Entry fields should be customer-created alphanumeric fields. Never have more than one field that is numeric only
- ✓ Allow the customer to retrieve forgotten information
- ✓ Show contextual help throughout the site

Authentication process - Web

1

Top banks that met most of the evaluation criteria

All the criteria met



Most of the criteria met



- ❖ Link to login is easy to find
- ❖ Details asked are customer-driven and align to customers' expectations
- ❖ Keypads for field entry needs to default to alpha or numeric respectively
- ❖ Does not rely on additional devices, cards, or tokens
- ❖ Supports customer with login process including ability to retrieve forgotten information

Authentication process - Mobile

2

Evaluation Criteria

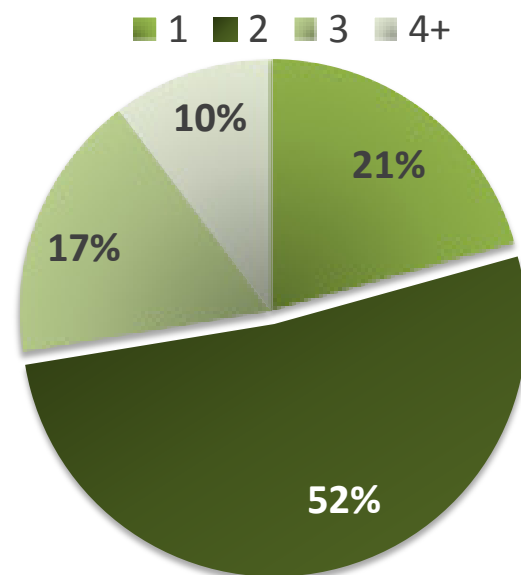
1. Details asked are customer-driven and align to customers' expectations
2. Keypads for field entry default to alpha or numeric respectively
3. Login does not rely on additional devices, cards, or tokens
4. Supports customers with login process including ability to retrieve forgotten information

Authentication process - Mobile

2

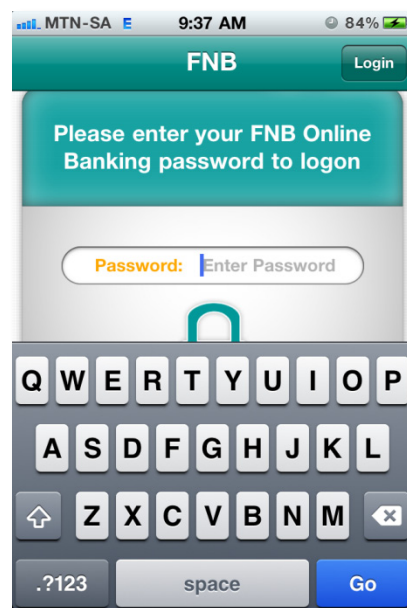
Evaluation Criteria 1: Details asked are customer-driven and align to customers' expectations

Number of fields



Two entry fields are the most common and generally consist of a User ID and Password/PIN. One entry field is more prevalent in mobile apps, however it does mean customers need to do additional actions, which can be laborious, but can also be a one-off set-up process.

One entry field could make customers feel that the site is less secure, and could prevent multiple profiles from accessing the site via an app or mobile site.



There is a balance between what customer is willing to give and the sense of security they feel by entering less

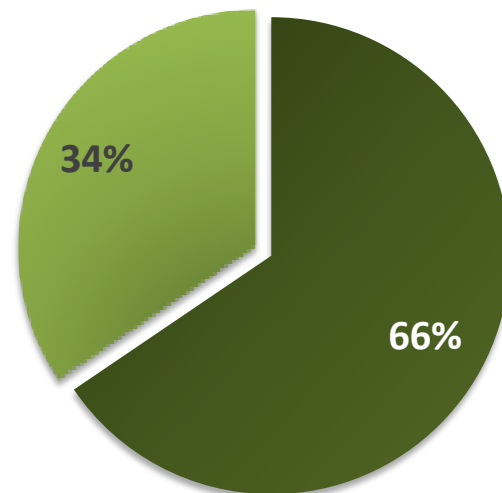
Authentication process - Mobile

2

Evaluation Criteria 1: Details asked are customer-driven and align to customers' expectations

Fields align to internet banking

■ Yes ■ No



Most of the banks align the fields across platforms, which is vital.

Some banks reduce the number of fields needed for mobile banking access, to enable lighter 'on the go' banking.

There are some cases where the fields are different from internet banking which will cause confusion.



Access across platforms should be consistent

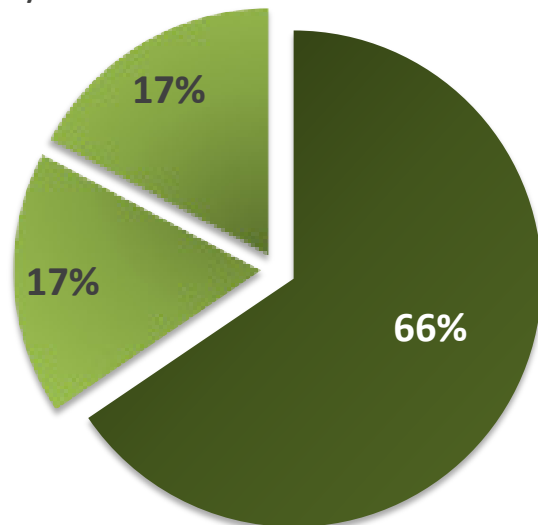
Authentication process - Mobile

2

Evaluation Criteria 1: Details asked are customer-driven and align to customers' expectations

Type of User IDs

■ System 123 ■ User ab12 ■ NA



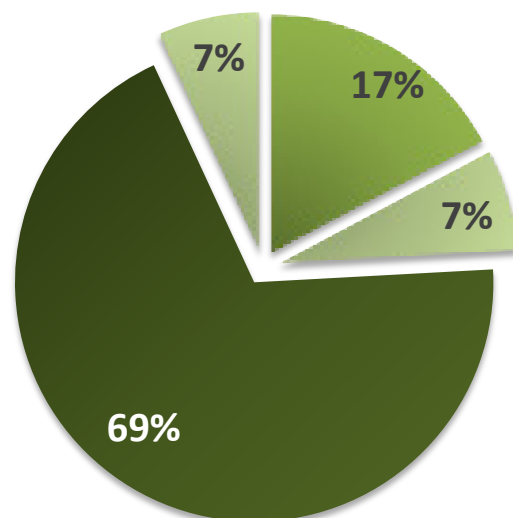
User IDs are mainly given by the bank and consist of a numeric field (account number or digital access number).

