Cross Platform Application Development in C++

Program Documentation.
(Easy Notepad)

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- User Documentation

1. **Introduction.**

- The main objective behind this project is to create a user-friendly smart notebook with the functions of a basic notebook and can be easily run on other platforms.
- A notepad is a type of software that allows you to easily write down details and write down various things.
- This makes it easy to do the work of a notebook that we use everyday in a smart way.

- It should also work perfectly on Mac OS X.

- The main purpose of this is to provide simple, attractive content and background that is easy for users to use and understandable to anyone.

- I used simple fonts, simple icons and a colorful background to create a user-friendly interface.

2. Scope/ Functionality

- Users can easily get a new notepad via New. With a new notepad, this notepad can be used in a simple way to write down what you want in the right way.
- E.g., a code, a note.

- The user can write their own note using any font, font size and font style of their choice.

- A previously saved note can be retrieved by clicking on the search icon.

- This can be used quickly and easily due to the ability to cut, paste, undo, retro.

- printing is provided to users by clicking on the print icon.

- Given the ability to save this in a convenient location.

- The facility to save as a suitable file is provided.

- This saved note can be opened through any other notepad of any kind.

3. Future Implementations

- Over time, adding more advanced features has become a bit more challenging, and I're anxious to create this simpler type of notepad because of the complexity of using the notepad.

- But here are some of the features that I will be implementing in the future;

- Constantly adding new fonts, font styles that come with time.

- Making it possible to run codes.

- Set to show Grammar Errors.

4. Bugs and Issues

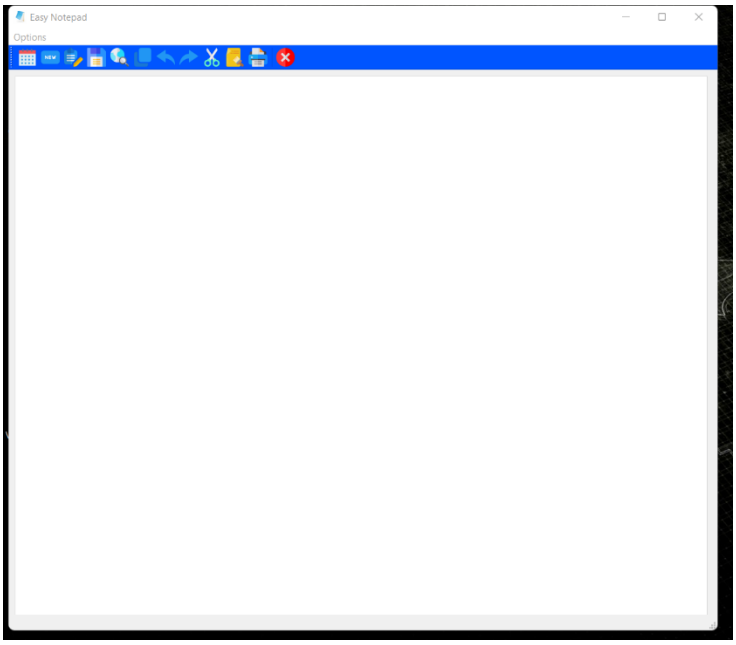
    1. At times, this may have been a delay in running Macs and Linux, but this was later corrected. Later, the program ran very well on Mac and Linux.

       Although I can not find any error here, the program runs smoothly and very well.

