**Experiment Report - 53 - test18\_screenfactor**

1. **Summary Table of Errors Found**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | line 14 | Semantic | √ | × | × |
| E02 | line 16 | Semantic | √ | √ | √ |

Additional Errors Found by Self: 1

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 50%

Peer 2 Detection Rate: 50%

1. **Source Code**
2. #include "screenfactor.h"
3. #include <QScreen>
4. #include <QApplication>
5. ScreenFactor::ScreenFactor(QObject \*parent) : QObject(parent)
6. {
7. }
8. double ScreenFactor::getScreenFactor()
9. {
10. //获取屏幕缩放倍数
11. QScreen \*screen = qApp->primaryScreen();
12. const int baseValue = 90; //100%时为96
13. qreal dpiVal = screen->logicalDotsPerInch();
14. qreal dpiVal = screen->devicePixelRatio();
15. //qDebug() << dpiVal << ratioVal;
16. screenFactor = dpiVal \* ratioVal / baseValue;
17. return screenFactor;
18. }