Archived:How to use a QTabWidget

Archived: This article is **archived** because it is not considered relevant for third-party developers creating commercial solutions today. If you think this article is still relevant, let us know by adding the template {{ReviewForRemovalFromArchive|user=~~~~|*write your reason here*}}.

Qt Quick should be used for all UI development on mobile devices. The approach described in this article (based on QWidget) is deprecated.

This example shows how to create a QTabWidget, and add other widgets to the different tabs.

Preconditions

- Download and install the Qt SDK

How this Widget is created

1. Create a QTabWidget.
2. Create a QWidget for each of the pages in the tab dialog, but do not specify parent widgets for them.
3. Insert child widgets into the page widget, using layouts to position them as normal.
4. Call `addTab()` or `insertTab()` to put the page widgets into the tab widget, giving each tab a suitable label with an optional keyboard shortcut.

Features

- We can drag any of the the tab bar in any positon in window area only.
- If Their are large number of tab we can inset `setScroll` event and have a scroll bar to switch between TAB BAR

Various Function

- This property controls how items are elided when there is not enough space to show them for a given tab bar size.

```
wid->setElideMode(Qt::ElideRight);
```

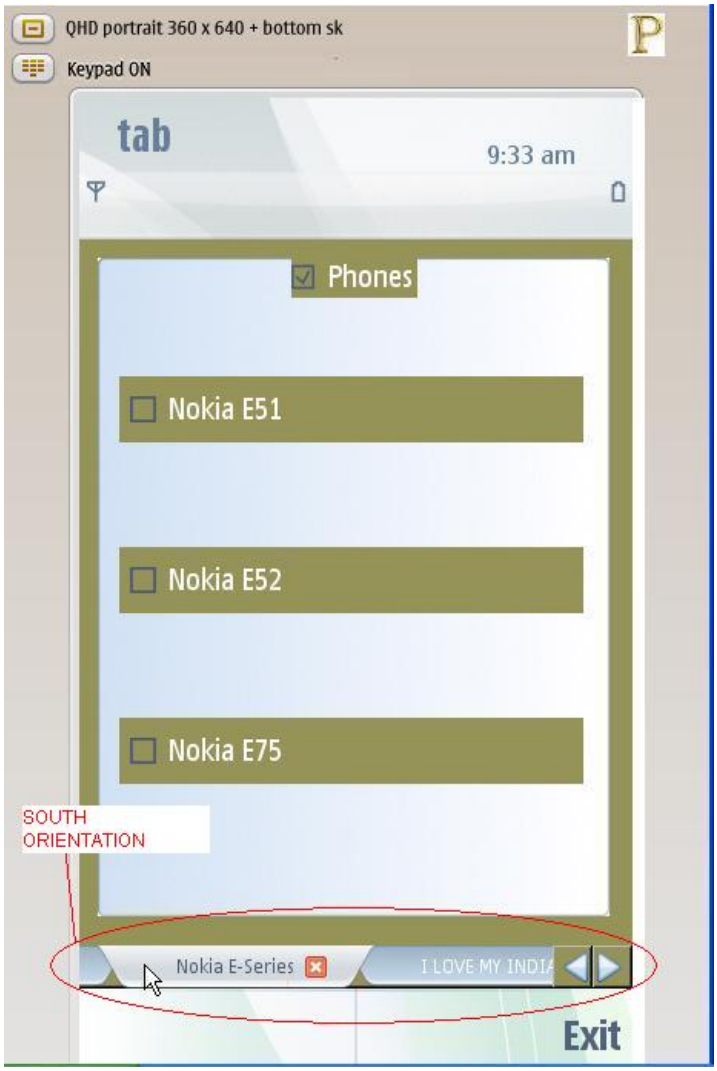
- To add Tab To Tab Bar

```
 wid->addTab(window,str);
```

- This property holds the position of the tabs in this tab widget.

```
wid->setTabPosition(QTabWidget::South);
```

