

BlackBerry® 10 Development

Creating Astonishing Applications

About Me

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- + SD Manager @ Viet Hop Software
- + Authorised BlackBerry® Development Trainer
- + BlackBerry® Dev Group Viet Nam Manager

BlackBerry® 10 Development

Try out the **NEW**
BlackBerry® 10
Developer Tools!

[» Explore the BlackBerry Platforms](#)



-  C/C++
Native SDK
-  HTML5
WebWorks
-  Action Script
Adobe AIR
-  Java
Android Runtime
-  Java
BlackBerry Java
-  Themes
Theme Studio

<http://developer.blackberry.com>

BlackBerry® 10 Development

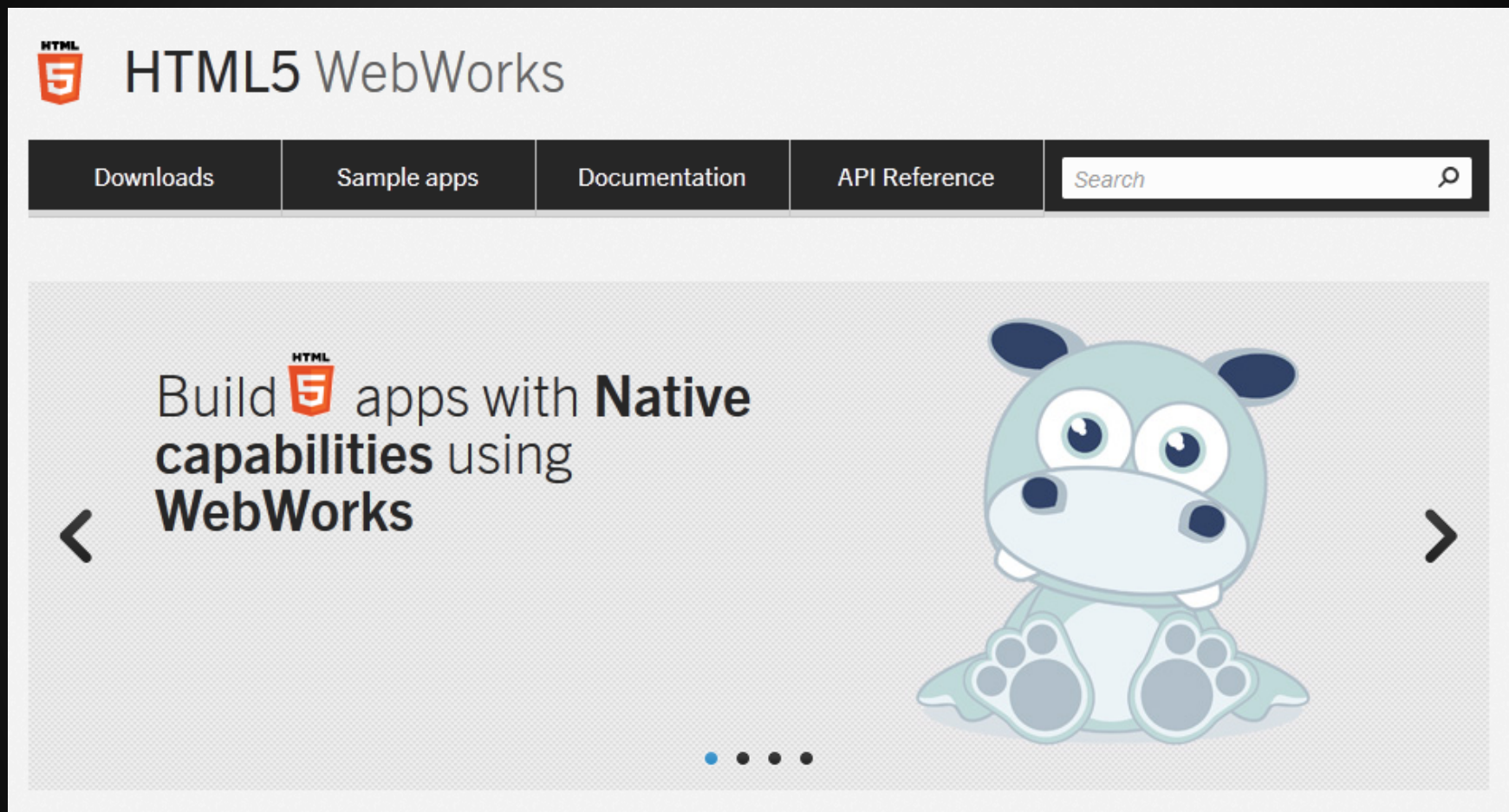
+ WebWorks


+ Native/Cascades

+ Android

+ Adobe AIR

BlackBerry® 10 WebWorks

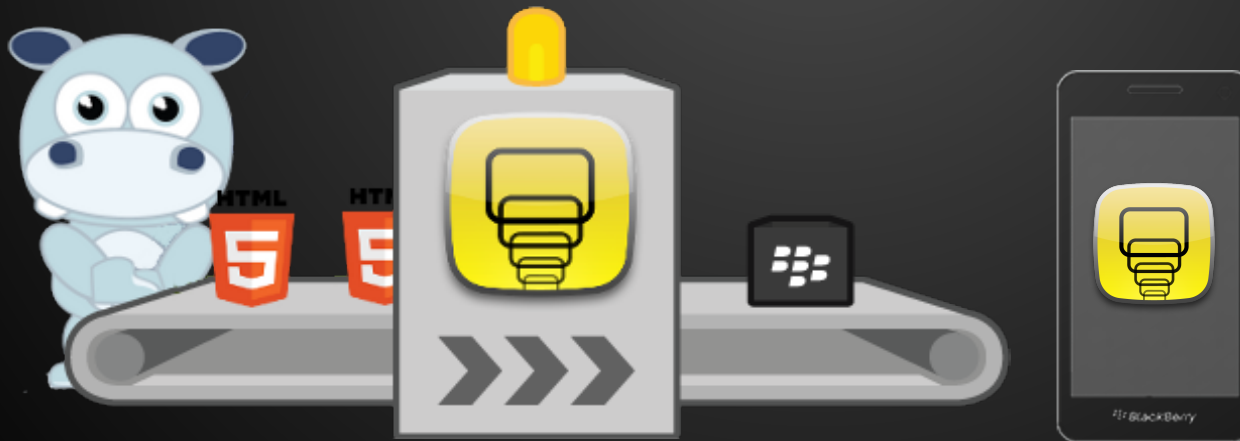


The screenshot shows the top portion of the BlackBerry 10 WebWorks website. At the top left is the HTML5 logo, followed by the text "HTML5 WebWorks". Below this is a dark navigation bar with four menu items: "Downloads", "Sample apps", "Documentation", and "API Reference". To the right of these items is a search bar with the placeholder text "Search" and a magnifying glass icon. The main content area features a large banner with a light gray background. On the left side of the banner, the text reads "Build  apps with **Native capabilities** using **WebWorks**". To the right of the text is a large, cute, light blue cartoon bear character with large eyes and paw prints. Navigation arrows (left and right) are positioned on either side of the banner text, and a series of four dots (the first one is blue) is centered below the banner.

<http://developer.blackberry.com/html5>

BlackBerry® 10 WebWorks

- + WebWorks is simply a standalone web application that you can deploy to a BlackBerry® smartphone or tablet
- + HTML5/JavaScript/CSS3
- + Native capabilities (GPS, Sensor, Camera[?])



