Archived:How to use QGroupBox in Qt

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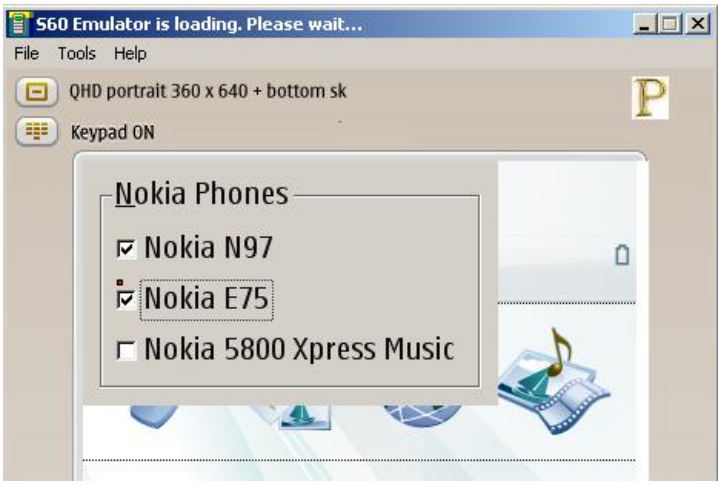
Qt Quick should be used for all UI development on mobile devices. The approach described in this article (using C++ for the Qt app UI) is deprecated.

Overview

A QGroupBox box is a `QWidget` for grouping other widgets. It provides a frame, a title and a keyboard shortcut. The title is on top, the keyboard shortcut moves keyboard focus to one of the group box's child widgets.

It is used to make a specific group of same kind or different kind of widget

```
QGroupBox *group=new QGroupBox();
```