Passwords seem to be mostly customer-created and alphanumeric, which aids customers as there is only one numeric field to remember.

Two numeric-oriented fields are nearly impossible for customers to recall, potentially requiring customers to write them down.

Type of Passwords

■ SD 123 ■ UC 123 ■ UC ab12 ■ NA



Numeric entry fields are the most complex to recall by customers

Key

SD 123=System driven numeric

SD ab12=System driven alphanumeric

UC 123= User-created numeric

UC ab123= User-created alphanumeric

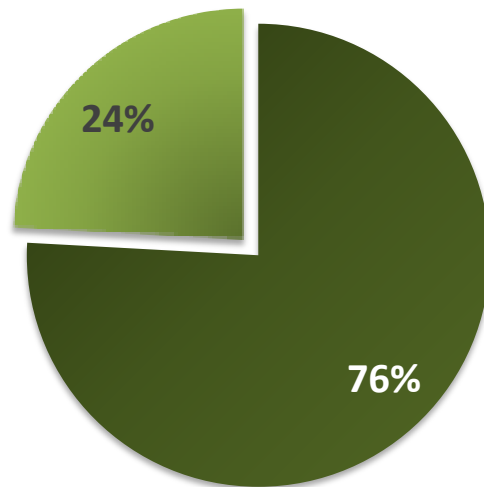
Authentication process - Mobile

2

Evaluation Criteria 2: Keypads for field default to alpha or numeric respectively

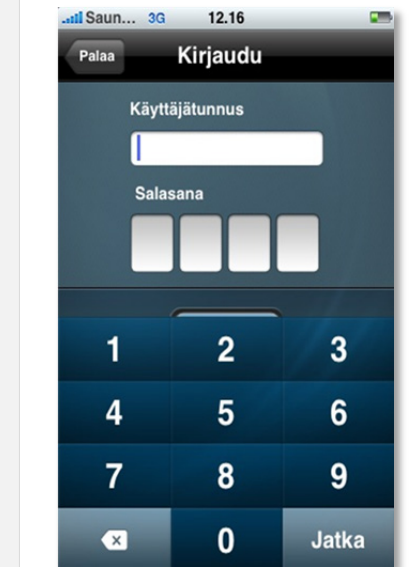
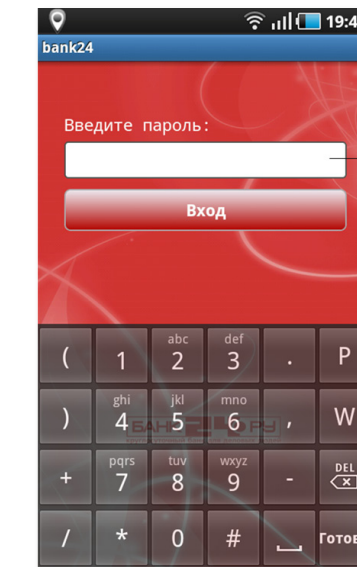
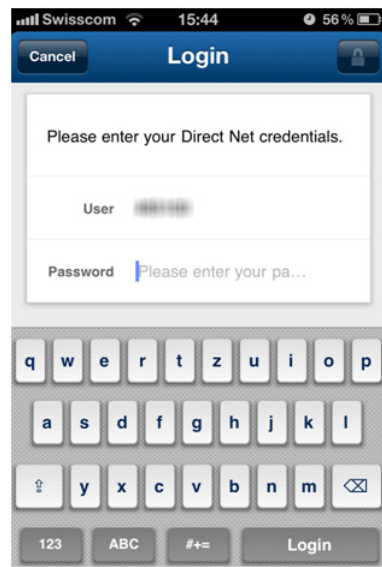
Keypads defaulted for entry

■ Yes ■ No



Most banks default the keypad to the alpha or numeric depending on what is required from the field.

The keypad should always default to alpha or numeric depending on what is required



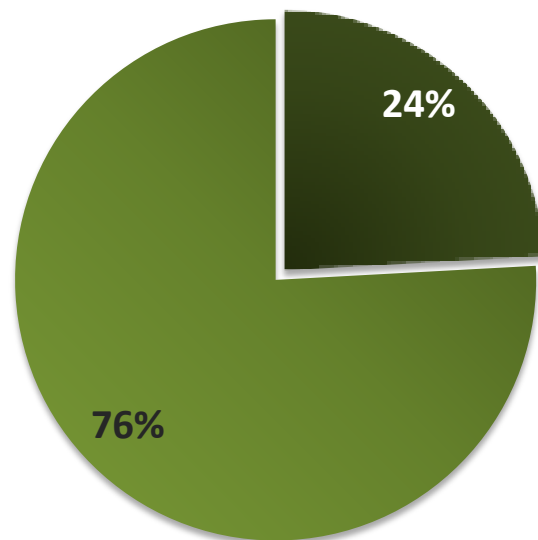
Authentication process - Mobile

2

Evaluation Criteria 3: Login does not rely on additional devices, cards, or tokens

Using additional device/card

■ Yes ■ No

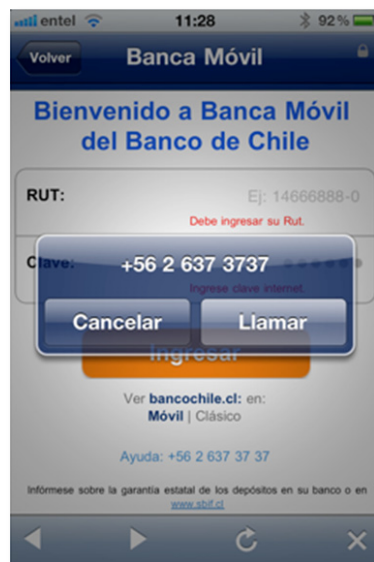


Most banks do not require the use of additional devices for login on mobile device.

