The complexity metric

Uma imagem com mesa

Descrição gerada automaticamente

Cyclomatic complexity is a measure of the complexity of the program in terms of possible taken in the program. This will affect the difficulty of understanding and modifying the code. It is especially noticeable in the average of the methods and their maximum. 1.8 average is not very big, but for a project of this caliber, having a maximum of 89 is a bad sign.

The Essential cyclomatic complexity is a measure of the Cyclomatic complexity of the code when reduced. The value of this being so low, where the maximum is 16 in comparison to 89, means that the code can be broken down into simpler subfunctions.

Design complexity is a similar measure and both demonstrate just how complex this code is.

Cognitive complexity is a measure of how easy it is for a human to understand code, and while 1.2 is a decent average, 183 as a maximum is worrisome.

Weighted method complexity is a measure of class complexity, looking at Cyclomatic complexities in said class, with 13.7 as an average being pretty bad and the 176 as a maximum is extremely troubling.