



ID	...	Creation date	June 22, 2009
Platform	S60 3rd Edition, FP1, FP2 S60 5th Edition	Tested on devices	Nokia 5800 XpressMusic
Category	Qt for Symbian	Subcategory	

Keywords (APIs, classes, methods, functions): XQInstaller::applications()

Overview

This code snippets shows how to get name and UID of installed applications on device. The XQInstaller class provides information about the installed applications.

This snippet requires TrustedUI capabilities. Self-signing is not possible because a Developer Certificate is needed.

Preconditions

- Download and Install latest version [Qt for Symbian - Installation packages](#) which has links on how to install the latest version

Headers required

```
#include <XQInstaller>
```

.pro file

```
symbian:LIBS += -lswinstcli \
    -lcommdb \
    -lapparc \
    -lefsrv \
    -lapgrfx
symbian:TARGET.CAPABILITY += TrustedUI
```

Source

```
void GetInstalledApps::GetApps()
{
    XQInstaller* installer = new XQInstaller(this);
```

Get_list_of_installed_applications_and_its_UID_in_Qt

```
/* Get List of applications.
 * type of m_applications is QMap<QString, uint>.
 */
m_applications_installer->applications();

/* Get List of application names
 *type of m_appNames is QList<QString>
 */
m_appNames = m_applications.keys();

/* Get List of application UID in decimal.
 *type of m_appUID is QList<uint>
 */
m_appUID = m_applications.values();

listWidget->clear();
for (int i = 0; i < m_appNames.count(); i++)
{
    ;    QString str
/* convert UID from decimal to hex and then string. */
    setNum(m_appUID.at(i),16);
    /* append name and UID to string */
    (m_appNames.at(i)+" UID:"+ str);
/* append string to list widget to display on screen */
    listWidget->addItem(string);
}

/* Let's make the UI scale so that we can scroll it. */
QScrollArea = new QScrollArea;
scrollWidget(ui.listWidget);
scrollWidgetResizable(true);

/* setCentralWidget() takes ownership of scrollArea and deletes it at the appropriate time
setCentralWidget(scrollArea);
}
```

Postconditions

The code snippet is expected to show a list of all installed applications with its UID.



Code Example

- The [Code Example](#) will show a list of all installed application with UID. The application is tested on Nokia 5800 XpressMusic.

Related Links

- [Silent installation/uninstallation of application in Qt](#)