

Propose model for elicitation nonfunctional requirements in agile methods

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Abstract

Elicitation of requirements is a critical activity in software development. The majority of studies have found that the Nonfunctional Requirement receives less attention (NFR). NFR's carelessness. Also, RE is essential for the development of any new application. The majority of the system fails as a result of a poor elicitation decision. It is impossible to discover the requirements and needs of users without the use of an elicitation technique. The most common difficulty for analysts during the elicitation process is ensuring effective communication between analysts and users.

Agile processes introduced their most widely applicable technique, user stories, to express project requirements. A user story is a simple and brief written description of desired functionality from the user's or owner's point of view. As a result, NFRs require special attention in Agile software development.

In this study, the POS tagging and tokenization of NLP techniques and the study will be used the SVM algorithms, which showed a 94.6 percent for the use case entity and an 82.5 percent for the actor entity, And 92.1 percent of them are related to one another. With agile user story requirements.

Keywords: NLP, nonfunctional requirements, requirements elicitation, SVM, User story