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| **Files Too Long:** | 177 |
| **Functions Too Long:** | 9 |
| **Overly Complex Functions:** | 27 |
| **Unreachable Code:** | 6 |

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| **Classes**: | 1197 |
| **Files**: | 486 |
| **Program Units**: | 5945 |
| **Lines**: | 113579 |
| **Lines Blank**: | 13911 |
| **Lines Code**: | 71334 |
| **Lines Comment**: | 30457 |
| **Lines Inactive**: | 0 |
| **Executable Statements**: | 28729 |
| **Declarative Statements:**: | 21696 |
| **Ratio Comment/Code**: | 0.43 |

Autopsy has 486 files and 1197 classes, and 71334 lines of code. Each class has an average of 59 lines of codes, and each file has an average of 2.5 classes. 30% of the code is declaring variables. 40% of the code is statements that execute in some way. 177 files ran over 200 lines of code and were deemed too long. 9 functions were ran over 200 lines and were deemed too long. 27 functions were rated as too complex and there were 6 instances of unreachable code.

Vulnerabilities in timeline.java were indicated by FindBugs. In depth analysis shows that timeline has a poor amount of documentation with comments only counting for 20% of the lines. 22 different classes were declared in the file. The file has a cyclomatic complexity of 137, with a max of 11. This indicates that the file is overly complex and suffers from the large class code smell, and should be refactored to reduce the issues with it.

Metrics - timeline.java

AvgCyclomatic 2

AvgCyclomaticModified 2

AvgCyclomaticStrict 2

AvgEssential 1

AvgLine 18.78

AvgLineBlank 1.87

AvgLineCode 14.89

AvgLineComment 2.56

CountDeclClass 22

CountDeclClassMethod 4

CountDeclClassVariable 3

CountDeclFunction 63

CountDeclInstanceMethod 59

CountDeclInstanceVariable 34

CountDeclMethod 63

CountDeclMethodDefault 8

CountDeclMethodPrivate 14

CountDeclMethodProtected 4

CountDeclMethodPublic 37

CountLine 1,177

CountLineBlank 154

CountLineCode 867

CountLineCodeDecl 287

CountLineCodeExe 540

CountLineComment 195

CountSemicolon 510

CountStmt 664

CountStmtDecl 296

CountStmtExe 368

MaxCyclomatic 11

MaxCyclomaticModified 11

MaxCyclomaticStrict 13

MaxEssential 8

MaxNesting 3

RatioCommentToCode 0.22

SumCyclomatic 137

SumCyclomaticModified 137

SumCyclomaticStrict 143

SumEssential 91

177 files too long

9 functions too long

27 overly complex functions

6 unreachable code