**Complexity Metrics**

MetricsReloaded Plugin

|  |  |  |
| --- | --- | --- |
| package | Average Cyclomatic Complexity | Total Cyclomatic Complexity |
| |  |  |  | | --- | --- | --- | | org.jabref.gui |  |  | | 2,01 | 595 |
| |  |  |  | | --- | --- | --- | | org.jabref.logic |  |  | | 1,18 | 13 |
| |  |  |  | | --- | --- | --- | | org.jabref.migrations |  |  | | 2,56 | 100 |
| |  |  |  | | --- | --- | --- | | org.jabref.model |  |  | | 1,96 | 106 |
| |  |  |  | | --- | --- | --- | | org.jabref.preferences |  |  | | 1,44 | 511 |

**java/org/jabref/gui**

This package has an average cyclomatic of 2,01 (being on of the highest of all packages) and a total cyclomatic complexity of 595, the package with the highest total complexity which means this package has many files in it. As it is the package that deals with the User Interface, it has a higher cyclomatic complexity to make as user friendly as possible. However, the team has reported some code smells in this package which can lower the complexity. For instance, in *java/org/jabref/gui/EntryTypeView.java* there is a switch statement that iterates through all the values in the Enum