Get list of installed applications and its UID in Qt

Deprecated:This code snippets shows how to list the names and UIDs of installed applications on device using the Qt Mobile Extension XQInstaller.

Tip: This article and associated mobile extensions has not been superseded in Qt Mobility 1.0.

Headers required

```
#include <XQInstaller>
```

.pro file

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

Source

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

 /* Get List of applications.
     * type of m_applications is QMap<QString, uint>.
     */
 m_applications = m_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();

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

 /* Let's make the UI scale so that we can scroll it. */
 QScrollArea* scrollArea = new QScrollArea;
 scrollArea->setWidget(ui.listWidget);
 scrollArea->setWidgetResizable(true);

        /* setCentralWidget() takes ownership of scrollArea and deletes it at the appropriate time. so no need to delete scrollArea
 setCentralWidget(scrollArea);
}
```

Postconditions

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

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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

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