

CLX.PortalApp

Cross-platform Portal App



Benefits

- Easy marketing in app stores
- improved user experience provided by a native app
- Simple distribution process of multi-platform features
- allows interaction between the web-based CLX.MobileBanking and purely native functionalities of devices
- allows easy integration of 3rd party content (web- based and native)
- reuse a lot of that work that clients have done for other mobile platforms and for their core web products

The Blended Brew: Feeling Native, but at the Core Being a Mobile Web App

Apps have become a preferred way of accessing information on mobile devices. But CREALOGIX wants to provide a unified experience and believes that the future are apps that use HTML5 inside a native wrapper app.

Whether you call it HTML5, mobile web or something else, HTML, CSS and Javascript are very productive tools for building compelling mobile experiences.

«People are looking for an either/or solution, but we provide both in one place,» states Thomas Avedik, CEO CREALOGIX E-Banking AG.

CREALOGIX offers a way to create an experience that is a blend of HTML5 and native mobile apps. How this works is that a rich internet architecture (RIA) web application is developed in HTML5 instead of proprietary formats. It is wrapped in a native app wrapper for, say, the iPhone. But this is just the beginning. Start integrating existing or new 3rd party native or web applications into the wrapper app. All your apps blended in one place!

CLX.PortalApp

Your Applications Prepared for Distribution

With the CLX.PortalApp CREALOGIX is rolling out the fully fledged CLX.MobileBanking HTML5 web app to a much larger range of devices. Under the hood, the app can take much more advantage of native phone features.

CO-EXISTENCE OF NATIVE AND WEB APPS

The multiplicity of devices is going to force content producers to think differently about how they build the user experiences for different sets of screens. In the touch-based mobile device era it is necessary to think of ways to have a single technology stack married to the ability to create unique experiences for different devices.

MORE BENEFITS

Easy access to **native features** and **hardware** (i.e. camera)

Easy access to **external hardware devices**

Scalability of security is determined by the bank

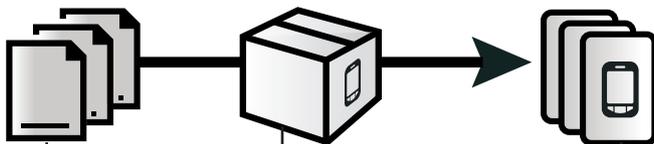
«**Built-in**» online banking app (i.e. Scan&Pay, data safe, ATM Locator, currency converter, payment wallet)



Rich Internet Architecture (RIA) Web Apps:
CLX.MobileBanking or apps by the bank

Web App Platform Functionalities:

Multi OS Handling, Session Handling, Navigation Handling



Single Code Base

PhoneGap

Deploy to Multiple Platforms

Features of the CLX.PortalApp

START SCREEN

- This screen shows up right after starting the CLX.PortalApp

CLX.MOBILEBANKING

- The main module of the CLX.PortalApp. It opens up a web view, and connects to the CLX.MobileBanking of the bank, i.e. to its login screen

CLX.PAYMENTSCANNER

- The utility for scanning payments with the mobile phone's photo camera

WEB SITE

- Web Sites can be integrated in different ways (external site, internal site, https or standard browsers of the mobile OS)
- Serving mobile app content on a web server is an easy way to provide content for apps on multiple mobile platforms.

PDF FILES

- PDF files may be integrated (link to external PDF file, internal PDF file)

NATIVE MODULES

- Native modules may be integrated into CLX.PortalApp
- Preferably, foreign content is made available on the web and links are included into the CLX.PortalApp. This approach simplifies multi-platform support.

Set up of CLX.PortalApp

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Mobile OS



iOS

Minimum operating system version:
4.3.3

For example:

iPhone3GS
iPhone4
iPod touch 3G
iPod touch 4G

Android

Minimum operating system version:
2.3.3

For example:

Samsung Galaxy SII
Samsung Galaxy SIII
Samsung Galaxy Nexus
Sony Xperia Pro
HTC Desire S HTC Wildfire S

BlackBerry

Minimum operating system version:
6.0

For example:

BlackBerry Torch 9800
BlackBerry Torch 9860

CLX.PortalApp

MOBILE BANKING SECURITY

- The CLX.PortalApp enables the inclusion of additional security features (i.e. authentication and transaction signing)

APP DISTRIBUTION SOLVED

- skillful fusion of useful functions and maximum user convenience
- creating an experience that is a blend of HTML5 and native mobile apps
- Simple distribution process of multi-platform features

A FUTURE ORIENTED WRAPPER APP

- co-existing native and web apps for multiple endpoints
- have the blended brew for great user experience on different screen sets
- multiple OS handling, session and navigation handling

CREALOGIX E-BANKING AG

CREALOGIX E-Banking AG is part of the CREALOGIX Group. Being part of this international, financially sound company ensures continuity and offers our customers security in the long term.

The shares of CREALOGIX Holding AG (CLXN) are traded on the SIX Swiss Exchange.

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FOR MORE INFORMATION PLEASE VISIT:

www.crealogix.com/ebanking

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