

Abstract

SRS (Software Requirement Specifications) is a document that explains the specifications for the needs of a particular software that performs certain functions in a specific environment. In making SRS, various kinds of errors can occur, one of which is when the document has a writing structure and document structure which is not good. This makes the SRS not modifiable. When modifiable characteristics inside the SRS are not achieved, it is very likely that a software development project will encounter failure when the SRS is updated. Therefore in this study a Python-based program were developed to check the SRS Modifiable quality values automatically. In the program the Quality Assessment method is applied which inside it the application for Natural Language Processing also happened. After SRS quality is calculated, the program will be tested by the means of doing manual repairs to the SRS and compared it with the results of the initial calculation. The results obtained are SRS modifiable quality values and document sections which can be a reference for SRS repair or completion.

Keywords: Software Requirement Spesifications, Modifiable, Quality Assessment, Natural Language Processing