**Experiment Report - 52 - test17\_mdichild**

1. **Summary Table of Errors Found**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | line 28 | Semantic | √ | × | × |
| E02 | line 39 | Semantic | √ | √ | √ |
| E03 | line 44 | Semantic | √ | × | × |

Additional Errors Found by Self: 0

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 33%

Peer 2 Detection Rate: 33%

1. **Source Code**
2. #include <QtWidgets>
3. #include <QPlainTextEdit>
4. #include <QtGlobal>
5. #include "mdichild.h"
6. #include "faultpromptdialog.h"
7. #include "highlighter.h"
8. #include "syntaxrule.h"
9. #include "faultlinehighlighter.h"
10. #include "mainwindow.h"
11. MdiChild::MdiChild(QWidget \*parent): QTextEdit(parent)
12. {
13. qDebug() << "-1";
14. setAttribute(Qt::WA\_DeleteOnClose); //delete this widget when the widget has accepted the close event
15. isUntitled = true;
16. lineNumberArea = new LineNumberArea(this);
17. foldingWidget = new FoldingWidget(this);
18. faultPrompt = new FaultPromptDialog(this);
19. classInfoHash = new QHash<QString, ClassInfo>();
20. syntaxIssueList = QList<ClassUndefinedSyntaxIssue> ();
21. unspecifiedTypeIssueList = QList<ClassMemberUnspecifiedIssue> ();
22. Highlighter = new Highlighter(this->document());
23. globalVars = new QList<Variable>(); //全局变量表
24. definedMethods = new QList<Method>(); //已经有函数体的函数表，比如类内函数或全局函数
25. Methods = new QList<Method>(); //调用的函数表
26. }
27. void MdiChild::newFile(QString fileName)
28. {
29. qDebug() << "-2";
30. static int sequenceNumber = 0;
31. isUntitled = true; //新建的文档没有被保存过
32. //新建文件，curFile存的不是文件的完整路径，所以不推荐直接新建文件，最好是先新建项目
33. if(fileName.isEmpty()){
34. curFile = tr("document1.txt").arg(sequenceNumber++); //当前文件命名
35. }else{
36. curFile = fileName;
37. }
38. setWindowTitle(curFile + "[\*]");
39. connect(document(), &QTextDocument::contentsChanged,
40. this, &MdiChild::documentWasModified);
41. qDebug() << "-2";
42. }