04:31¹⁰
26/3/2012

Date and Time



Calculator



Gallery



App World

18:27⁴²

More Menu Options



Calculator



Camera



Video Recorder



Video Player



Search



Info



Hide



Music



Explorer



Notes




Add New



music/

 Media Sync/




 7-Days.mp3




 Candy Shop.mp3




 Canon-Rock.mp3




 Chi La Giac Mo Rmix.mp3




 Chi la - HNH - (R&B Version).mp3



 Chi-Pheo.mp3



 Dilemma.mp3



Back




Up



New Folder

Options

 Fly-Away




New Folder

 Folder.jpg




Copy


 I need a



Cut


 I-ll-Be-M

Rename

 I-m-You




Delete

 In-Da-Cl



Hide

 Lang-Th

 Love-Th



Back

BatBerry Favorites



Halloween Appearance
Good Fun



30 Cals Mounted
Look-Out!



Dash Panels
Fun with Lasers

More Progress



Software
BatBerry Controller



Side Intake
Scoop in some Air



Gauges
Keeping Informed



Actuators
Fun Stuff



Video Cameras
Hello There



Menu



Action 1



Action 2



Action 3



The Other Car



Cave
Dwelling



I Like
Orange



Bumps In
Da Trunk



Aggressive
Stance



Graffiti
Background



Racing
Brakes



Fish-eye
Lense



Shaved
Engine Bay



Custom
Touch



Menu

Online Resources

<http://developer.blackberry.com/html5>

<http://blackberry.github.com/webworks>

<https://github.com/blackberry/BB10-WebWorks-Samples>

<https://developer.blackberry.com/html5/documentation/>

<http://www.html5rocks.com/en/>

BlackBerry® 10 Native/Cascades

 Cascades™ for BlackBerry 10 BETA 2

Downloads

Sample apps

Documentation

API Reference

Search



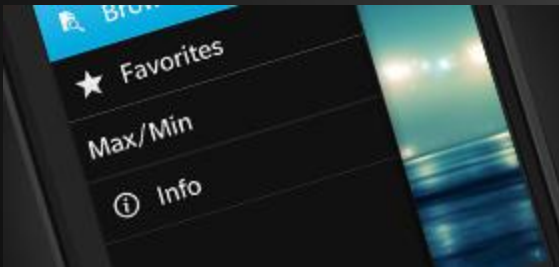
Try out the new
BlackBerry 10 framework
for building **astonishing**
UIs.



<http://developer.blackberry.com/cascades>

BlackBerry® 10 Native/Cascades

- + C/C++ Libraries, Qt, TAT Cascades UI Framework
- + C/C++, QML, Javascript languages
- + Direct OpenGL/Hardware access
- + Native capabilities (GPS, Sensor, Camera)



Cascades UI Framework



- + TAT(The Astonishing Tribe) by Hampus Jakobsson – Swenden UI Magician.
- + Acquired by RIM in 2010.
- + Built on top of the powerful Cross-Platform Qt 4.7
- + Keeps QML and replace most of Qt Quick
- + Native BlackBerry look and feel

<http://qt.nokia.com>



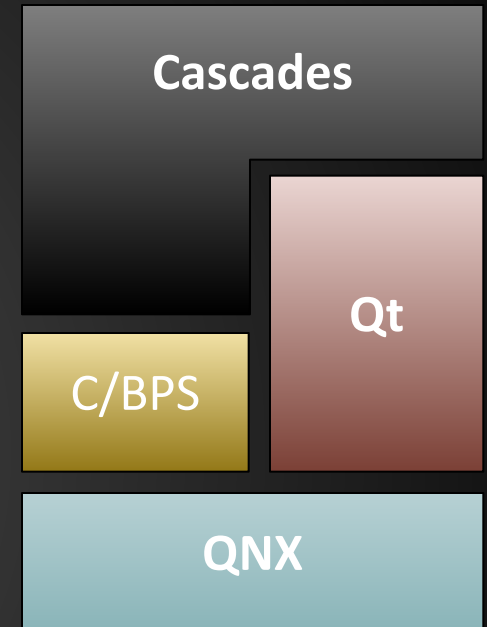
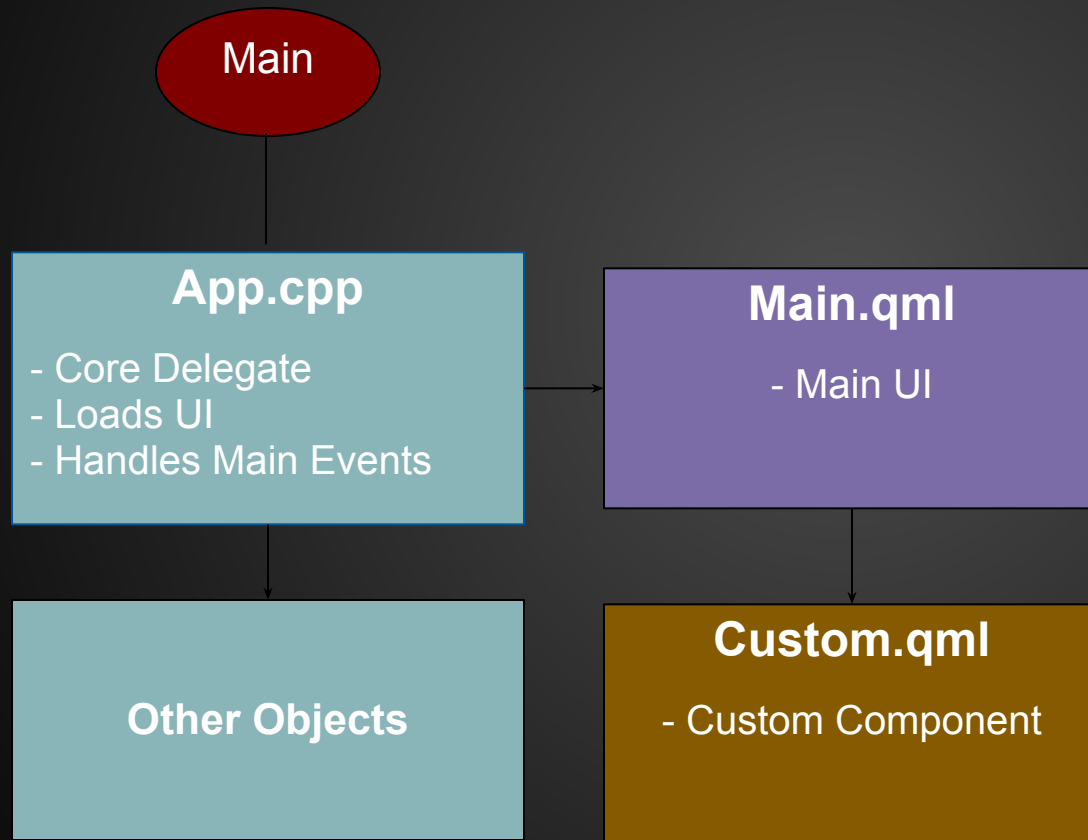
Code less.
Create more.
Deploy everywhere.