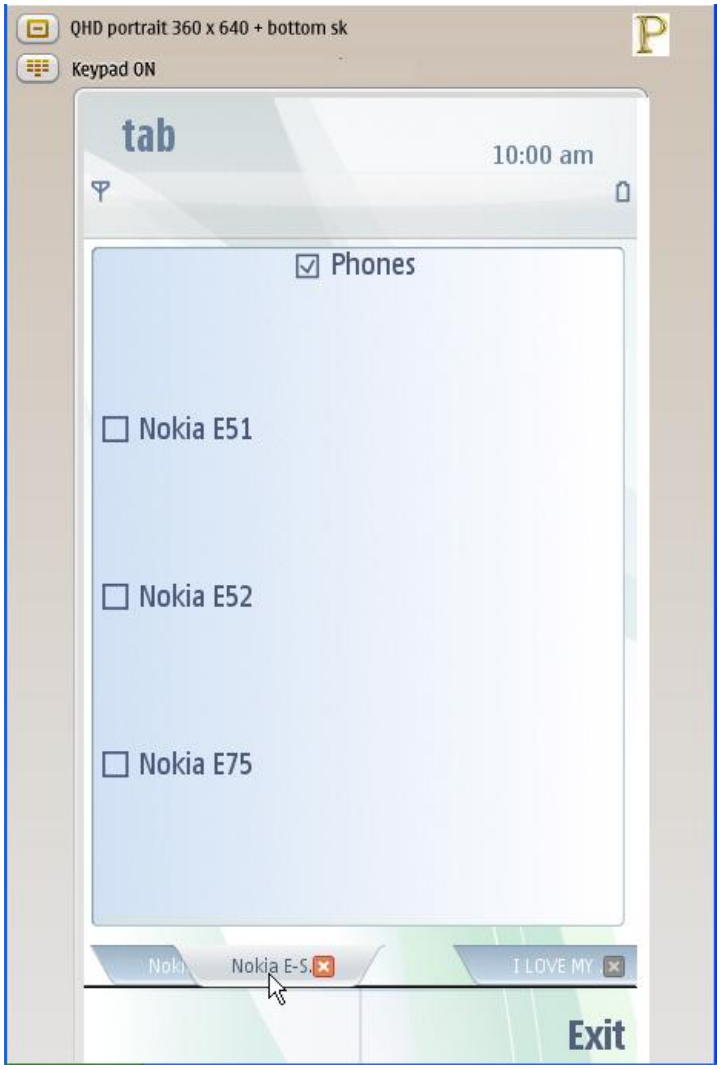

(C) Copyright Nokia 2014. All rights reserved.



- This property holds this property holds whether the user can move the tabs within the tabbar area

```
wid->setMovable(1);
```


(C) Copyright Nokia 2014. All rights reserved.



- This property holds whether or not a tab bar should place close buttons on each tab.

```
wid->setTabsClosable(1);
```


(C) Copyright Nokia 2014. All rights reserved.

Source Code

```
#include <QtGui/QApplication>
#include "tabwidgetdialog.h"
#include <QtGui>
#include <QApplication>
#include<QWidget>
#include<QGroupBox>
#include<QCheckBox>
#include<QTabWidget>
#include<QString>
#include<QRadioButton>
int main(int argc, char *argv[])
{
    QApplication a(argc, argv);
    QTabWidget *wid=new QTabWidget();
    QString str("Nokia N-Series");
    QString str1("Nokia E-Series");
    QString str2("I LOVE MY INDIA");
    QWidget *window=new QWidget();
    QVBoxLayout *layout=new QVBoxLayout();
    QVBoxLayout *layout1=new QVBoxLayout();
    QGroupBox *group=new QGroupBox();
    group->resize(300,300);
    group->setLayout(layout);
```

