QDialog

标准对话框

基本概念:

•6.2 标准对话框。

所谓标准对话框,是 Qt. 内置的一系列对话框,用于简化开发。事实上,有很多对话框都是通用的,比如打开文件、设置颜色、打印设置等。这些对话框在所有程序中几乎相同,因此没有必要在每一个程序中都自己实现这么一个对话框。↓ Qt. 的内置对话框大致分为以下几类: ↓

QColorDialog: 选择颜色; ↓

OFileDialog: 选择文件或者目录; →

QFontDialog: 选择字体; →

QInputDialog: 允许用户输入一个值,并将其值返回; →

● QMessageBox: 模态对话框,用于显示信息、询问问题等; →

● QPageSetupDialog: 为打印机提供纸张相关的选项; ↩

QPrintDialog: 打印机配置; →

QPrintPreviewDialog: 打印预览; √

● QProgressDialog: 显示操作过程。↩

```
#include "mainwindow.h"

#include "ui_mainwindow.h"

#include<QDialog>
#include<QDebug>
#include<QMessageBox>

MainWindow::MainWindow(QWidget *parent)

: QMainWindow(parent)

, ui(new Ui::MainWindow)

{

ui->setupUi(this);

connect(ui->action1,&QAction::triggered,[=](){

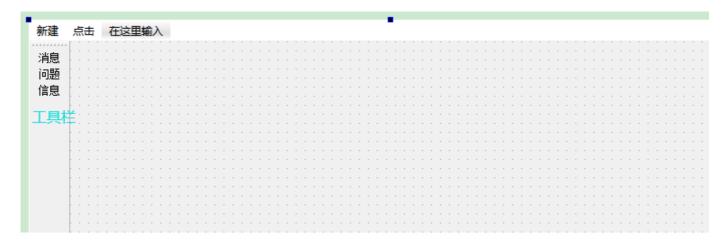
QMessageBox::critical( this , "critical" , "消息");//默认为模态对话框

});

connect(ui->action2,&QAction::triggered,[=](){
```

```
QMessageBox::information( this , "info" , "信息");//默认为模态对话框
});
connect(ui->action3,&QAction::triggered,[=](){
    QMessageBox::question( this , "ques" , "提问");//默认为模态对话框
    });
}

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

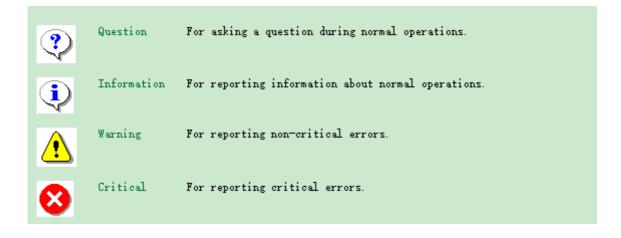


1----消息对话框

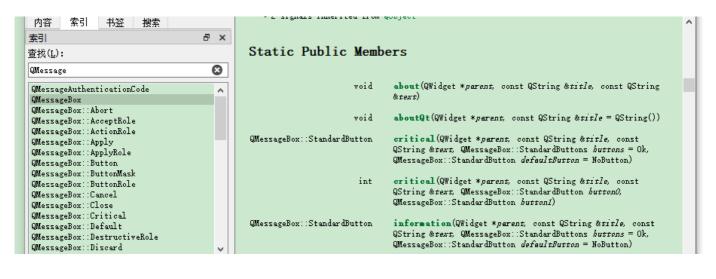
查询帮助文档



下拉寻找提供的消息类型



查看对外接口



```
aboutQt(QWidget *parent, const QString &title = QString())

critical(QWidget *parent, const QString &title, const QString &text, StandardButtons buttons = Ok, StandardButton defaultButton = NoButton)

information(QWidget *parent, const QString &title, const QString &text, StandardButtons buttons = Ok, StandardButton defaultButton = NoButton)

question(QWidget *parent, const QString &title, const QString &text, StandardButtons buttons = StandardButtons(Yes | No), StandardButton defaultButton = NoButton)

warning(QWidget *parent, const QString &title, const QString &text, StandardButtons buttons = Ok, StandardButton defaultButton = NoButton)
```

首先创建一个按钮

使其点击之后弹出一个对话框

```
Connect(ui->actionNew,&QAction::t riggered,[=](){/*这里包含对话框的内容*/});
```

消息对话框 (critical)

```
connect(ui->action1,&QAction::triggered,[=](){
   QMessageBox::critical( this , "critical" , "消息");//默认为模态对话框
});
```

```
//消息对话框
QMessageBox::critical(this,"critical
});

HainWindow::~MainWindow

delete ui;
```

点击后出现如上对话框

信息对话框 (information)

```
connect(ui->action2,&QAction::triggered,[=](){
   QMessageBox::information( this , "info" , "信息");//默认为模态对话框
   });
```



问题对话框 (question)

no_1

```
QMessageBox::question( this , "ques" , "提问");//默认为模态对话框
```



no_2

第一步

查询帮助文档 寻找question的 yes | no 的可替换方案

