

<b>ID</b>	...	<b>Creation date</b>	June 18, 2009
<b>Platform</b>	S60 3rd Edition, FP1, FP2 S60 5th Edition	<b>Tested on devices</b>	Nokia 5800 XpressMusic
<b>Category</b>	Qt for S60	<b>Subcategory</b>	UI

**Keywords (APIs, classes, methods, functions):** QFileDialog::getExistingDirectory(), QDir::entryList()

## Overview

This code snippets shows how to get a list of files from a given directory and how to use QFileDialog to select directories. The method QDir::entryList() returns a list of the names of all the files and directories in the directory. QFileDialog::getExistingDirectory() will return an existing directory selected by the user, this dialog can allow the you to select directory of your choice.

This snippet can be self-signed. As it does not use any API which require developer/certified signing.

## Preconditions

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

## Headers required

```
#include <QDir>
#include <QFileDialog>
```

## Source

```
#include <QtGui/QApplication>
#include "mainwindow.h"

int main(int argc, char *argv[])
{
    QApplication a(argc, argv);
    MainWindow w;
    w.show();
    return a.exec();
}

#ifdef MAINWINDOW_H
#define MAINWINDOW_H
```

## How\_to\_use\_QDir\_and\_QFileDialog

```
#include <QtGui/QMainWindow>
#include <QDir>

namespace Ui
{
    class MainWindow;
}

class MainWindow : public QMainWindow
{
    Q_OBJECT

public:
    MainWindow(QWidget *parent = 0);
    ~MainWindow();

private slots:
    void changeDirectory();
    void fillList();

private:
    Ui::MainWindow *ui;
    QDir directory;
};

#endif // MAINWINDOW_H

#include <QFileDialog>
#include "mainwindow.h"
#include "ui_mainwindow.h"

MainWindow::MainWindow(QWidget *parent)
    : QMainWindow(parent), ui(new Ui::MainWindow), directory("/")
{
    ui->setupUi(this);

    connect(ui->actionChange_directory, SIGNAL(triggered()), this, SLOT(changeDirectory()));

    fillList();
}

MainWindow::~MainWindow()
{
    delete ui;
}

void MainWindow::changeDirectory()
{
    /* select a directory using file dialog */
    QString path = QFileDialog::getExistingDirectory (this, tr("Directory"), directory.path());
    if ( path.isNull() == false )
    {
        directory.setPath(path);
        fillList();
    }
}

/*get list of file from given directory and the append it to listWidget */
void MainWindow::fillList()
{

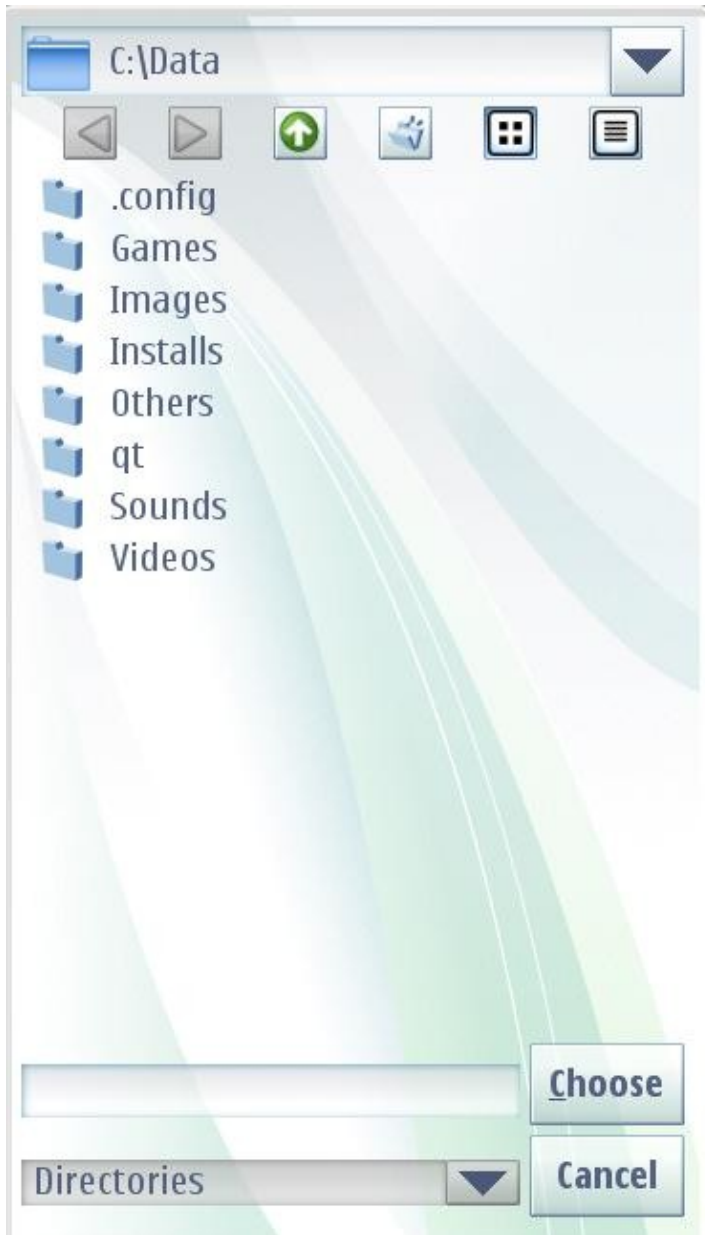
```

```
ui->listWidget->clear();  
ui->listWidget->addItem(directory.entryList());  
}
```