- Technical Documentation

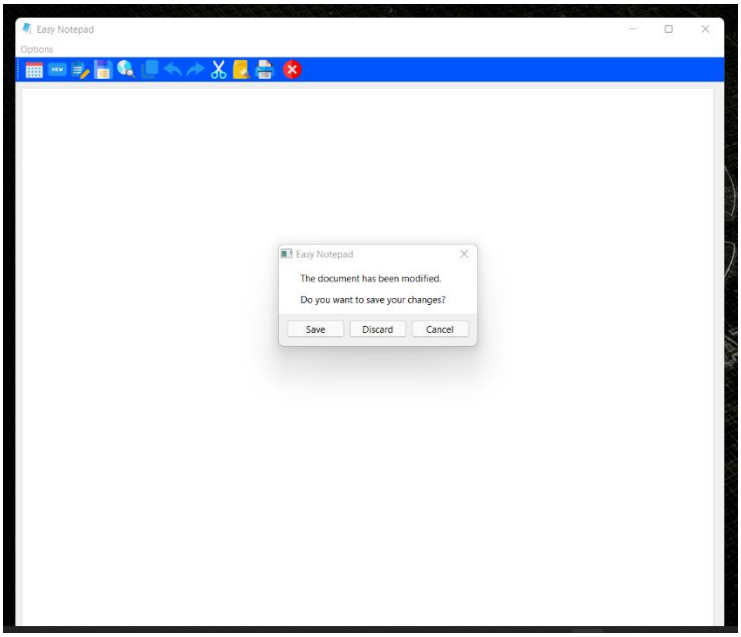
1. GUI

❖ Easy Notepad inter face



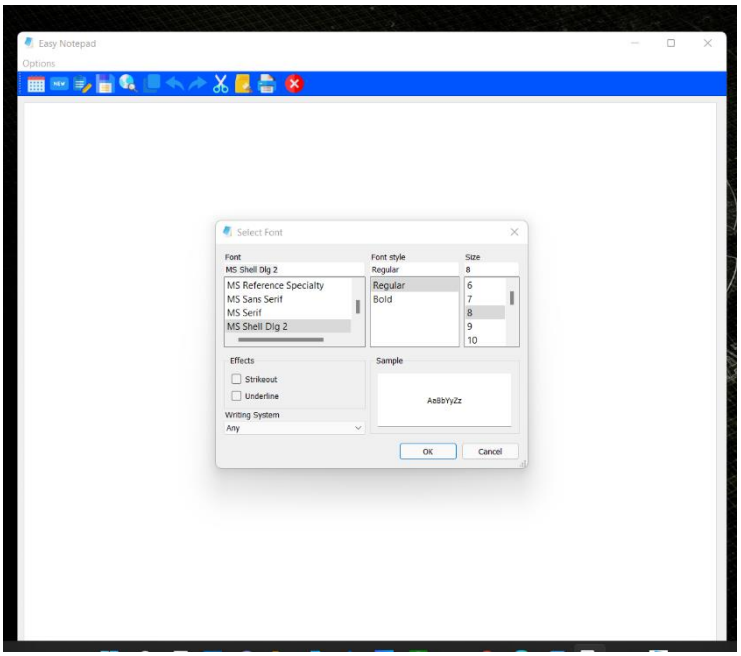
Option

❖ Exit
You can see massge box . then you can select save , discard or cancel.



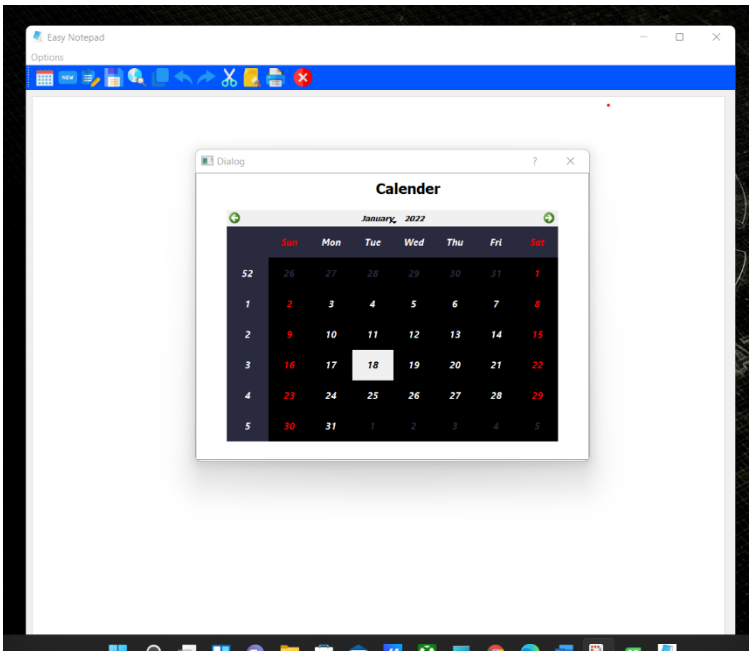
❖ Font

You can select font, font style, font size , effects then you can change your note. (The user can write their own note using any font, font size and font style of their choice).

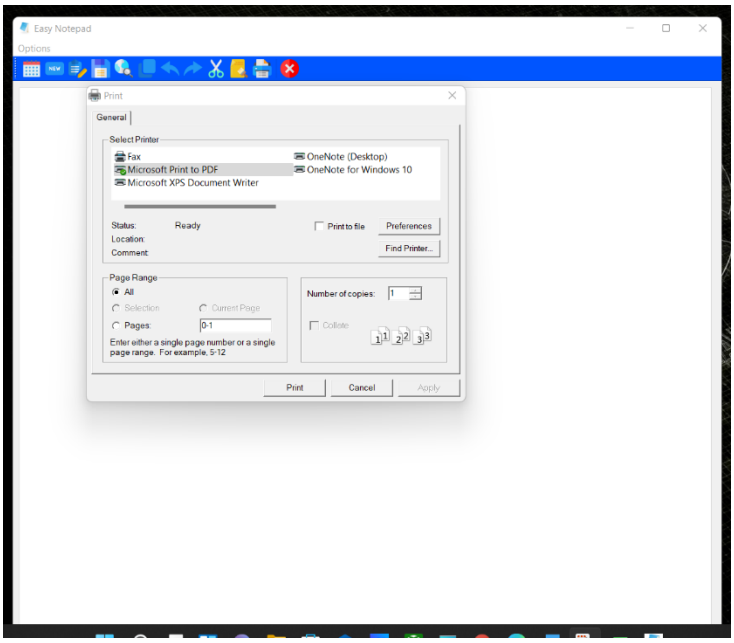


❖ Calender

This is one of additional special thing of this smart notepad.

