Archived:Web Browser in Qt for Symbian

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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.

This code example demonstrates a simple Web Browser based on QWebView. The browser only supports HTTP (not HTTPS).

Compatibility

- This Source code is compatible with Qt v4.5 with minor upgrade of functions.

Recommendation

- Please include QWebkit and QNetwork during code developing.

Source Code

```
#include "webBrowserDialog.h"

webBrowserDialog::webBrowserDialog(QWidget *parent)
    : QWidget(parent)
{
lay=new QGridLayout();
    back=new QPushButton("<<");
    back->setToolTip("Back");
    bar = new QStatusBar();
    bar->resize(50,10);

    progress=new QProgressBar();

    progress->setTextVisible(0);
   label=new QLabel();
    progress->setMinimum(0);
    progress->setMaximum(100);
    bar->addWidget(progress);
    progress->resize(10,10);
    forward=new QPushButton(">>");
    forward->setToolTip("Forward");
    reload=new QPushButton("Reload");
    reload->setToolTip("Reload");
    stop=new QPushButton("X");
    stop->setToolTip("Stop");
    web=new QWebView();

    load=new QPushButton("Load");
    load->setToolTip("Load");
    line=new QLineEdit("http://www.developer.nokia.com");
    line->setToolTip("Type Your Address Here");
    tool=new QToolBar();
    bar->addWidget(progress);
    bar->addWidget(label);
    tool->addWidget(back);
    tool->addWidget(forward);
    tool->addWidget(reload);
    tool->addWidget(stop);
    tool->addWidget(line);
    tool->addWidget(load);
    lay->addWidget(tool,0,0);
    lay->addWidget(web,1,0);
    lay->addWidget(bar,2,0);
    web->load(QUrl("http://www.developer.nokia.com"));
    web->show();
    QObject::connect(back,SIGNAL(clicked()),web,SLOT(back()));
    QObject::connect(forward,SIGNAL(clicked()),web,SLOT(forward()));
    QObject::connect(stop,SIGNAL(clicked()),web,SLOT(stop()));
    QObject::connect(reload,SIGNAL(clicked()),web,SLOT(reload()));
    QObject::connect(load,SIGNAL(clicked()),this,SLOT(viral()));
    QObject::connect(web,SIGNAL(loadProgress(int)),progress,SLOT(setValue(int)));
    setLayout(lay);
    showMaximized();

}
webBrowserDialog::~webBrowserDialog()
{

}
void webBrowserDialog::viral()
{
  QString str;
  str=line->text();
  web->load(QUrl(str));
  web->show();
  setWindowTitle(str);
  QObject::connect(web,SIGNAL(loadProgress(int)),progress,SLOT(setValue(int)));
  QObject::connect(web,SIGNAL(statusBarMessage(QString)),bar,SLOT(showMessage(QString)));
}
```

Header File

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```
#include <QtGui/QWidget>
#include "ui_webBrowserDialog.h"
#include<QWidget>
#include<QWebView>
#include<QLineEdit>
#include<QGridLayout>
#include<QUrl>
#include<QPushButton>
#include<QToolBar>
#include<QString>
#include<QStatusBar>
#include<QProgressBar>
#include<QLabel>


class webBrowserDialog : public QWidget
{
    Q_OBJECT

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

private slots:
    void viral();

private:
   QGridLayout *lay;
     QPushButton *back;
     QPushButton *forward;
     QPushButton *reload;
     QPushButton *stop;
     QWebView *web;
     QPushButton *load;
     QLineEdit *line;
     QToolBar *tool;
     QStatusBar *bar;
     QProgressBar *progress;
     QLabel *label;
     QWidget *win;


};

#endif // WEBBROWSERDIALOG_H
```

Screenshots

- Emulator Look..

- **Opening.... developer.nokia.com**

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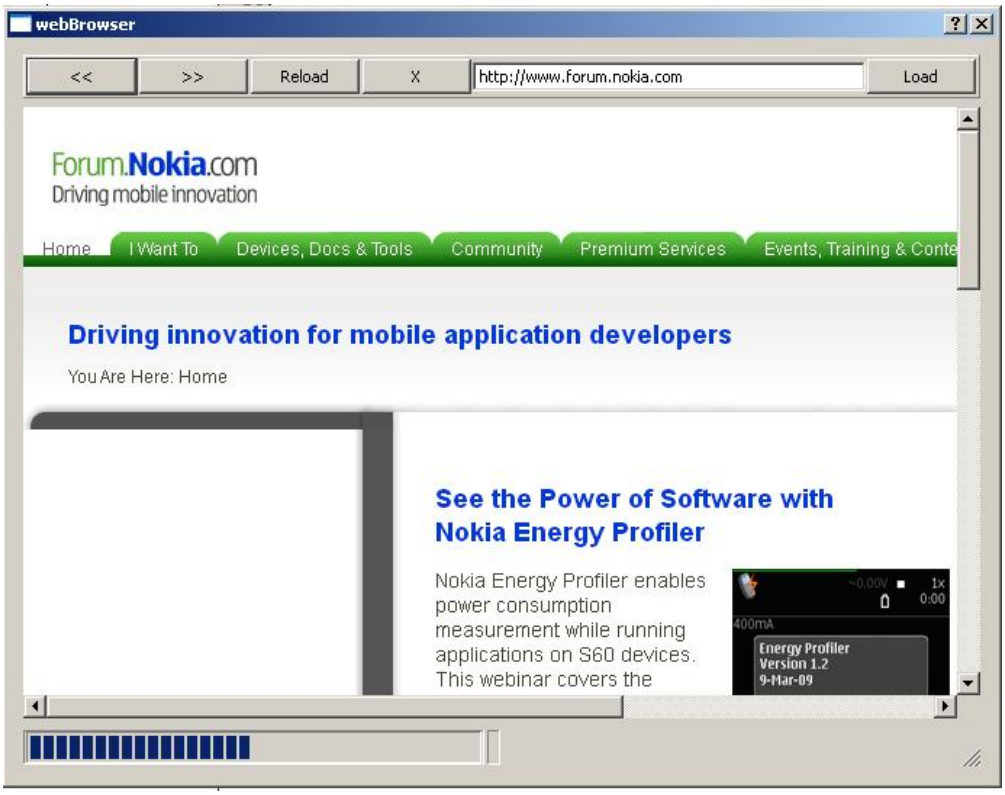

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