Some banks require customers to use the website to gain access to the app, this is time-consuming and at times complex to perform.

Various mobile devices cannot access the same customer profile, which is a concern for some.

Multiple customer profiles cannot access profiles using one device.



‘Banking on the go’ should be as easy, simple and flexible as possible

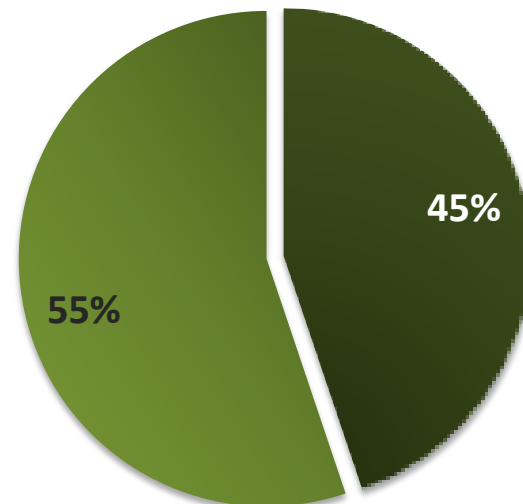
Authentication process - Mobile

2

Evaluation Criteria 4: Supports customers with login process including ability to retrieve forgotten information

Help offered

■ Yes ■ No



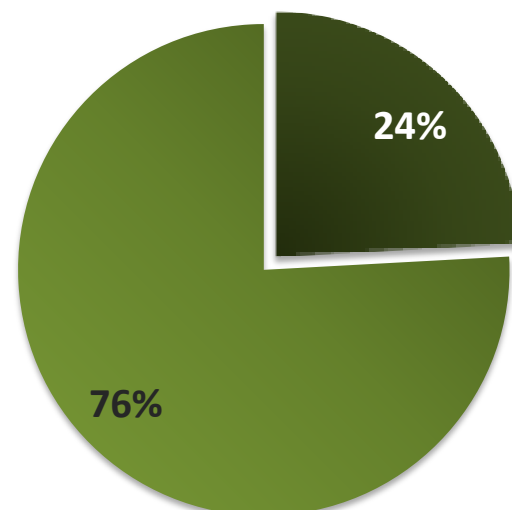
Most banks do not offer help or sufficient help to aid the customer.

The retrieval of forgotten info to enable mobile banking is not offered by most banks.

Some of the help offered is not useful.

Retrieval forgotten info

■ Yes ■ No



Help and retrieval of information should be available across platforms

Authentication process - Mobile

2

Key learnings

- ✓ Have authentication entry fields or button as high up as possible on the page
- ✓ Ask for only two fields for authentication
- ✓ Entry fields should be customer-created alphanumeric fields. Never have more than one field that is numeric only
- ✓ Default the keypad to be numeric or alpha depending on what is required by the field
- ✓ Allow the customer to retrieve forgotten information
- ✓ Show contextual help throughout the site

Authentication process - Mobile

2

Top banks that met most of the evaluation criteria

Most of the criteria met



Woori bank



Many of the criteria met



Bank of America



Deutsche Bank



- ❖ Login link or entry field was easy to find
- ❖ Details asked are customer-driven and align to customers' expectations
- ❖ Does not rely on additional devices, cards, or tokens
- ❖ Supports customers with the login process including ability to retrieve forgotten information

Secure landing page - Web

3

Evaluation Criteria

1. Displays an overview of accounts and balances
2. Page real-estate is skewed towards customer need as opposed to institution objectives
3. Customers are able to perform primary banking functions easily
4. Quick links to the most used functions provided
5. Site feels secure and offers sufficient help

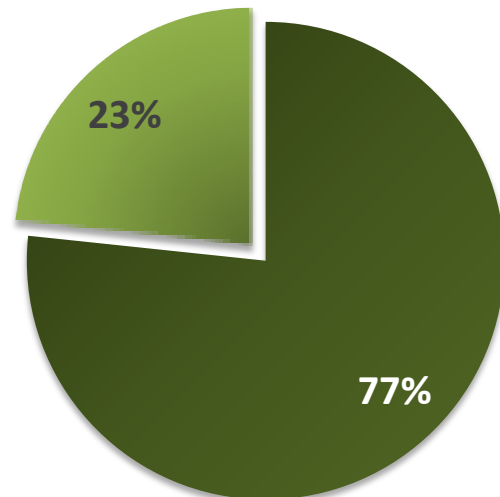
Secure Landing page - Web

3

Evaluation Criteria 1: Displays an overview of accounts and balances

Accounts overview

■ Yes ■ No



Most banks offer an overview of accounts, although some hide this information amongst a lot of clutter. Customers expect to see their accounts and balances upfront, before performing transactions.

Wells Fargo provides an appropriate level of detail.

The screenshot shows the Wells Fargo Online Account Summary page. At the top, there's a navigation bar with links like 'Sign Off', 'Home', 'Locations', 'Contact Us', and 'Online Security Guarantee'. Below this is a 'Product Search' box. The main header area includes 'Wells Fargo Online' and a series of tabs: 'Accounts', 'Bill Pay', 'Transfers', 'Brokerage', 'Account Services', 'Messages & Alerts', and 'Products & Offers'. Under the 'Accounts' tab, there are sub-tabs: 'Account Summary', 'Account Activity', 'My Money Map', 'Statements & Documents', and 'Wells Fargo vSafe'. The 'Account Summary' sub-tab is selected. The page shows the user's last sign-on date as August 09, 2011. On the left, there's a 'Communications Summary' section with a message about 8 new messages in the inbox. Below that, a promotional banner for 401(k)s is visible. The main content area is divided into two tables: 'Cash Accounts' and 'Credit Accounts'. The 'Cash Accounts' table lists a checking account with a balance of \$175.05 and a savings account with a balance of \$1,519.02, totaling \$1,694.07. The 'Credit Accounts' table lists a Visa credit card with an outstanding balance of \$3,328.85 and an available credit of \$7,150.00. At the bottom, there's a section for 'Additional Accounts and Services'.