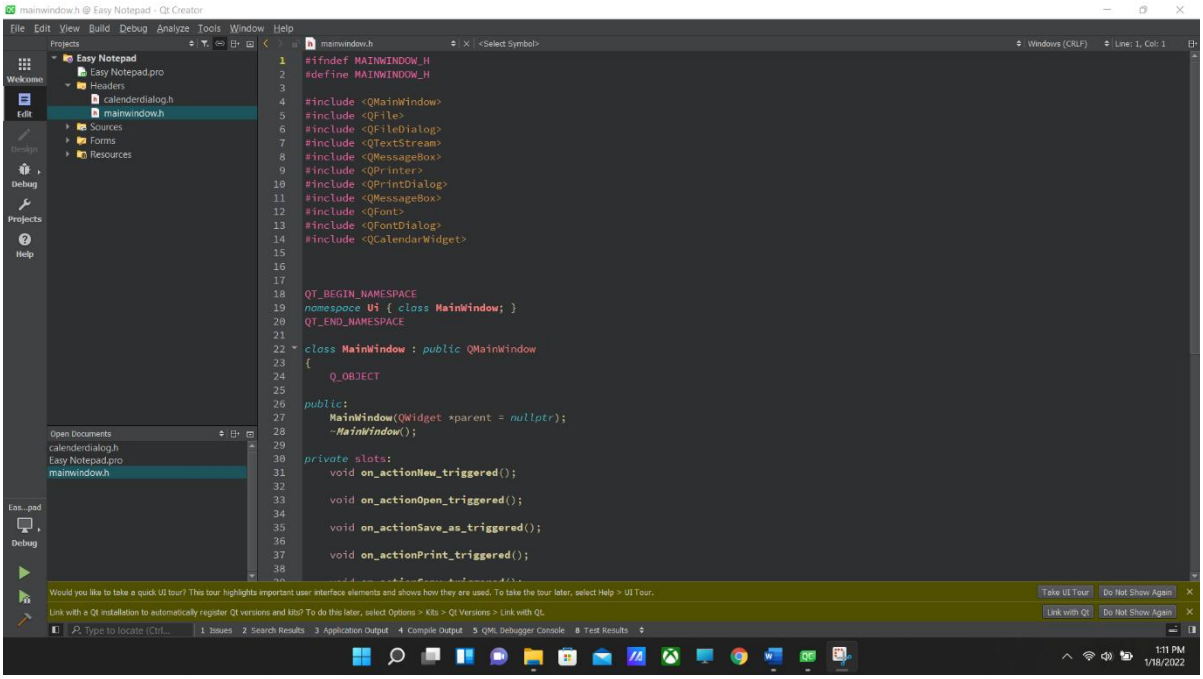


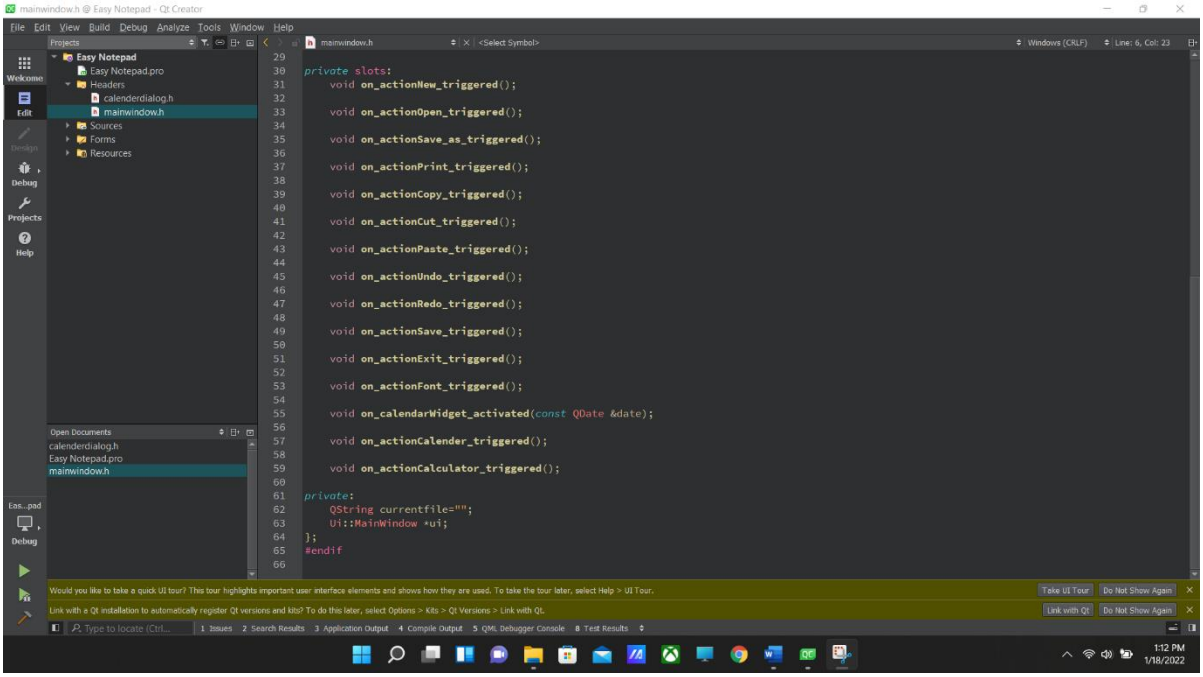
