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Terms extractions: An approach for requirements reuse (Conference Paper)

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Abstract
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This paper presents a solution to a requirements reuse problem that utilises natural language processing and information retrieval technique. We proposed a semi-Automated approach to extract the software features from online software review to assist the process to reuse natural language requirements. We have conducted an experiment to compare the manual feature extraction versus the semi-Automated feature extraction. We used compilations of software review from the Internet as a source of this extraction process. The extracted software features are compared against the features obtained manually by human and the evaluation results obtained in terms of time, precision, recall, and F-Measure indicate a promising result. © 2015 IEEE.

Author keywords

Features extraction   Requirements engineering   Software reuse

Indexed keywords

Engineering controlled terms:	Automation Computational linguistics Computer software selection and evaluation
	Extraction Feature extraction Information science Natural language processing systems
	Requirements engineering

Compendex keywords	Automated approach Automated feature extraction Evaluation results Extraction process
	Features extraction NAtural language processing Natural language requirements
	Requirements reuse

Engineering main heading:	Computer software reusability

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