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#include "mainwindow.h"
#include "ui_mainwindow.h"
#include<QFile>
#include<QFileDialog>
#include<QTextStream>
#include<QMessageBox>
#include<QFontDialog>
#include<QFont>
#include<QColorDialog>
#include<QColor>
#include<QPrinter>
#include<QPrintDialog>
MainWindow::MainWindow(QWidget *parent)
    : QMainWindow(parent)
    , ui(new Ui::MainWindow)
{
    ui->setupUi(this);
    this->setCentralWidget(ui->textEdit);
}

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

void MainWindow::on_actionNew_triggered()
{
    file_path = "";
    ui->textEdit->setText("");
}

void MainWindow::on_actionOpen_triggered()
{
    QString file_name = QFileDialog::getOpenFileName(this,"Open the file");
    QFile file(file_name);
    file_path = file_name;
    if(!file.open(QFile::ReadOnly | QFile::Text)){
        QMessageBox::warning(this,"...", "file not open");
        return;
    }
    QTextStream in(&file);
    QString text = in.readAll();
    ui->textEdit->setText(text);
    file.close();
}

void MainWindow::on_actionSave_triggered()
{
    QFile file(file_path);
    if(!file.open(QFile::WriteOnly | QFile::Text)){
        QMessageBox::warning(this,"...", "file not open");
        return;
    }
}

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    QTextStream out(&file);
    QString text = ui->textEdit->toPlainText();
    out << text;
    file.flush();
    file.close();
}

void MainWindow::on_actionSave_as_triggered()
{
    QString file_name = QFileDialog::getSaveFileName(this,"Open the file");
    QFile file(file_name);
    file_path = file_name;
    if(!file.open(QFile::WriteOnly | QFile::Text)){
        QMessageBox::warning(this,"...", "file not open");
        return;
    }
    QTextStream out(&file);
    QString text = ui->textEdit->toPlainText();
    out << text;
    file.flush();
    file.close();
}

void MainWindow::on_actionCut_triggered()
{
    ui->textEdit->cut();
}

void MainWindow::on_actionCopy_triggered()
{
    ui->textEdit->copy();
}

void MainWindow::on_actionPaste_triggered()
{
    ui->textEdit->paste();
}

void MainWindow::on_actionRedo_triggered()
{
    ui->textEdit->redo();
}

void MainWindow::on_actionUndo_triggered()
{
    ui->textEdit->undo();
}

void MainWindow::on_actionAbout_Notepad_triggered()
{
    QString about_text;
    about_text = "Auther : somebody\n";
}

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about_text += "Date : 12/05/2016\n";
about_text += "(C) Notepad (R)";
QMessageBox::about(this,"About Notepad",about_text);
}

void MainWindow::on_actionFont_triggered()
{
    bool ok;
    QFont font = QFontDialog::getFont(&ok,this);
    if(ok){
        ui->textEdit->setFont(font);
    } else return;
}

void MainWindow::on_actionColor_triggered()
{
    QColor color = QColorDialog::getColor(Qt::white,this,"Choose color");
    if(color.isValid()){
        ui->textEdit->setTextColor(color);
    }
}

void MainWindow::on_actionBackground_Color_triggered()
{
    QColor color = QColorDialog::getColor(Qt::white,this,"Choose color");
    if(color.isValid()){
        ui->textEdit->setTextBackgroundColor(color);
    }
}

void MainWindow::on_actionBackground_Color_Edit_Text_triggered()
{
    QColor color = QColorDialog::getColor(Qt::white,this,"Choose color");
    if(color.isValid()){
        //ui->textEdit->setPalette(QPalette(color));
        ui->textEdit->setStyleSheet("background-color:" + color.name() + ";");
    }
}

void MainWindow::on_actionPrint_triggered()
{
    QPrinter printer;
    printer.setPrinterName("desired printer name");
    QPrintDialog dialog(&printer,this);
    if(dialog.exec() == QDialog::Rejected) return ;
    ui->textEdit->print(&printer);
}

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