❖ Print



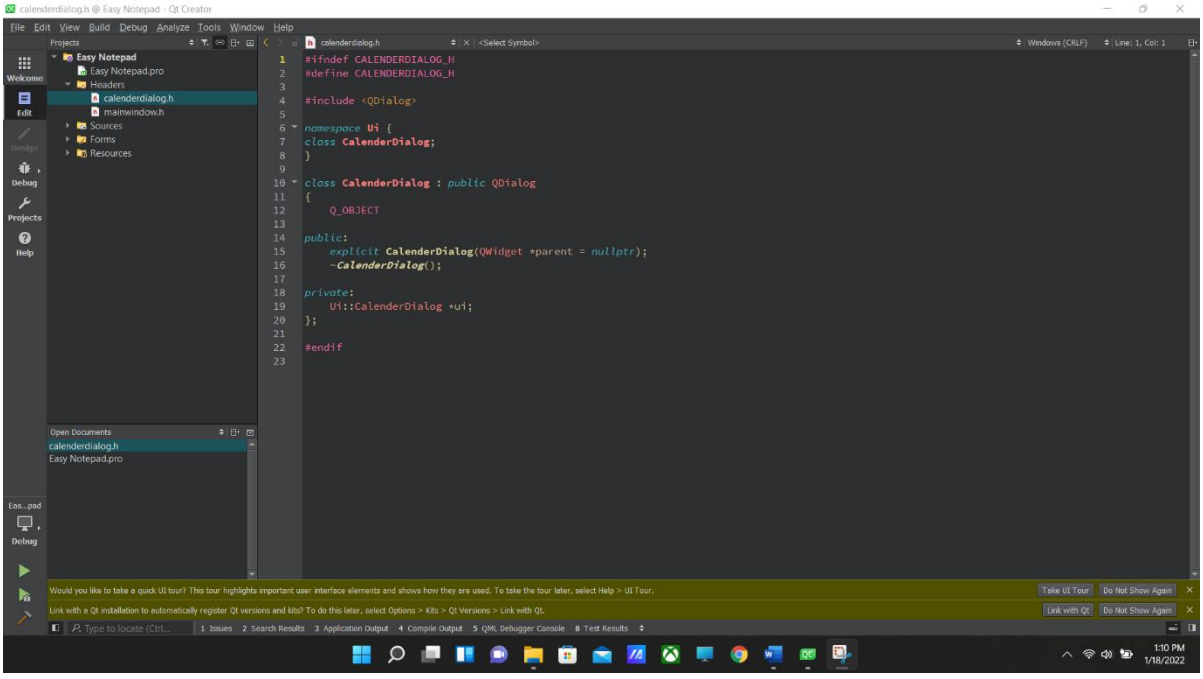
1. Codes.