Account	Available Balance	Related Activities
CHECKING XXXXXX9997	\$175.05	Add Bill Pay
SAVINGS XXXXXX4935	\$1,519.02	Open an FDIC-insured CD
Total	\$1,694.07	

Account	Outstanding Balance	Available Credit	Related Activities
VISA XXXX.XXXX.XXXX.7713	\$3,328.85	\$7,150.00	View My Spending Report
Total	\$3,328.85	\$7,150.00	

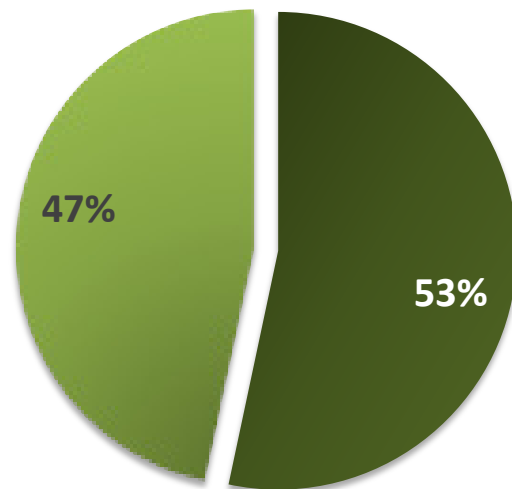
Secure Landing page - Web

3

Evaluation Criteria 2: Page real-estate is skewed towards customer needs as opposed to institutional objectives

Advertising offered

■ Yes ■ No



Customers expect to see their personal information. When too much advertising is used (including banking specific promotions), they feel the bank is not focusing on their needs.



Do not show too much advertising, if advertising is used it should relate to the specific customer.

Secure Landing page - Web

3

Evaluation Criteria 3: Customers are able to perform primary banking functions easily

Most banks offer links to key functions.

Customers are task-orientated when they visit their secure details. Therefore, this functionality should be readily available.

A clear information architecture aligned to customers' needs is imperative.

The screenshot shows the Credit Suisse Direct Net interface. The top navigation bar includes links for Help, Hotline, My Profile, Contracts, and Log off. Below this is a secondary navigation bar with tabs for ACCOUNTS & ASSETS, PAYMENTS, MARKET DATA & RESEARCH, CALCULATORS, and MESSAGE BOX. The main content area is titled 'List of Accounts' and features a table with columns for Account Number, Description, Holder, Currency, and Balance. The table lists several accounts, including a 'Current account' with a balance of CHF 1,234.56. A sidebar on the left contains links for Accounts, Bookings, Search Bookings, Estimated Balance, Statements of Account, General Overview, Virtual Portfolio, and File Download. The footer includes copyright information and links for Terms of Use and Privacy Policy.

The screenshot shows the OP.fi web portal interface. The top navigation bar includes links for Henkilöasiakkaat, Yritysasiakkaat, and OP-Pohjola-ryhmä. Below this is a secondary navigation bar with tabs for Etusivu, Edut, Tilit ja maksut, Kortit, Lainat, Säästöt ja sijoitukset, Vakuutukset ja vahingot, Asunnot, and Omat tiedot. The main content area is titled 'Tervetuloa uuteen OP-verkkopalveluun!' and features a table with columns for Tilin nimi, Tilinumero, Saldo, and Käytettävissä. The table lists several accounts, including a 'Testipäätili' with a balance of +110,49. A sidebar on the right contains links for Viestit, Soita, Konttori, Puhelinpalvelu, Kysyttyä, Oma pankkisi, and Kestääkö taloutesi? The footer includes copyright information and links for Terms of Use and Privacy Policy.