```
enum QMessageBox::StandardButton
flags QMessageBox::StandardButtons
 These enums describe flags for standard buttons. Each button has a defined ButtonRole.
Constant
                                     Value
                                                    Description
QMessageBox::Ok
                                     0x00000400 An "OK" button defined with the AcceptRole.
                                     0x00002000 An "Open" button defined with the AcceptRole.
QMessageBox::Open
                                     0x00000800 A "Save" button defined with the AcceptRole.
QMessageBox::Save
                                     0x00400000 A "Cancel" button defined with the RejectRole.
QMessageBox::Cancel
                                     0x00200000 A "Close" button defined with the RejectRole.
QMessageBox::Close
QMessageBox::Discard
                                     0x00800000 A "Discard" or "Don't Save" button, depending on the platform, defined with the DestructiveRole.
                                     0x02000000 An "Apply" button defined with the ApplyRole.
OMessageBox::Apply
                                     0x04000000 A "Reset" button defined with the ResetRole.
OMessageBox::Reset
QMessageBox::RestoreDefaults 0x08000000 A "Restore Defaults" button defined with the ResetRole.
                                     0x01000000 A "Help" button defined with the HelpRole.
QMessageBox::Help
                                     0x00001000 A "Save All" button defined with the AcceptRole.
QMessageBox::SaveAll
QMessageBox::Yes
                                     0x00004000 A "Yes" button defined with the YesRole.
                                     0x00008000 A "Yes to All" button defined with the YesRole.
QMessageBox::YesToAll
                                     0x00010000 A "No" button defined with the NoRole.
QMessageBox::No
                                     0 \pm 00020000 % No to All button defined with the NoRole.
QMessageBox::NoToAll
                                     0x00040000 An "Abort" button defined with the RejectRole.
QMessageBox::Abort
                                     0x00080000 A "Retry" button defined with the AcceptRole.
QMessageBox::Retry
                                     0x00100000 An "Ignore" button defined with the AcceptRole.
OMessageBox::Ignore
                                     0x00000000 An invalid button.
QMessageBox::NoButton
```

第二步

加入代码中

```
QMessageBox::question( this , "ques" , "提问",QMessageBox::Save | QMessageBox::Cancel)
```

第三步



第四步

放置第五个参数

```
QMessageBox::question( this , "ques" , "提问",QMessageBox::Save | QMessageBox::Cancel,QMessageBox::Cancel);
```

第五步

预览结果



可以看到,默认选项更改为Cancel

总结:

- □ 参数 1 父亲
- □ 参数 2 标题
- □ 参数 3 提示内容
- □ 参数 4 按键类型
- □ 参数 5 默认关联回车键

返回值类型——StandardButton

运行查看结果

点击save



Starting E:\1126\sendToStudent\Qt2_Day25\Code\build-03_QDialog-D

点击cancel



03_QDialog 区
Starting E:\1126\sendToStudent\Qt2_Day25\Code\build-03_QDialog-Desktop_Qt_5_6_0_MinGW_32bit-Debu E:\1126\sendToStudent\Qt2_Day25\Code\build-03_QDialog-Desktop_Qt_5_6_0_MinGW_32bit-Debu 法择的是保存
选择的是限存

警告对话框 (warning)

```
connect(ui->action4,&QAction::triggered,[=](){
    QMessageBox::warning(this,"warning","警告");
});
```

```
els
{

| warni... ×
| ***
| OK | OK |
```

自定义对话框

自定义模态对话框

不可以操作其他对话框

```
connect(ui->actionNew,&QAction::triggerend,[]()
{
    //对话框
    //模态对话框(阻塞: 不可以对其他窗口进行操作)

    //模态-----
    QDialog dlg(this);
    dlg.exec();//阻塞
    dlg.resize(200,100);
    qDebug()<<"模态对话框弹出了!";//不会执行,再dLg.exec这一行阻塞了

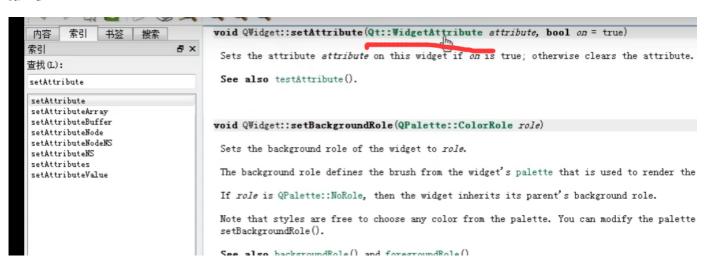
})
```

自定义非模态对话框

可以操作其他对话框

枚举值查询:

第一步



第二步

r	Qt::WA_AcceptDrops	78	Allows data from drag and drop operations to be dropped (see QWidget::setAcceptDrops()).
,	Qt::WA_AlwaysShowToolTips	84	Enables tooltips for inactive windows.
	Qt::WA_ContentsPropagated	3	This flag is superfluous and obsolete; it no longer has Qt 4.1, all widgets that do not set WA_PaintOnScreen p: contents.
	Qt::WA_CustomWhatsThis	47	Indicates that the widget wants to continue operating: This?" mode. This is set by the widget's author.
	Qt::WA_DeleteOnClose	55	Makes Qt delete this widget when the widget has accept (see QWidget::closeEvent()).
	Qt::WA_Disabled	0	Indicates that the widget is disabled, i.e. it does not or keyboard events. There is also a getter functions \mathbb{Q}^1 This is set/cleared by the \mathbb{Q}^1 kernel.
	Qt::WA_DontShowOnScreen	103	Indicates that the widget is hidden or is not a part of Desktop. $ \\$
Gre 5.6	Qt::WA_ForceDisabled	32	Indicates that the widget is explicitly disabled, i.e. disabled even when all its ancestors are set to the enimplies WA_Disabled. This is set/cleared by QWidget::seQWidget::setDisabled().
	Qt::WA ForceUpdatesDisabled	59	Indicates that updates are explicitly disabled for the

使用 value=55 即可