- Main window

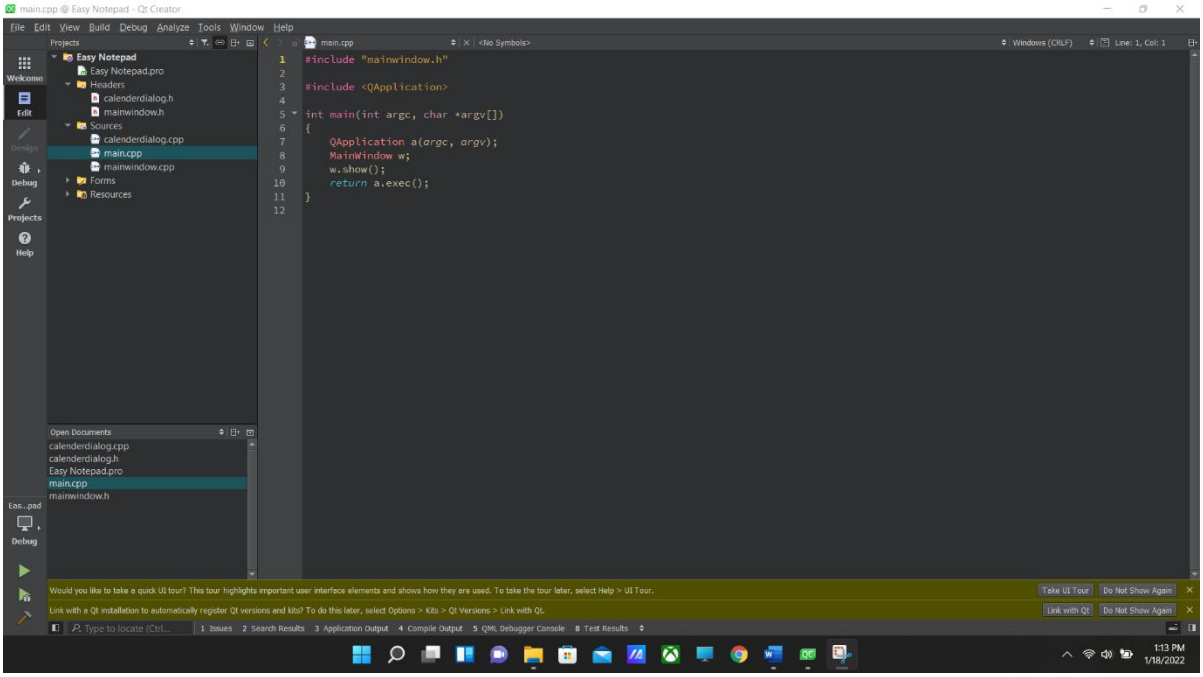




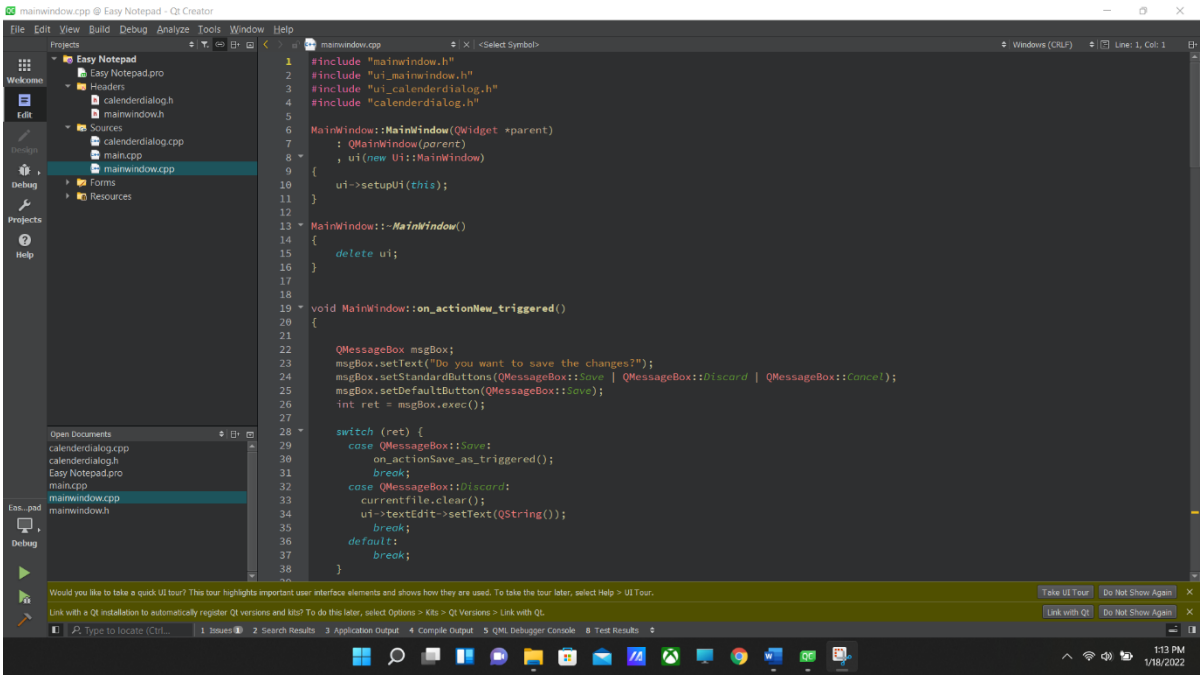
- Calender

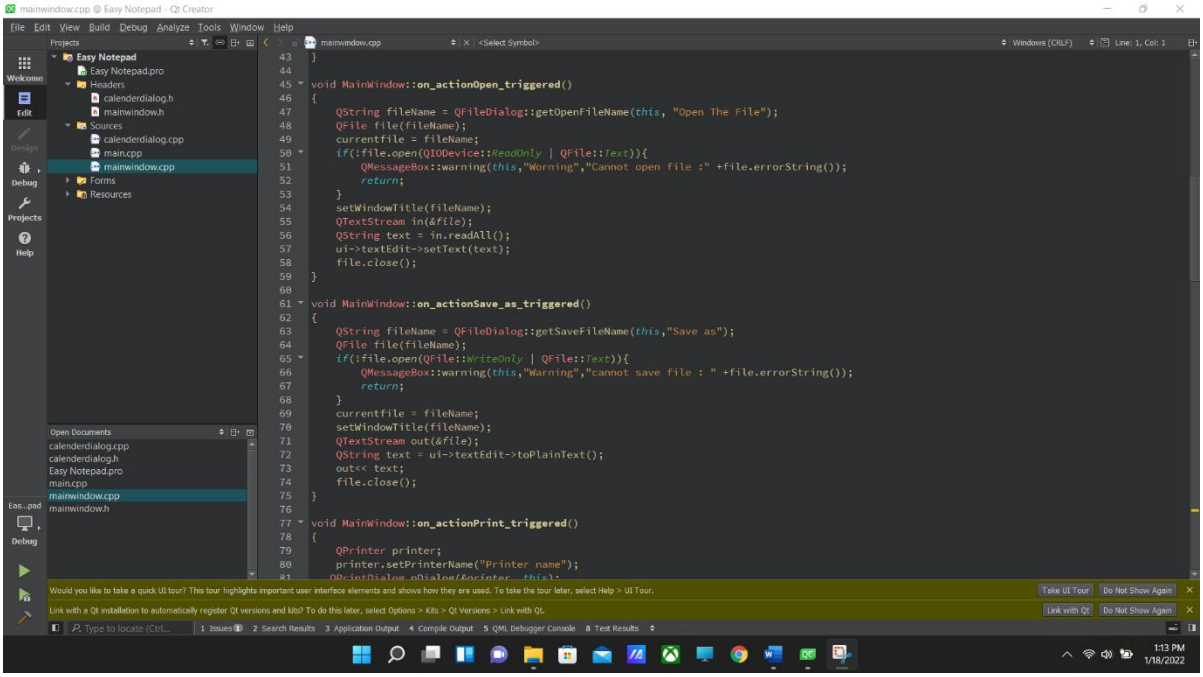


- Main.cpp



- Mainwindow.cpp




mainwindow.cpp @ Easy Notepad - Qt Creator
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Projects
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mainwindow.h
Welcome
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Design
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Projects
Help
Debug
mainwindow.cpp
<Select Symbol>
Windows (CRLF)
Line: 1, Col: 1
43 }
44
45 void MainWindow::on_actionOpen_triggered()
46 {
47 QString fileName = QFileDialog::getOpenFileName(this, "Open The File");
48 QFile file(fileName);
49 currentfile = fileName;
50 if(!file.open(QIODevice::ReadOnly | QFile::Text)){
51 QMessageBox::warning(this,"Worning","Cannot open file :" +file.errorString());
52 return;
53 }
54 setWindowTitle(fileName);