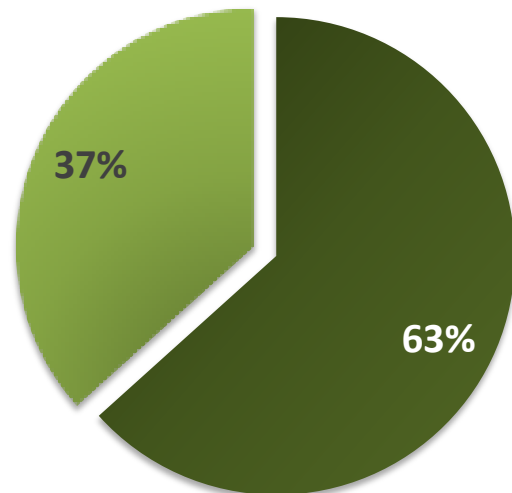
Secure Landing page - Web

3

Evaluation Criteria 4: Quick links to the most used functions provided

Quick links offered

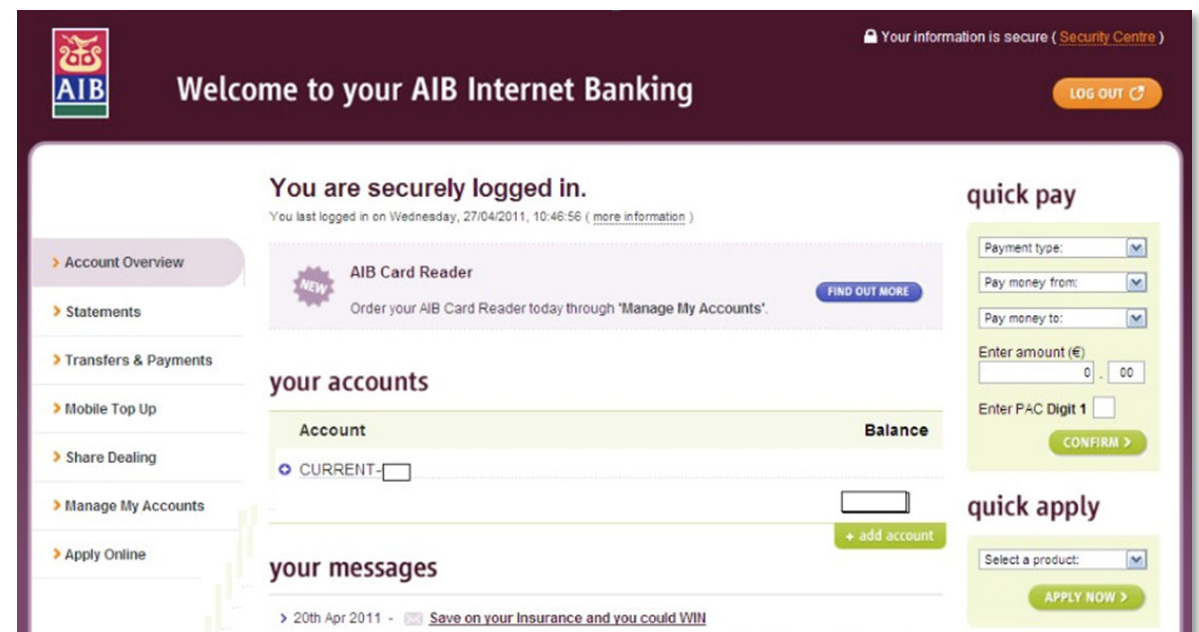
■ Yes ■ No



Most banks offer quick links to frequently used functions, however at times there are too many, or they are well hidden (thus defeating the point).

Quick links need to aid the customer to get deeper in the site quickly.

AIB does this well with their 'quick pay' option.



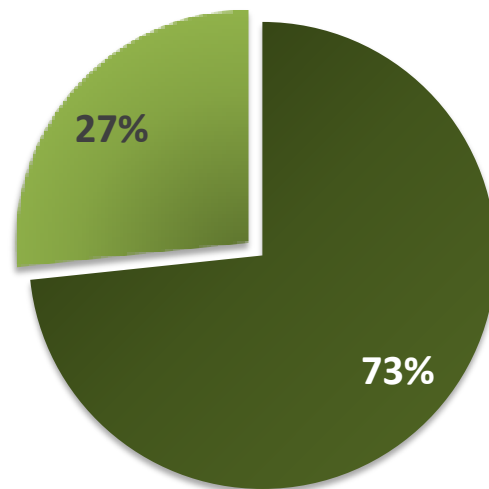
Secure Landing page - Web

3

Evaluation Criteria 5: Site feels secure and offers sufficient help

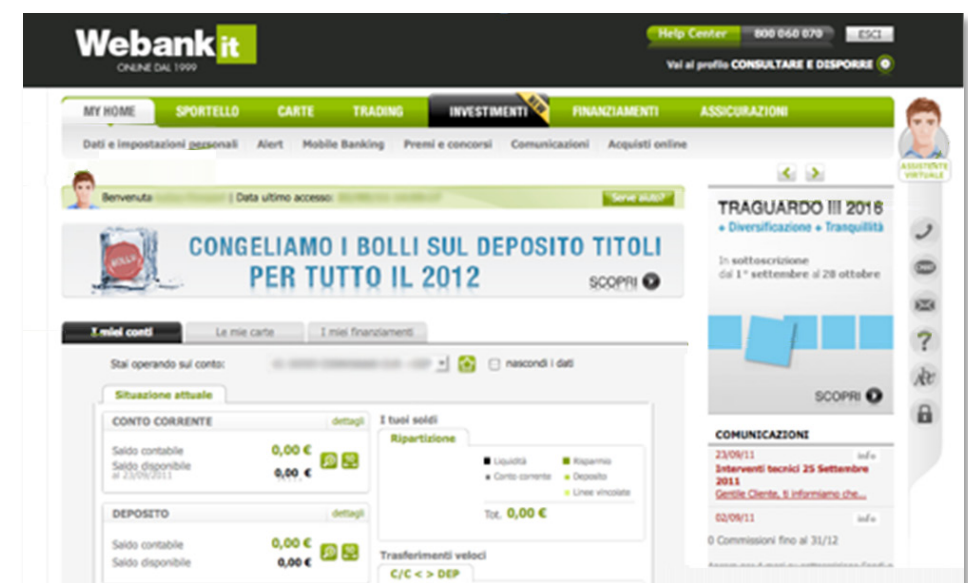
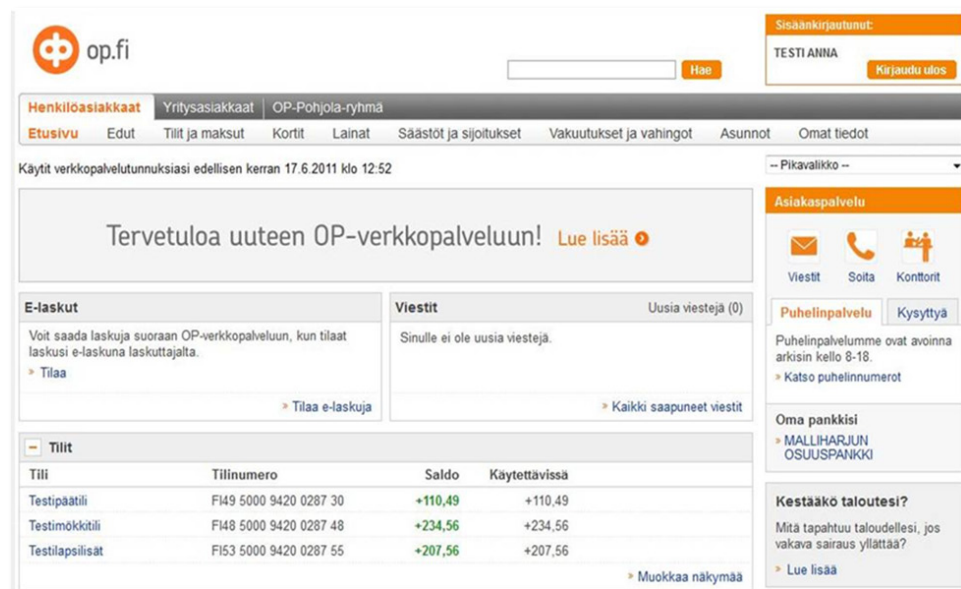
Security shown

■ Yes ■ No



There is an expectation that secure banking should give an indication that it is secure, yet some banks did not display this vital piece of information.