BlackBerry® 10 Cascades

Qt/Cascades(C++):

- ❑ Designed for Application/Game Development
- ❑ High-level Framework/API
- ❑ Can Still access OpenGL if need.
- ❑ Widgets, Scrolling, List, Label, Button❑
- ❑ Most of Qt libraries/modules
- ❑ QNX Momentics IDE – Eclipse with Plugins
- ❑ C/C++ Plugins
- ❑ Cascades UI Builder Plugin

BlackBerry® 10 Cascades



Cascades UI Framework

QML UI Design:

```
Button {  
    text: "A Button"  
    onClicked: {  
        // Handle click event  
    }  
}
```

C++ UI Design:

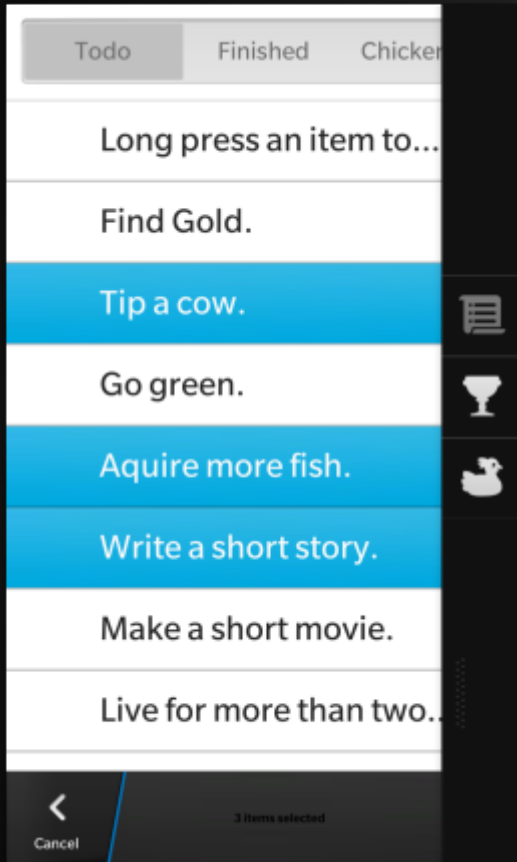
```
Button* myButton = Button::create("A Button");  
QObject::connect(myButton, SIGNAL(clicked()), this, SLOT(onButtonClick()));  
  
void MyApp::onButtonClick(){  
    //Handle click event  
}
```