55 QTextStream in(&file);
56 QString text = in.readAll();
57 ui->textEdit->setText(text);
58 file.close();
59 }
60
61 void MainWindow::on_actionSave_as_triggered()
62 {
63 QString fileName = QFileDialog::getSaveFileName(this,"Save as");
64 QFile file(fileName);
65 if(!file.open(QFile::WriteOnly | QFile::Text)){
66 QMessageBox::warning(this,"Warning","cannot save file : " +file.errorString());
67 return;
68 }
69 currentfile = fileName;
70 setWindowTitle(fileName);
71 QTextStream out(&file);
72 QString text = ui->textEdit->toPlainText();
73 out<< text;
74 file.close();
75 }
76
77 void MainWindow::on_actionPrint_triggered()
78 {
79 QPrinter printer;
80 printer.setPrinterName("Printer name");
Would you like to take a quick UI tour? This tour highlights important user interface elements and shows how they are used. To take the tour later, select Help > UI Tour.
Take UI Tour
Do Not Show Again
Link with a Qt installation to automatically register Qt versions and kits? To do this later, select Options > Kits > Qt Versions > Link with Qt.
Link with Qt
Do Not Show Again
Type to locate (Ctrl...
1 Issues
2 Search Results
3 Application Output
4 Compile Output
5 QML Debugger Console
8 Test Results
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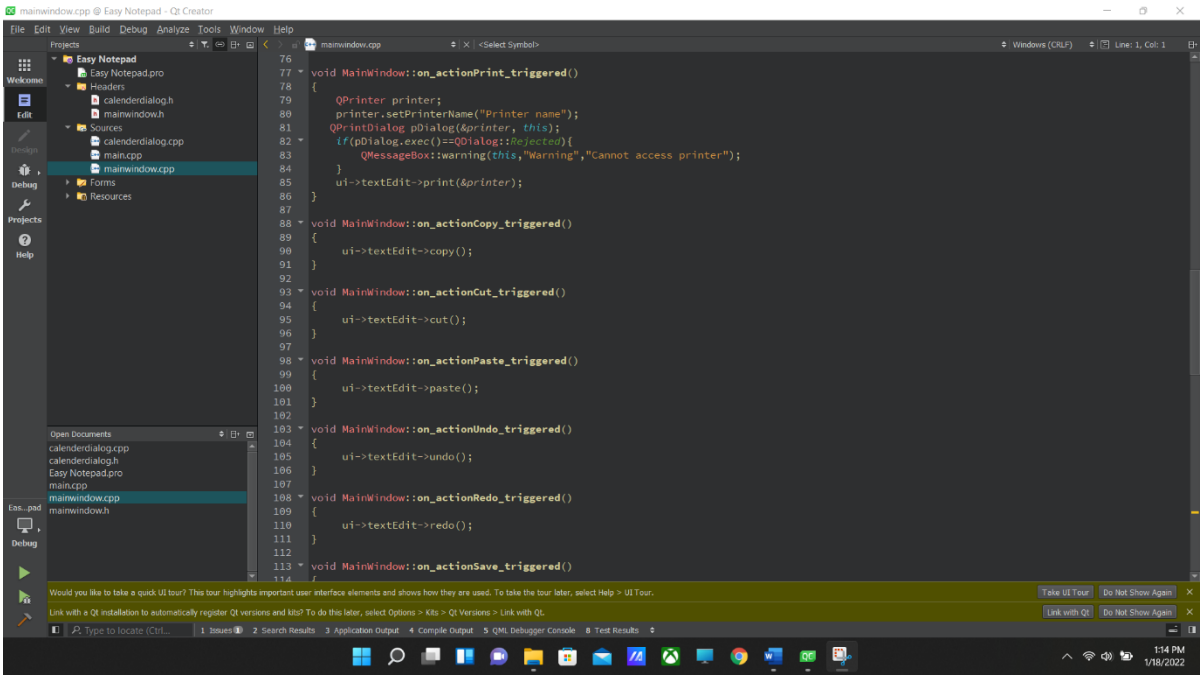
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Help
Debug
mainwindow.cpp
<Select Symbol>
Windows (CRLF)
Line: 1, Col: 1
76
77 void MainWindow::on_actionPrint_triggered()
78 {
79 QPrinter printer;
80 printer.setPrinterName("Printer name");
81 QPrintDialog pDialog(&printer, this);
82 if(pDialog.exec()==QDialog::Rejected){
83 QMessageBox::warning(this,"Warning","Cannot access printer");
84 }
85 ui->textEdit->print(&printer);
86 }
87
88 void MainWindow::on_actionCopy_triggered()
89 {
90 ui->textEdit->copy();
91 }
92
93 void MainWindow::on_actionCut_triggered()