Help is often needed within the secure internet banking site, yet this seems to be hidden by many of the banks.



Key learnings

- ✓ Show an overview of accounts and balances as high-up on the page as possible
- ✓ Differentiate and promote customer-orientated info and ensure the page feels like the customer's page
- ✓ Do not promote institution objectives on the landing page and if you have to, make it less prominent and feature the benefits to the client
- ✓ Highlight the primary banking functions that can be performed
- ✓ Offer quick links or contextual links to functions that may be deeper within the site
- ✓ Visually display site security and back it up with details
- ✓ Offer contextual help

Secure Landing page - Web

3

Top banks that meets most of the evaluation criteria

Most the criteria met



TD Canada Trust



- ❖ Display an overview of accounts and balances
- ❖ Page real-estate is skewed towards customer needs as opposed to institution objectives
- ❖ Ability to perform primary banking functions
- ❖ Quick links to the most used functions
- ❖ Site feels secure and offer sufficient help

Secure landing page - Mobile

4

Evaluation Criteria

1. Display an overview of accounts and balances
2. Page real-estate is skewed towards customer needs as opposed to institution objectives
3. Ability to perform primary banking functions
4. Site feels secure and offers sufficient help

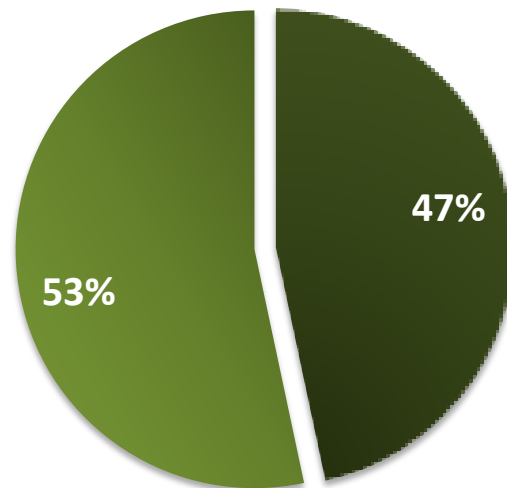
Secure Landing page - Mobile

4

Evaluation Criteria 1: Display an overview of accounts and balances

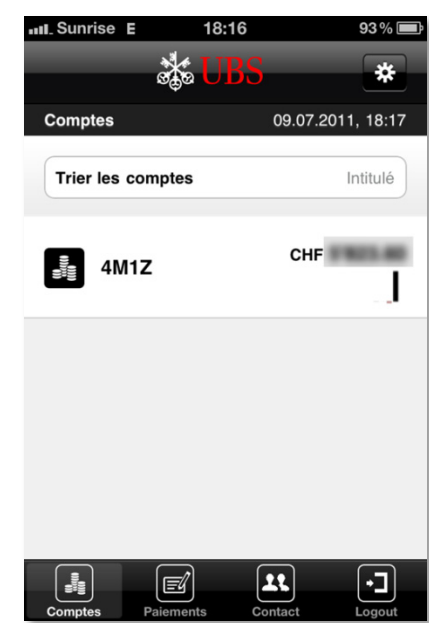
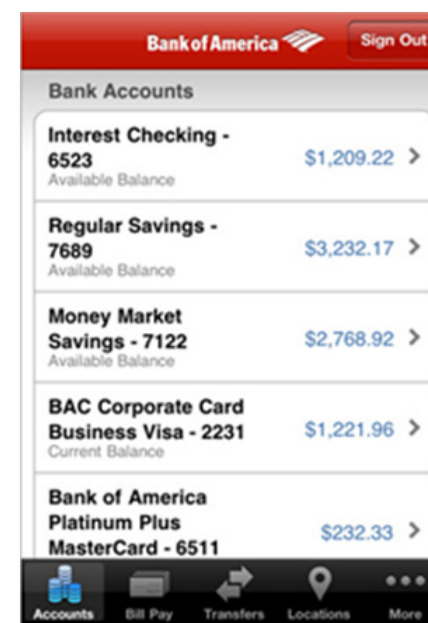
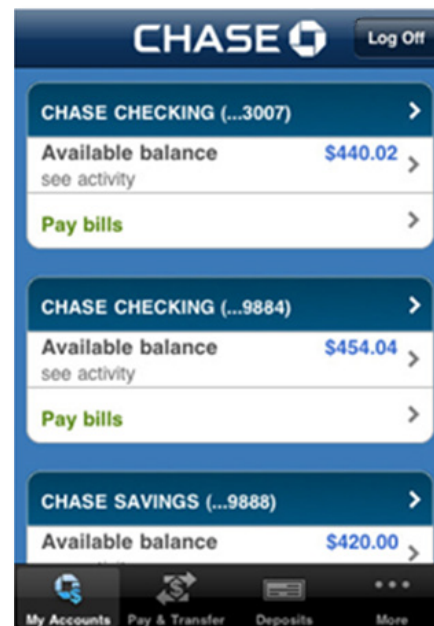
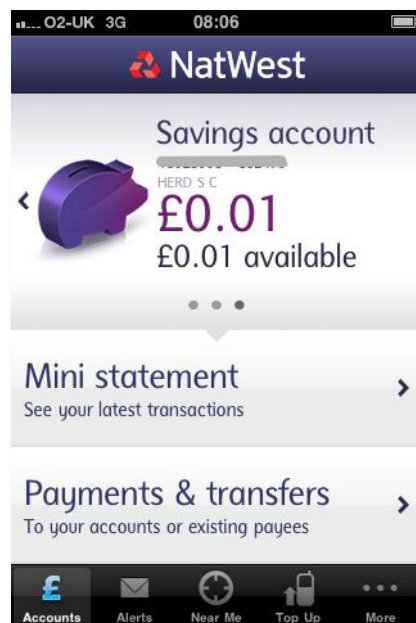
Accounts overview

■ Yes ■ No



Even though account balances are important for customers and likely to be the first action prior to doing anything, less than half the institutions offered this information on the secure landing page.

Some banks did make use of contextual links or a combination of functions and balances.



