Qt Mobility API Basic Examples Part 1

This article introduces 5 sample applications that demonstrate the capability of Qt Mobility.

This article needs to be updated: If you found this article useful, please fix the problems below then delete the {{ArticleNeedsUpdate}} template from the article to remove this warning.

Reasons: (13 Apr 2011)
Article needs to be verified against the Qt SDK and Qt Creator and then updated. It was previously tested using the Qt for Symbian platform SDK which is no longer supplied, and Carbide.c++ which doesn't work with the Qt SDK.

General Instructions for building the code examples

- Unzip the examples and use Qt Creator to open the .pro file
- Add certificate and keys for required capability
- Build to get the sisx file

Examples

QSystemDeviceInfoExample

This example shows how to read device information like

- IMEI
- IMSI
- Manufacturer
- Model
- ProductName

using QSystemDeviceInfo and shows on a Qt Dialog

File:QSystemDeviceInfoExample.zip - updated 25 November 2011 (tested on Symbian Anna Qt SDK 1.1.4)

QSystemDisplayInfoExample

This example shows how to read device display information like 1. Brightness 2. ColorDepth using QSystemDisplayInfo and shows on a Qt Dialog.

File:QSystemDisplayInfoExample.zip

QSystemInfoExample

This example shows how to read System information like

- CurrentLanguage
- AvailableLanguages Array
- CurrentCountryCode
- Version [OS, Core & Firmware]
- Device connection features like
  - Bluetooth
  - CameraFeature
  - FM RadioFeature
  - IrFeature
  - LedFeature
  - MemcardFeature
  - UsbFeature
  - VibFeature
  - WlanFeature
  - SimFeature
  - LocationFeature
  - VideoOutFeature
  - HapticsFeature

using QSystemInfo and shows on a Qt Dialog.

File:QSystemInfoExample.zip

QSystemNetworkInfoExample

This example gets the device network status also if find the corresponding SignalStrength , Mac Address, NetworkName using QSystemNetworkInfo and shows on a Qt Dialog.

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File:QSystemNetworkInfoExample.zip

QSystemStorageInfoExample

This example gets the all drives connected to device and list corresponding total & available using QSystemStorageInfo and shows on a Qt Table Widget.

File:QSystemStorageInfoExample.zip

QMessageServiceActionExample

This example takes phone number & text body from user and sends a SMS to phone number. It has option to delete the message in case it fails.

File:QMessageServiceActionExample.zip

QMessageStoreExample

This example reads all SMS & MMS messages from phone and displays in a tree like structure. when a node is selected the user can see the detailed message.

File:QMessageStoreExample.zip

QContactManagerExample

This example reads all contacts and shows as a list.when an element is selected the user can see the detailed of the contact.

File:QContactManagerExample.zip

QGeoPositionInfoSourceExample

This example reads current coordinates (using data network)and shows on a dialog. Mobility API used : QGeoPositionInfoSource & related APIs

File:QGeoPositionInfoSourceExample.zip

Sample Applications using above Qt Mobility APIs

Qt Forward SMS

This Sample application takes a destination Mobile number, and keep an eye on the inbox if a message is received then a notification message will be send to destination phone number with details / full content of the received SMS

File:QtForwardSMS.zip

Qt SMS Preview

This Example application keep an eye on the inbox if a message is received this application will show a Dialog with full content / summary of the SMS on screen. By using this application user do not have to open viewer to see what the message is all about.

Note: For SMS Monitoring the Qt Extension APIs are used (this sample application will be updated to use Qt Mobility only in future.)

File:Qt SMS Preview.zip

Qt Call Alert

This Example application observes of any calls and sends a message to a predefined number.

Note: For Call Monitoring the Qt Extension APIs are used (this sample application will be updated to use Qt Mobility only in future.)

File:Qt Call Alert.zip

Qt iReached

This example application will send a message to a predefined number when phone detects a pre-fixed co-ordinates by user.

File:QtIReached.zip

Qt AntiTheft

This example application will detect SIM change and send new SIM info's to a pre-defined number, so that user can recover his phone in-case of theft.

Note: this application requires auto-stating a exe on boot-up for that this application uses Symbian "Startup List Management API", will be updated to Qt

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only when APIs will be made available.

File:Qt AntiTheft.zip

Qt iAmHere

How many times have you spend ages trying to explain somebody where you are so that your friend can come to same position, and waste lots of time and money using call. With this application you can send a SMS that contains a link to your current position, receiver just have to click on the link to see your position on Google MAP.

File:QtIAmHere.zip

Reference links

- Qt - cross-platform application and UI framework
- Qt Mobility API
- SDK help

--skumar_rao 19:12, 2 April 2010 (UTC)

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