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

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

void MainWindow::on_actionOpen_triggered()
{
    QString filter = "All Files (*.*) ;; Text Files (*.txt) ;; PDFs (*.pdf)";
    QString file_name = QFileDialog::getOpenFileName(this, "select
file", "C://", filter);
    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();
}

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void MainWindow::on_actionSave_triggered()
{
    QFile file(file_path);
    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_actionSave_as_triggered()
{
    // QString filter = "All Files (*.*) ;; Text Files (*.txt) ;; PDFs (*.pdf)";
    QString file_name = QFileDialog::getSaveFileName(this,"select 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()
{

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        ui->textEdit->redo();
    }

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

void MainWindow::on_actionAbout_info_triggered()
{
    QString about = "Auther : Alaa Salah\n";
    about+= "Date   : 22/9/2022\n";
    about+= "(C) Notepad (R)";
    QMessageBox::about(this, "info.", about);
}

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

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);
    } else return;
}

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

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void MainWindow::on_actionDark_triggered()
{
    ui->textEdit->setPalette(QPalette(Qt::black));
}

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);
}
```