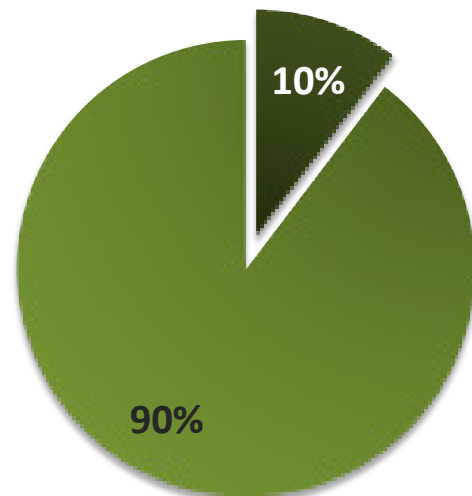
Secure Landing page - Mobile

4

Evaluation Criteria 2: Page real-estate is skewed towards customers' needs as opposed to institution objectives

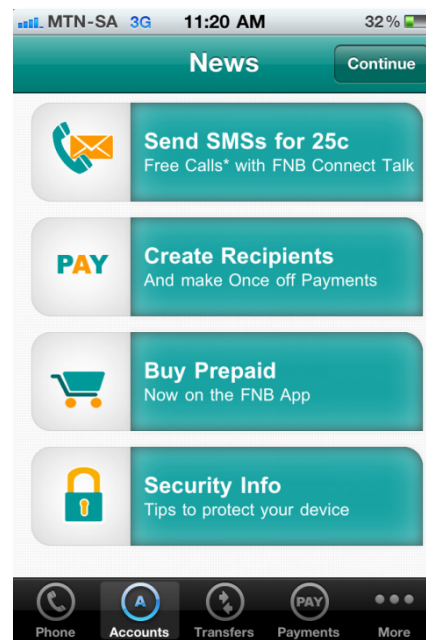
Advertising offered

■ Yes ■ No



Most of the mobile sites and apps are customer-centric, offering key tasks and tools focussed on the customers' needs, with the ability to personalise the homepage.

Only two institutions make use of advertising in this space.



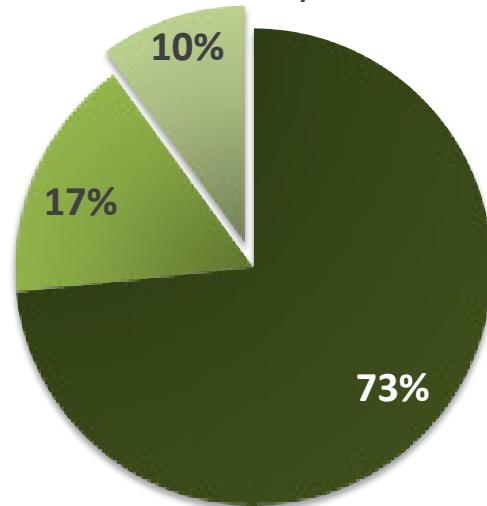
Secure Landing page - Mobile

4

Evaluation Criteria 3: Ability to perform primary banking functions

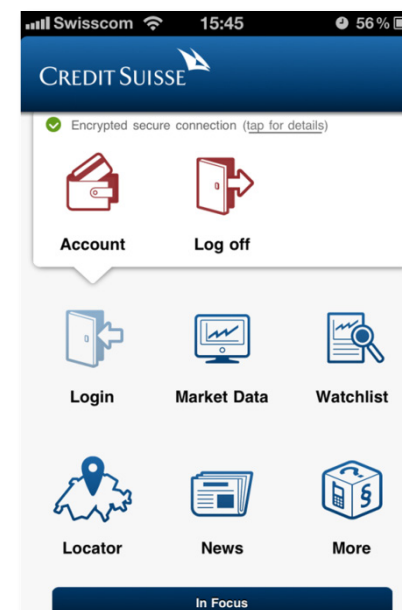
Primary functions offered

■ Yes ■ Yes very limited ■ No



Most banks offer the primary functions that customers would perform on the go.

Some offer limited functionality, or no functionality other than viewing balances.



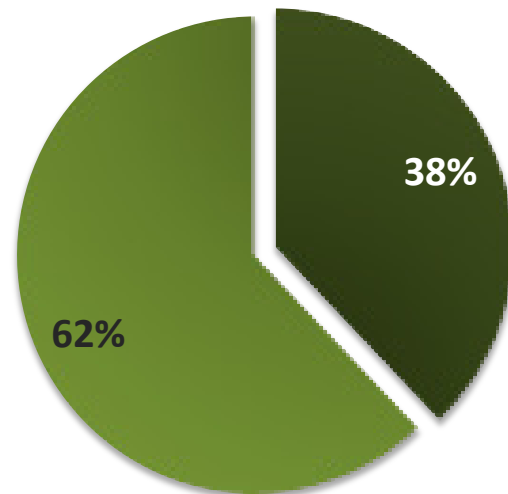
Secure Landing page - Mobile

4

Evaluation Criteria 4: Site feels secure and offers sufficient help

Security shown

■ Yes ■ No

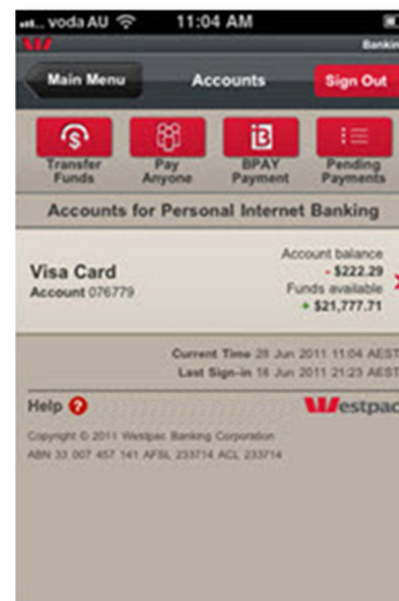
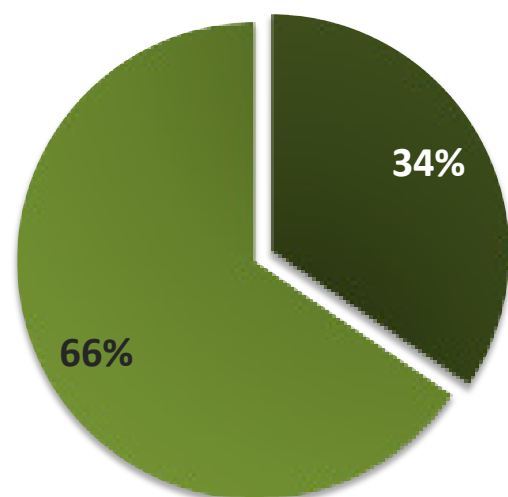


There is an expectation that secure mobile solutions give an indication that it is secure, yet some banks still missed this vital piece of information.