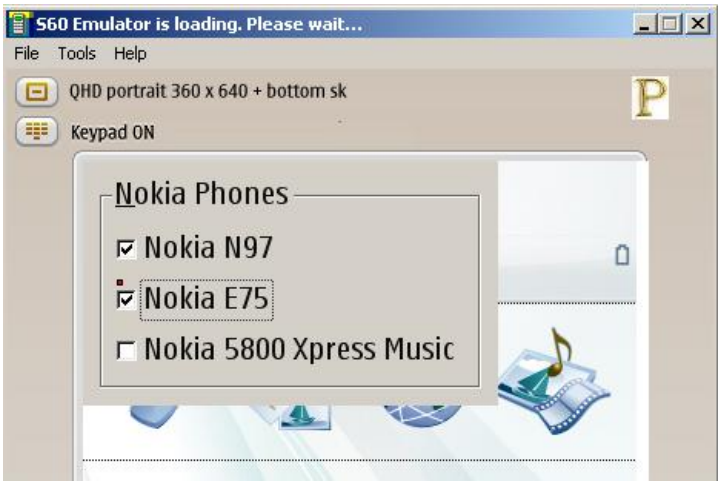
Preconditions

- Download and install the Qt SDK

Various Function

- To set the title of QGroupBox.

```
group->setTitle("&Nokia Phones");
```



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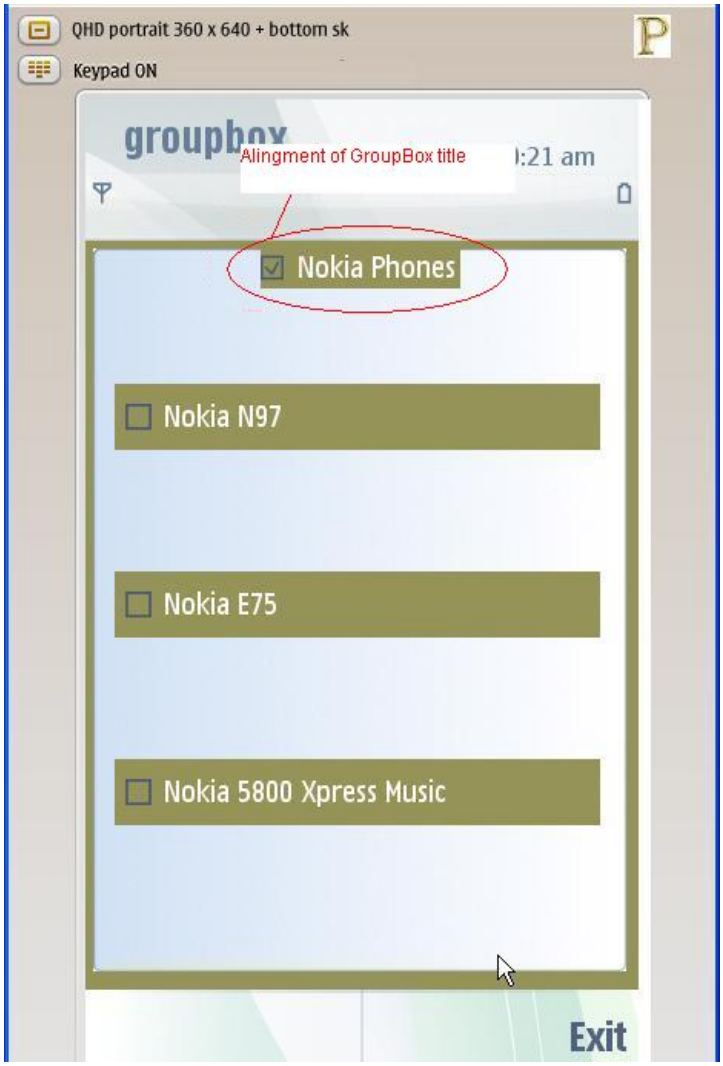
- To Align the title that is **"Right,Left,center"**.

```
group->setAlignment(Qt::AlignHCenter);
```



- To set The layout of QGroupBox.

```
QVBoxLayout *layout=new QVBoxLayout();
QGroupBox *group=new QGroupBox();
group->setLayout(layout);
```

- To make the title checkable,So that until or unless the title checkBox value is "false" the QGroupBox is disable and if it is "true" the QGroupBox is enable

```
group->setCheckable(true);
```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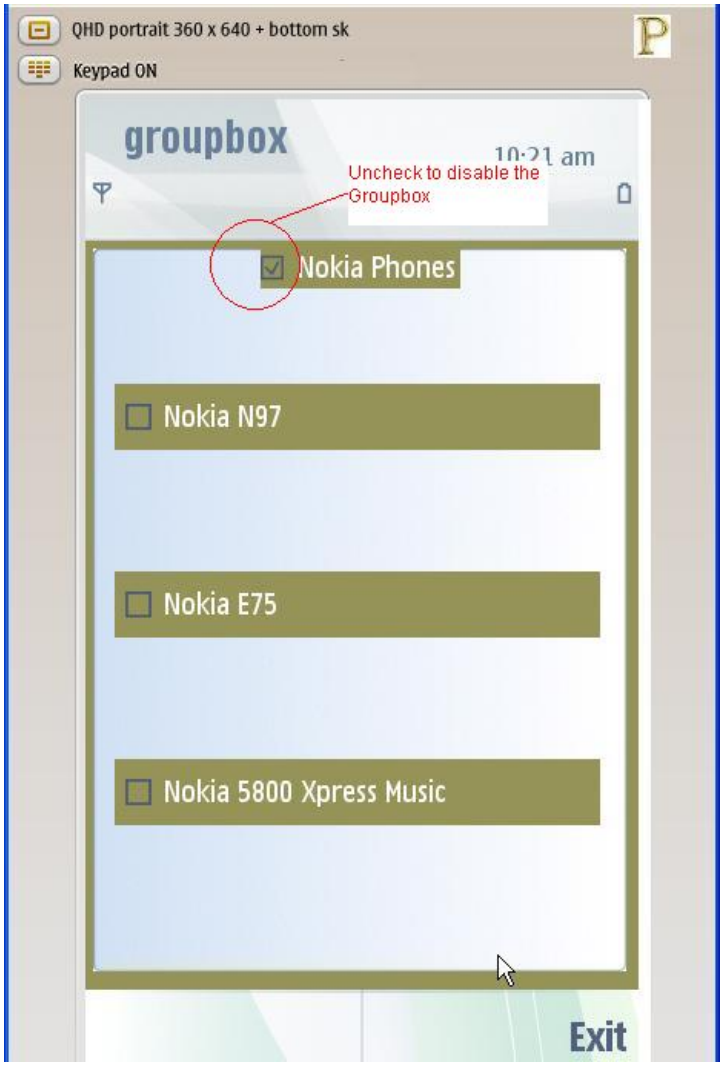

