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Abstract

Test cases are often modified to conform to changes in software. In this paper, test case adaptation is cast as a model-driven program repair problem. Such a view allows one to address even the most complicated test scripts (testing programs) with non-trivial control and data structures. At the same time, we instantiate our approach for sequential preset tests cases. Based on our view on adaptation as test repair, the problem of preset sequential test adaptation could be solved with well known techniques developed in the context of spellchecking and code correction. A preliminary case study on a travel request management business process is reported.

Keywords: Test Adaptation, Repair, Edit distance, Spellchecking