Dependencies metrics

Class metrics

Cyclic

Calculates the number of classes or interfaces which each class directly or indirectly depends on, and which in turn directly or indirectly depend on it. Such cyclic dependencies may result in code which is difficult to understand and test.

Chart, line chart

Description automatically generated

Table

Description automatically generated with medium confidenceAs we can confer the chart shows that more than 50% of the classes have at least 50 cyclic dependencies, which is a very bad stat for the project.

The chart above shows us, that there is a big cluster of classes that heavily depend (directly or indirectly) on one another.

Distribution of dependencies by class

Calculates the number of classes or interfaces which each class directly depends on.

Table

Description automatically generated

The graph shows us that 80% of the classes depend directly on at most 10 other classes. The GanttProject class is the one that has the most direct dependencies at 100, this is to be expected as it is the system class of the project.