BlackBerry® on GitHub

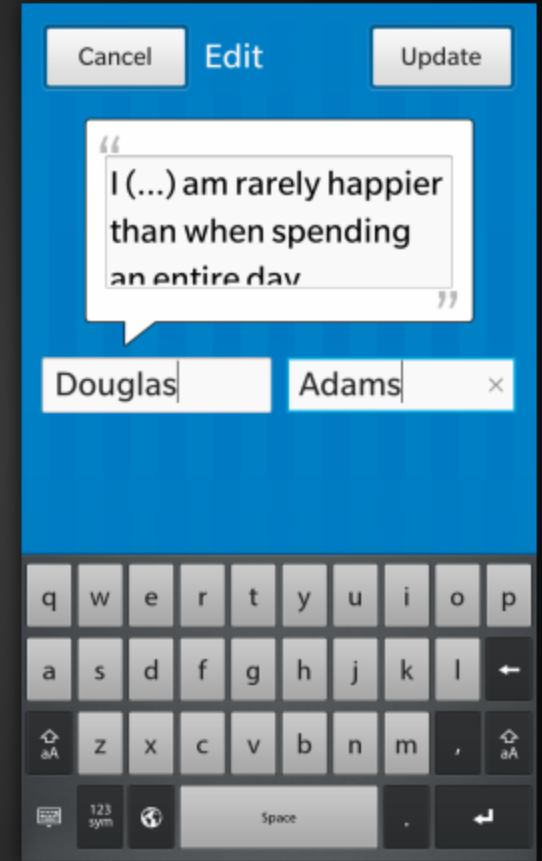
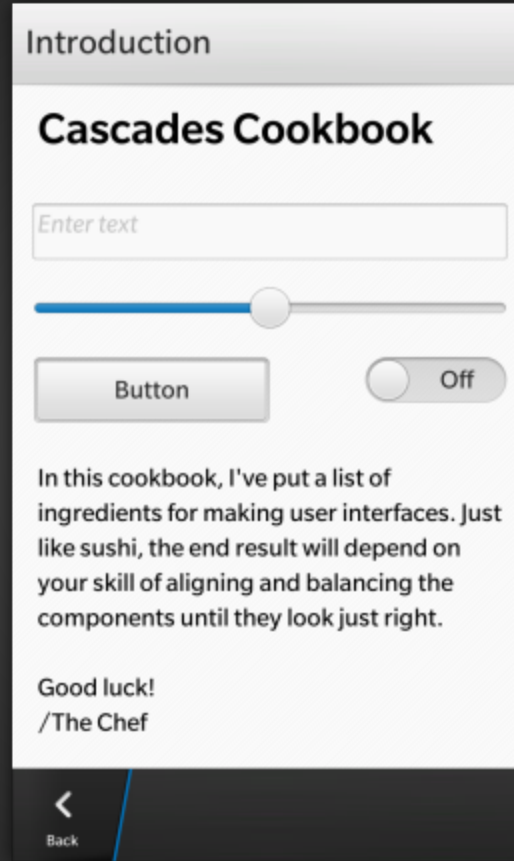
- Open Source Development Community
- Ported libraries and frameworks
- Created libraries and frameworks
- Collaborate and contribute
- Work directly with other BlackBerry Platform Developers