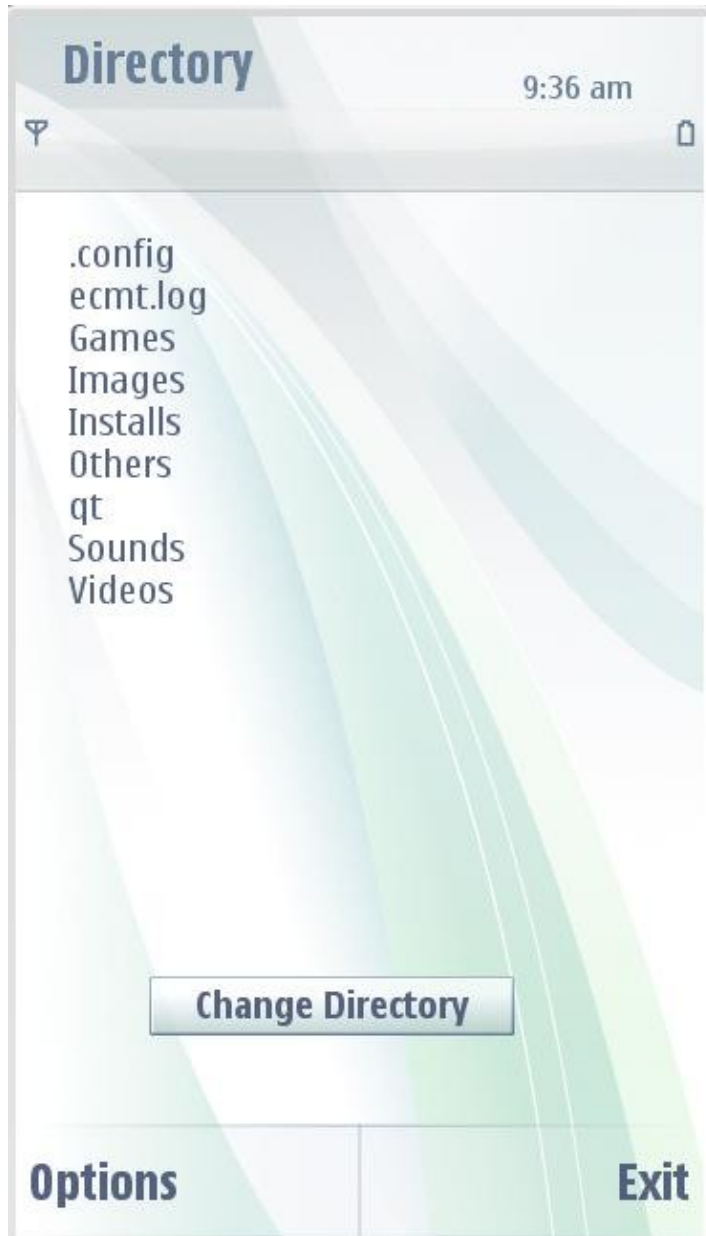
## Postconditions

The code snippet is expected to show get a list of files in a given directory.

### Select/change Directory using QFileDialog



### Get list of files using QDir



## External Links

- QDir: [QDir reference](#)
- QFileDialog: [QFileDialog reference](#)

## Code Example

- The [Code Example](#) will show how to get list of files from given directory and is tested on Nokia 5800 XpressMusic.

## Related Links

- [Save and Open Files with QFileDialogBox](#)