Abstract

The Software Requirements phase has notable importance, since it is responsible for the definition of the system itself. Several customers indicate which functionalities they want to be present in the software. However, constraints, such as budget, make it impossible to implement all desired requirements at once. One activity in this context is the release planning. The
selection of which requirements should be implemented to the next release is necessary. In literature, metaheuristics have been employed to solve this problem. The objective of this work is to propose the use of exact optimization techniques in the problem, with the advantage that the resolution through these techniques ensures the best solutions. The results in several experiments show the validity of such application, in comparison with the metaheuristics approach.

Reference


Index Terms
Key words
Search Based Software Engineering
Next Release Planning
Software
Requirements