Archived:Using QLabel instead of QTextBrowser

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 (using C++ for the Qt app UI) is deprecated.

Overview

This code demonstrates how to display more than one line of text in `QLabel` without having to use `QTextBrowser`.

Header file

```
/*
 * Copyright (c) 2009 Nokia Corporation
 */

#ifndef QLABELSNIPPET_H
#define QLABELSNIPPET_H

#include <QtGui/QMainWindow>
#include <QtGui/QFrame>
#include <QtGui/QLabel>
#include <QtGui/QVBoxLayout>

#include <QtCore/QPointer>
#include <QtCore/QString>

class QLabelSnippet : public QMainWindow
{
 Q_OBJECT

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

private:
 QPointer<QLabel> _textContainer;
};

#endif // QLABELSNIPPET_H
```

Source file

```
/*
 * Copyright (c) 2009 Nokia Corporation
 */

#include "qlabelsnippet.h"

QLabelSnippet::QLabelSnippet(QWidget *parent) : QMainWindow(parent) {
```


(C) Copyright Nokia 2014. All rights reserved.

```
 /* Label we will be enabling the copy & paste in. */
 _textContainer = new QLabel;
 /* We'll make it not use only one line.  */
 _textContainer->setWordWrap(true);
 /* Contents can be scaled. */
 _textContainer->setScaledContents(true);
 /*
  * Adjust to the size of the layout.
  * http://doc.trolltech.com/qsizepolicy.html
  */
 _textContainer->setSizePolicy(QSizePolicy(QSizePolicy::Minimum, QSizePolicy::Minimum));
 /* We'll give it a border so you can see how it grows.*/
 _textContainer->setStyleSheet("border: 1px solid black;");
 /*
  * Enable text selection and link accessing.
  * http://doc.trolltech.com/qt.html#TextInteractionFlag-enum
  */
 _textContainer->setTextInteractionFlags(Qt::TextBrowserInteraction);
 /* Let's align it to the top. */
 _textContainer->setAlignment(Qt::AlignTop);
 /* Let's put some lorem ipsum in it. */
 QString text = QString("Lorem ipsum dolor sit amet, consectetur");
 text.append("adipiscing elit. Ut a felis mauris. Fusce ");
 text.append("odio sapien, rutrum eu tincidunt eu, luctus ");
 text.append("vel libero. Praesent viverra tincidunt ipsum, ");
 text.append("nec dictum augue scelerisque in. Integer quis ");
 text.append("consectetur nisi. Phasellus ac bibendum arcu. ");
 text.append("Vivamus elementum cursus ligula, quis volutpat ");
 text.append("mi tincidunt quis. Fusce nec dui id tellus tristique ");
 text.append("luctus in sit amet erat. In volutpat diam nec libero ");
 text.append("scelerisque lobortis. Maecenas dolor quam, egestas at ");
 text.append("pretium nec, placerat eget leo. Sed ac ultricies enim. ");
 text.append("Nulla eget est tellus. In accumsan felis in tortor ");
 text.append("adipiscing eget pretium metus elementum. Ut id eros ");
 text.append("lorem. Nam interdum ipsum eu neque bibendum pretium. ");
 text.append("Etiam vitae congue massa.");
 _textContainer->setText(text);
 /* Displaying widgets is so much easier if we use a layout... */
 QVBoxLayout* layout = new QVBoxLayout;
 /* Let's add the widget to the layout */
 layout->addWidget(_textContainer);
 /* Now we need a central widget to act as our container */
 QFrame* frame = new QFrame(this);
 /* And set the layout as the container layout to get it displayed. */
 frame->setLayout(layout);
 /* Now we set the container as our central widget. */
 setCentralWidget(frame);
}

QLabelSnippet::~QLabelSnippet() {
 this->_textContainer->deleteLater();
}
```

Postconditions

You are able to use `QLabel` to contain long textual data, make it selectable, and get it to scale.

(C) Copyright Nokia 2014. All rights reserved.

Supplementary material

- You can test `QLabelSnippet` with a test application. The application is available for download at Media:QLabelSnippet.zip.

See also

- QLabel documentation
- QTextBrowser documentation

(C) Copyright Nokia 2014. All rights reserved.