94 {
95 ui->textEdit->cut();
96 }
97
98 void MainWindow::on_actionPaste_triggered()
99 {
100 ui->textEdit->paste();
101 }
102
103 void MainWindow::on_actionUndo_triggered()
104 {
105 ui->textEdit->undo();
106 }
107
108 void MainWindow::on_actionRedo_triggered()
109 {
110 ui->textEdit->redo();
111 }
112
113 void MainWindow::on_actionSave_triggered()
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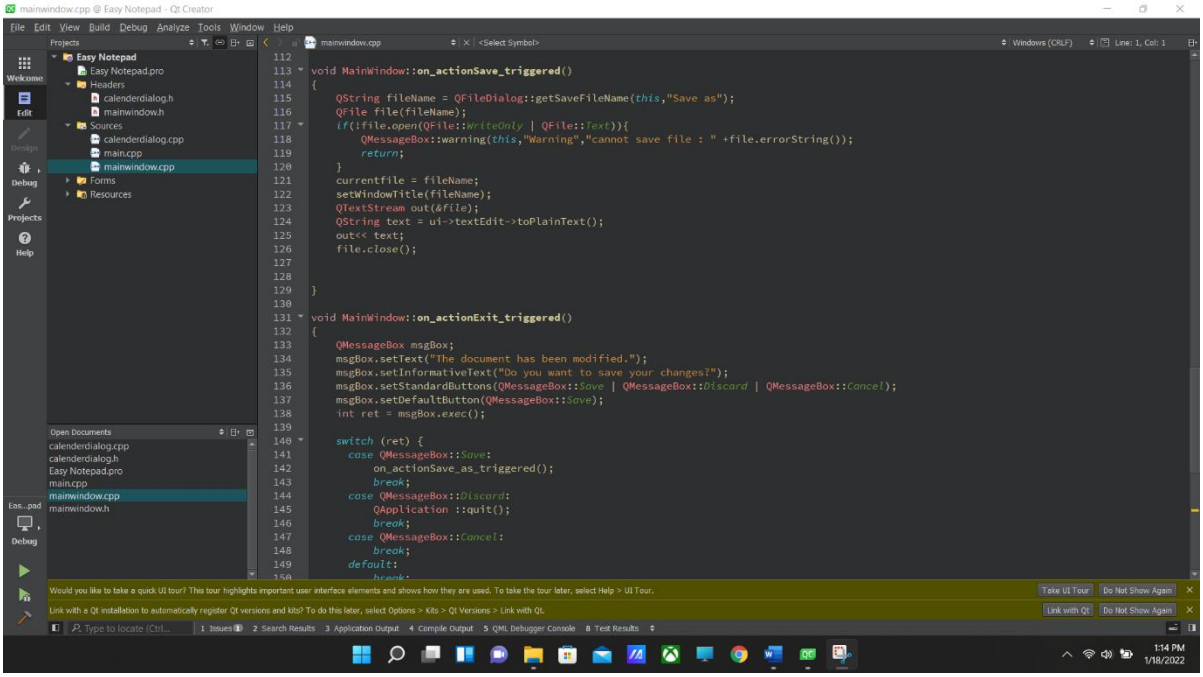
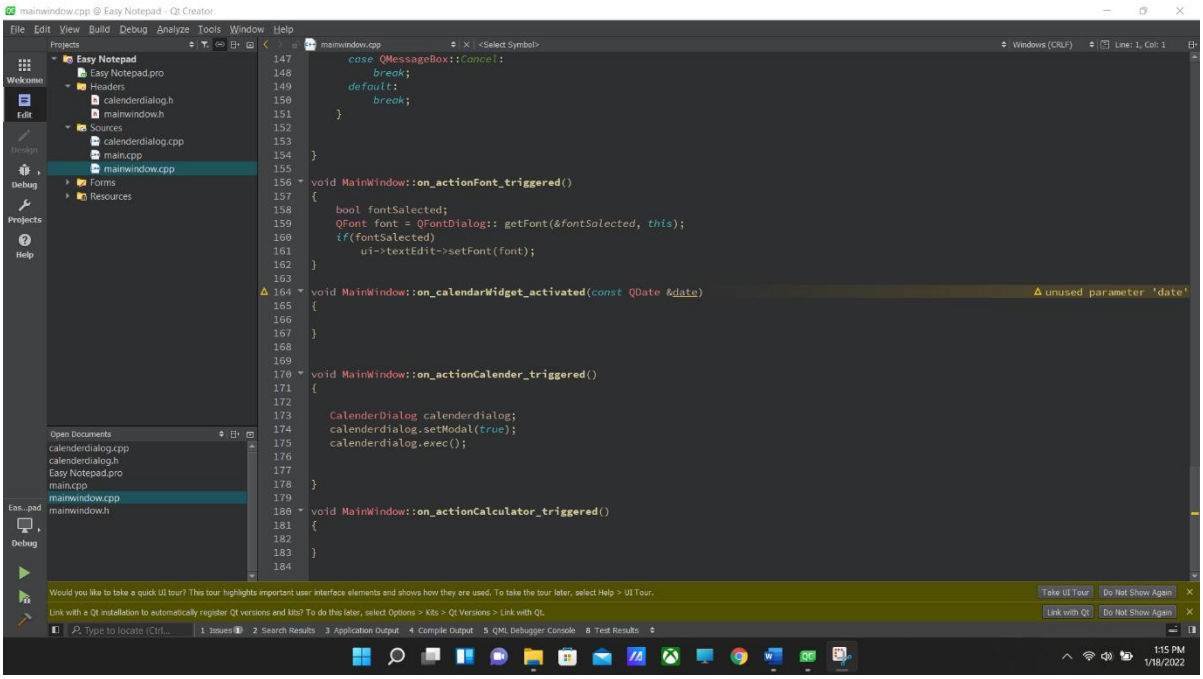
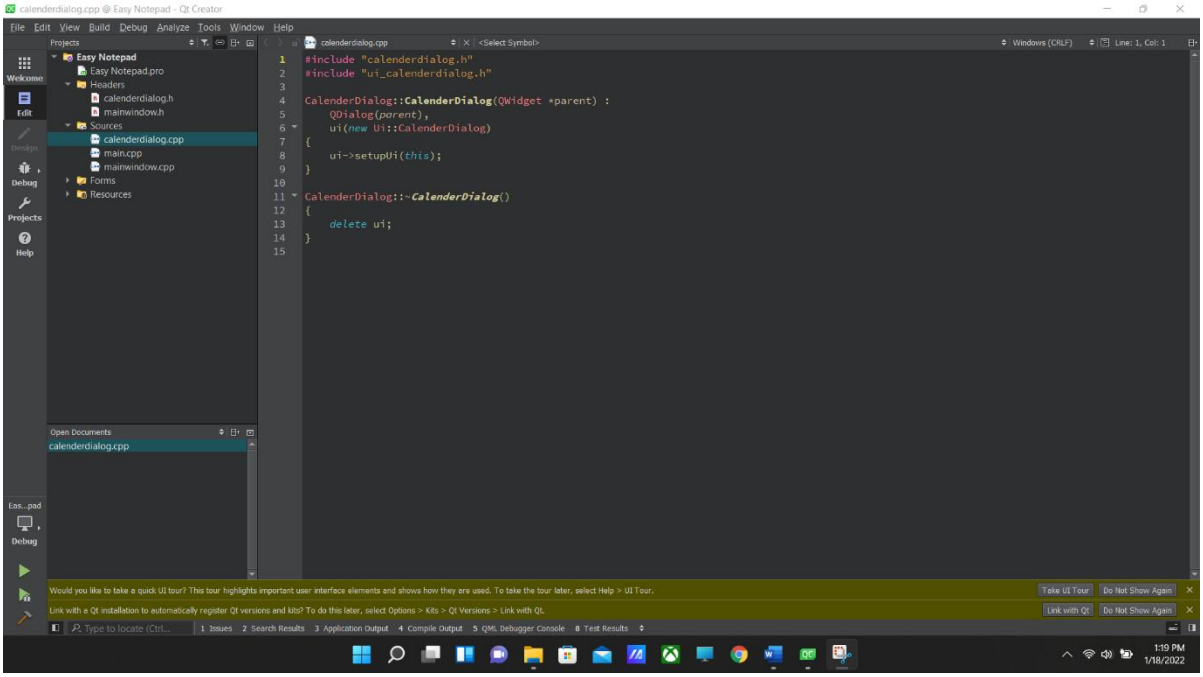




- Calender.cpp



- Conclusion

  - ❖ This Notepad software is a very useful and efficient tool for computer users. This will reduce their time to look at the notes, write them, customize them, and write different codes. It is implemented using cross-platform software using C ++.
  - ❖ The software has been tested on Windows 10, Linux and Mac OS. It runs flawlessly using the correct compiler.