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Category	Qt for Symbian	Subcategory	Base/System

Keywords (APIs, classes, methods, functions): QDesktopServices

Overview

This code snippet demonstrates how to use `QDesktopServices`.

`QDesktopServices` provides an API for the application to perform common tasks; open a web page, open a picture gallery, or find movie files from the device.

Note: In order to use this code, you need to have Qt for S60 installed on your platform.

Preconditions

- Install latest Qt for S60 see [Qt for S60 - Installation packages](#)
- Check this link for installation guide: [How to install the package](#).
- Go through this article: [Getting started with Qt for S60](#)

Header

```
#include <QDesktopServices>
#include <QStringList>
#include <QString>
#include <QList>
#include <QDir>
#include <QFileInfoList>
#include <QFileInfo>

QList<QString>  pictures;
```

Source

Search for the device's picture folder:

```
// Search device picture location directory
QDir picturesDir;
picturesDir.setPath(QDesktopServices::storageLocation
(QDesktopServices::PicturesLocation));
```

Search for pictures in the device's picture folder:

```
// Search files from the directory
QFileInfoList fileList = picturesDir.entryInfoList(QStringList(),
QDir::Files | QDir::Dirs, QDir::Time);
for (int i = 0; i < fileList.size(); ++i)
{
    QFileInfo fileInfo = fileList.at(i);

    if (fileInfo.isHidden())
        continue;

    #ifndef Q_OS_SYMBIAN
    if (fileInfo.filePath().length() > 0 &&
        fileInfo.filePath().right(1) == ".")
        continue;

    if (fileInfo.filePath().length() > 1 &&
        fileInfo.filePath().right(2) == "..")
        continue;
    #endif

    // File found
    if (fileInfo.isFile())
    {
        if (fileInfo.filePath().indexOf(QString(".jpeg"),
0, Qt::CaseInsensitive) > 0 ||
            fileInfo.filePath().indexOf(QString(".jpg"),
0, Qt::CaseInsensitive) > 0)
        {
            // Store picture path to array
            pictures.append(fileInfo.filePath());
        }
    }
    // Directory found
    else if (fileInfo.isDir())
    {
        // TODO: we do not handle sub-directories
    }
}
```

Open the first picture into the device's built-in picture gallery application:

```
QDesktopServices::openUrl(QUrl("file:/// " + pictures[0]));
```

Open an HTML page into the device's built-in HTML browser application:

Source

```
QDesktopServices::openUrl(QUrl("http://www.forum.nokia.com"));
```

See also

- For more information about QDesktopServices, see [QDesktopServices Class Reference](#)

Postconditions

The device's image folder is found and opened in the device's built-in picture gallery.