

Automated Acceptance Testing: a Literature Review and an Industrial Case Study

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Summary

Focuses on a case study of using automated acceptance testing in the industry and a literature review of AAT done in Agile settings. A systematic literature review was undertaken utilizing key search phrases on indexing services, filtering these results further based on relevance of AAT in Agile, and synthesizing the remaining papers. Main findings included good results from stating requirements in the form of acceptance tests, which also helped improve domain and system knowledge. The case study further supported the literature review findings, where all 8 developers responded positively to the process and would continue to use AAT in new projects.

Strengths

- Covers many aspects of AAT, especially the team communication aspects.
- Cost/benefit analysis of writing and maintaining tests -- may not always be the best idea. However, more frequent testing with automation can be a big bonus.
- Explores some new topics, and doesn't just focus on the positive effects of AAT.

Weaknesses

- The paper is a bit dense in that there are a lot of sections and topics. The paper could be a bit more concise and have better organization of topics and findings.
- Seems more focused on literature review than on adding new information through case study.
- Selenium is mentioned a few times, but for most of the paper only Fit is discussed, even though they mention 2 projects on the case study, one using each. Selenium is mentioned 15 times in the paper and half of those are in describing what it is and sources. Fit is mentioned 77 times.
- Seeing some actual Fit/Selenium test code would be nice -- how does AAT look when put into practice?