Remember

- **You have to first of all set the layout of the `QGroupBox` then after we have to add this widget in our main window.**

Source Code

```
#include <QtGui>
#include <QApplication>
#include<Qwidget>
#include<QGroupBox>
#include<QCheckBox>
int main(int argc, char *argv[])
{
    QApplication a(argc, argv);
   QWidget *window=new QWidget();
   QVBoxLayout *layout=new QVBoxLayout();
   QVBoxLayout *layout1=new QVBoxLayout();
   QGroupBox *group=new QGroupBox();
   group->resize(300,300);
   group->setLayout(layout);
   group->setAlignment(Qt::AlignHCenter);
   group->setCheckable(true);
   QCheckBox *chk1=new QCheckBox("Nokia N97");
   QCheckBox *chk2=new QCheckBox("Nokia E75");
   QCheckBox *chk3=new QCheckBox("Nokia 5800 Xpress Music");
   group->setTitle("&Nokia Phones");
```


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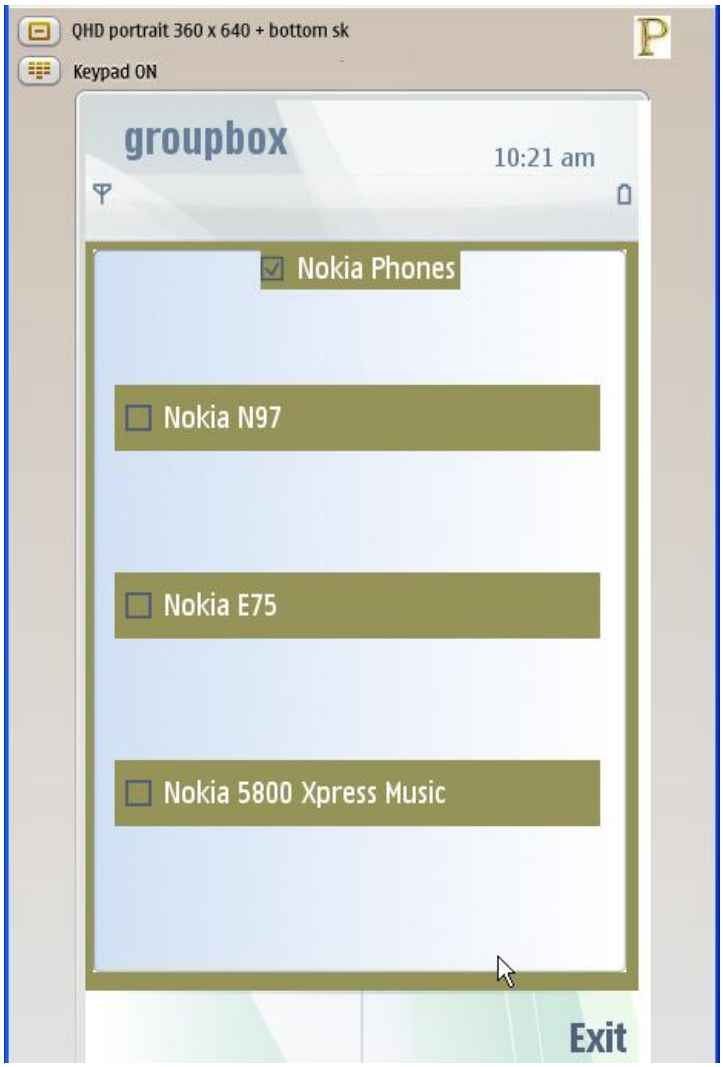
```
    layout1->addWidget(group);
    layout->addWidget(chk1);
    layout->addWidget(chk2);
    layout->addWidget(chk3);
    window->setLayout(layout1);
    window->showMaximized();
    window->setStyleSheet("* { background-color:rgb(150,147,88); padding: 7px ;
color:rgb(255,255,255)}");
    return a.exec();
}
```

ScreenShot



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