<http://blackberry.github.com/>

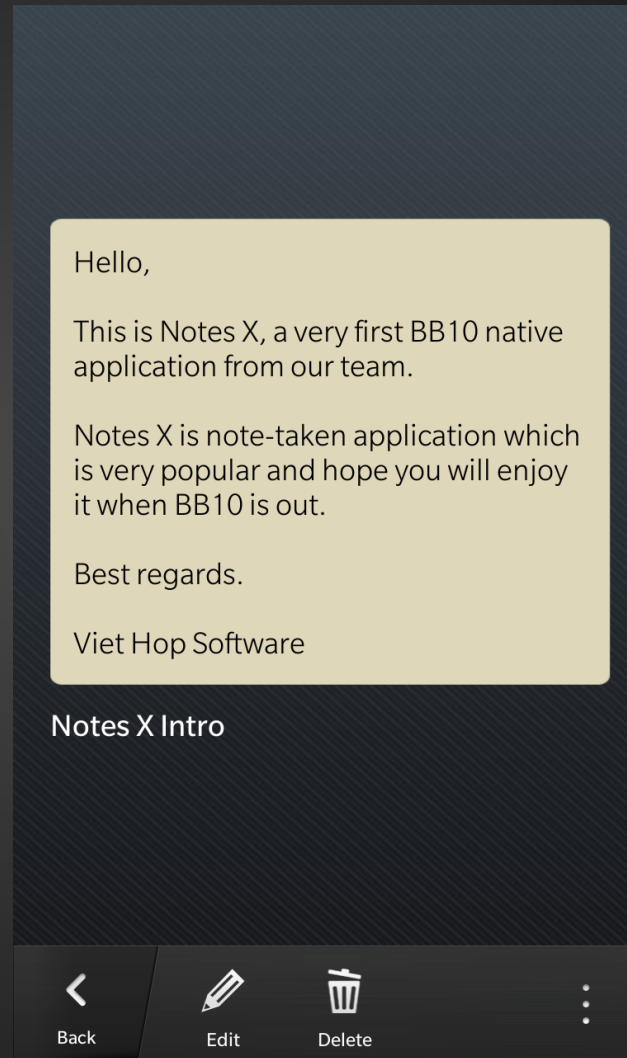
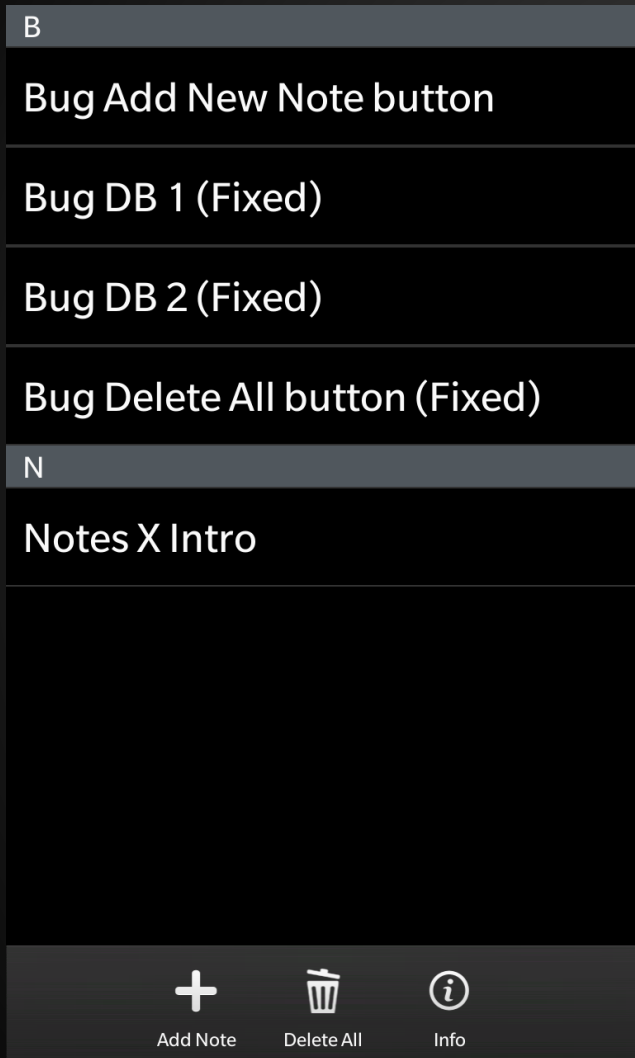
BlackBerry® 10 Cascades



BlackBerry® 10 Cascades



BlackBerry® 10 Cascades



BlackBerry® 10 Cascades

Hello,

This is Notes X, a very first BB10 native application from our team.

Notes X is note-taken application which is very popular and hope you will enjoy it when BB10 is out.

Best regards.

Notes X Intro

Cancel

Update



Back



Edit



Delete



Back

Welcome to Notes X, the very first BB10 Application from our team.

support.dauden@viethop.net

Notes X by Viet Hop Software.

Online Resources

<http://developer.blackberry.com/cascades>

<https://developer.blackberry.com/cascades/sampleapps/>

<http://blackberry.github.com/cascades/samples.html>

<https://github.com/blackberry/Cascades-Samples>

<http://qt-project.org/wiki>

<http://qt-project.org/doc/qt-4.7/>

BlackBerry Development Course

- + BlackBerry Java Development Course
- + BlackBerry WebWorks Course
- + BlackBerry Native Development using Cascades Course

BlackBerry Jam Asia 2012

27 Nov 2012 – 29 Nov 2012

Bangkok, Thailand

Free Conference Pass + Trip Fee for Hackathon Winner Group (Max of 4)

Information

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