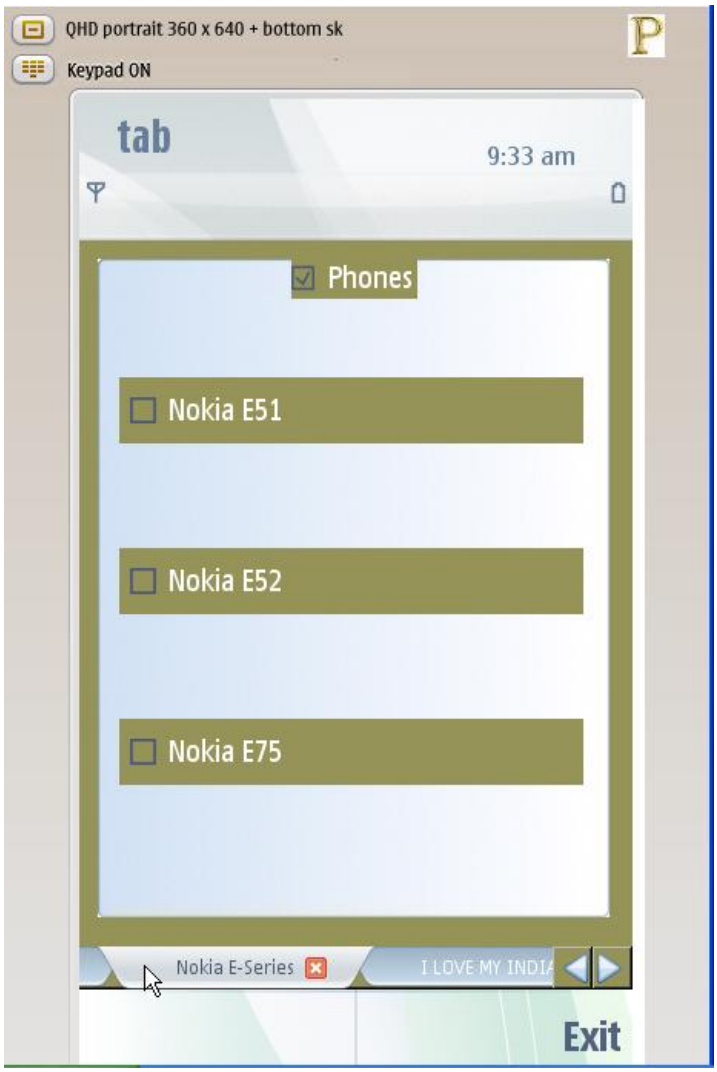

(C) Copyright Nokia 2014. All rights reserved.

```
    group->setAlignment(Qt::AlignHCenter);
    group->setCheckable(true);
    QCheckBox *chk1=new QCheckBox("Nokia N97");
    QCheckBox *chk2=new QCheckBox("Nokia N96");
    QCheckBox *chk3=new QCheckBox("Nokia N73");
    group->setTitle("&Nokia Phones");
    layout1->addWidget(group);
    layout->addWidget(chk1);
    layout->addWidget(chk2);
    layout->addWidget(chk3);
    window->setLayout(layout1);
    window->show();
    QWidget *wdn=new QWidget();
    QVBoxLayout *lay=new QVBoxLayout();
    QVBoxLayout *lay1=new QVBoxLayout();
    QGroupBox *group1=new QGroupBox();
    group1->resize(300,300);
    group1->setLayout(lay);
    group1->setAlignment(Qt::AlignHCenter);
    group1->setCheckable(true);
    QCheckBox *chk4=new QCheckBox("Nokia E51");
    QCheckBox *chk5=new QCheckBox("Nokia E52");
    QCheckBox *chk6=new QCheckBox("Nokia E75");
    group1->setTitle("&Phones");
    lay1->addWidget(group1);
    lay->addWidget(chk4);
    lay->addWidget(chk5);
    lay->addWidget(chk6);
    wdn->setLayout(lay1);
    wdn->show();
    QWidget *wd=new QWidget();
    QVBoxLayout *ly=new QVBoxLayout();
    QVBoxLayout *ly1=new QVBoxLayout();
    QGroupBox *group2=new QGroupBox();
    group2->resize(300,300);
    group2->setLayout(ly);
    group2->setAlignment(Qt::AlignHCenter);
    group2->setCheckable(true);
    QRadioButton *Rad1=new QRadioButton("J&K");
    QRadioButton *Rad2=new QRadioButton("DELHI");
    QRadioButton *Rad3=new QRadioButton("AHMD");
    QRadioButton *Rad4=new QRadioButton("Kolkata");
    group2->setTitle("INDIA");
    ly1->addWidget(group2);
    ly->addWidget(Rad1);
    ly->addWidget(Rad2);
    ly->addWidget(Rad3);
    ly->addWidget(Rad4);
    wd->setLayout(ly1);
    wd->show();
    wid->setElideMode(Qt::ElideRight);
    wid->setMovable(1);
// wid->setTabPosition(QTabWidget::South); // This is used to set The tab orientation.
    wid->setTabsClosable(1); //Used to set the close button on every tab
    wid->setDocumentMode(1);
    wid->addTab(window,str);
    wid->addTab(wdn,str1);
```


(C) Copyright Nokia 2014. All rights reserved.

```
    wid->addTab(wd,str2);
    wid->showMaximized();
    wid->setStyleSheet("* { background-color:rgb(150,147,88); padding: 7px ;
color:rgb(255,255,255)}");
    return a.exec();
}
```

Screenchot in S60 Emulator



(C) Copyright Nokia 2014. All rights reserved.