Though apps are supposed to be easy, for the beginner there seems to be little to no help offered by many of the banks.

Help offered

■ Yes ■ No



Key learnings

- ✓ Show an overview of accounts and balances on the page as high-up as possible
- ✓ Differentiate and promote customer-orientated information and ensure the page feels like the customer's page
- ✓ Do not promote institutional objectives
- ✓ Always highlight the primary banking functions that can be performed
- ✓ Visually display site security and back it up with details
- ✓ Offer contextual help

Secure Landing page - Mobile

4

Top banks that meets most of the evaluation criteria:

Meeting most the criteria

Bank of America 

CHASE 

Deutsche Bank 

 Hamburger Volksbank

 NatWest

 UniCredit

 UBS

 westpac GROUP

- ❖ Display an overview of accounts and balances
- ❖ Page real-estate is skewed towards customers need as opposed to institutional objectives
- ❖ Ability to perform primary banking functions
- ❖ Site feels secure and offers sufficient help

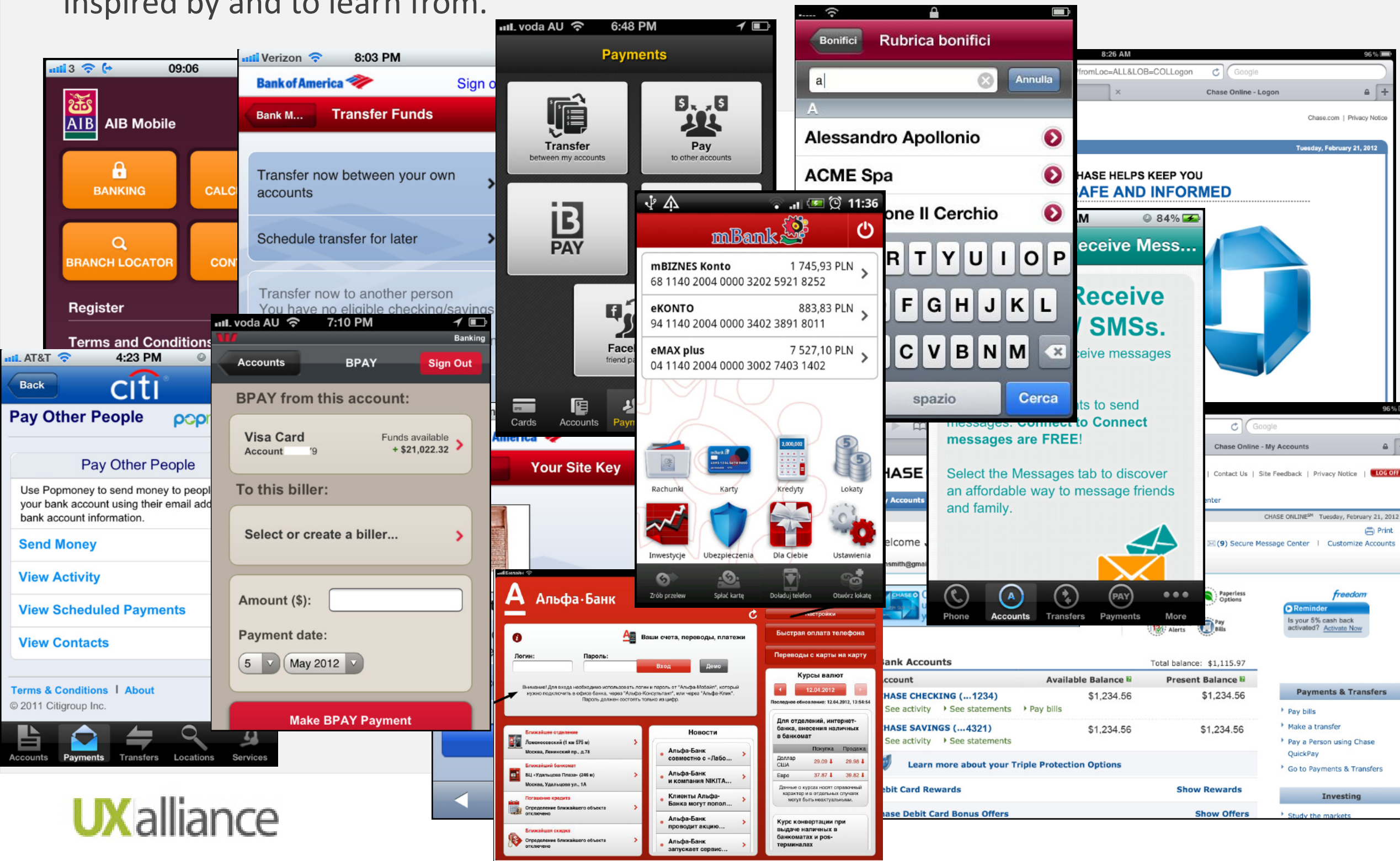
Conclusion

The entire journey for banking is vital and we only investigated two areas at a high-level. Based on those areas, the banks below are most worth keeping tabs on in terms of the experience they deliver to their customers.



We have more to do

We've have insights from the secure areas of websites, mobile sites and apps, for phones and tablets from around the world. There's a wealth of information to be inspired by and to learn from.



To find out more...

UXalliance

The global network for user experience

You can contact members of the UXA by emailing marketing@uxalliance.com or find our details on www.uxalliance.com

Compiled by Helga Letowt- Vorbeck
Helga@mantaray-it.com
www.mantaray.co.za



With the help of all the UXA members!

