How Crawlers Aid Regression Testing in Web Applications: The State of the Art

Abstract

In today’s world web applications have increasingly become very popular, and with the same speed they are been upgraded frequently. This poses a big challenge for web application testing. To ensure web application quality, we must perform adequate testing for the new features as well as regression testing the web application in each of iteration. This requires us to systematically identify/locate changes introduced in the new iteration. This paper surveys various tools which identify/locate new changes, which greatly facilitates web application testing in short release cycles. Also we will describe what are web crawler’s and show how crawlers can aid in regression testing of web applications.

References

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- HtmlUnit, DOI: http://htmlunit.sourceforge.net/.


**Index Terms**

- Computer Science
- Software Engineering

**Keywords**

- Regression Testing
- Web application testing
- Web Crawlers