Archived:Create progress dialog using QProgressDialog

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

Overview

This code snippet shows how to use the QProgressDialog class to provide feedback on the progress of a slow operation. Note that the `QProgressDialog` is similar to `QProgressBar`, but additionally gives users to opportunity to abort the operation - see How to use QProgressBar in Qt.

Source code

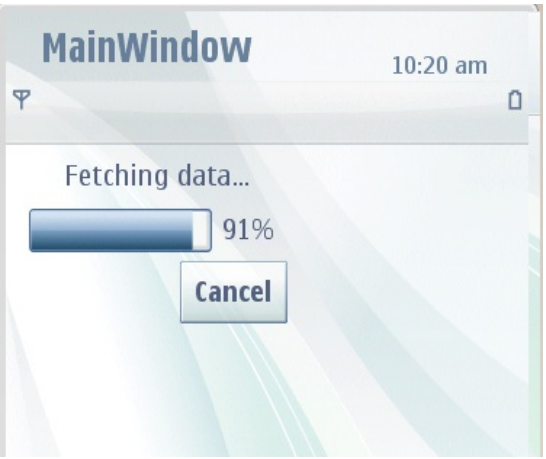
```
int main(int argc, char *argv[])
{
    QApplication a(argc, argv);
    ProgressDialog w;
    w.showMaximized();


    QVBoxLayout* layout = new QVBoxLayout;
 QWidget*  win = new QWidget;

 //The minimum and maximum is the number of steps in the operation for which this progress dialog shows progress.
    //for example here 0 and 100.
 QProgressDialog* progress = new QProgressDialog("Fetching data...", "Cancel", 0, 100);
 //Set dialog as modal dialog, if you want.
 progress->setWindowModality(Qt::WindowModal);

 layout->addWidget(progress,Qt::AlignCenter);
 win->setLayout(layout);

 for (int i = 0; i < 100; i++)
 {
 //set progress value.
 progress->setValue(i);
 win->show();

 //if user click cancel button of dialog.
 if (progress->wasCanceled())
   break;
 }

 progress->setValue(100);
 win->show();

    return a.exec();
}
```

Other useful methods of QProgressDialog

Slot `cancel()` resets the progress dialog. Signal `canceled()` is emitted when the cancel button is clicked. It is connected to the `cancel()` slot by default.

Postconditions

The code snippet is expected to show a progress dialog with cancel button, as shown in below image.



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Code Example

- Download the working Code Example.

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