DESIGN OF A FRAMEWORK FOR TESTABILITY MEASURES DURING THE MANUAL TESTING PROCESS OF A WEBSITE-CASE STUDY OF SYCAMORE SOFTWARE SOLUTIONS PVT. LTD

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ABSTRACT

One of the challenges of testing web applications derives from their dynamic content and structure. As we test a website, we may discover more about its structure and behavior. This study consists of a framework for collection of testability measures during the manual testing process of a Website. The measures gathered in this way can take account of dynamic and content driven aspects of web applications, such as form structure, client-side scripting and server-side code. Their goal is to capture measurements related to on-going testing activity, indicating where additional testing can best lead to higher overall coverage. The current Web applications are in continuous evolution to provide new and more complex functionalities, which can improve the user experience by means of adapting and dynamic changes. Since testing is the most frequently used technique to evaluate the quality of software applications in industry, manual testing approaches will be necessary to evaluate the quality of future (and more complex) web applications.

KEYWORDS: Systematic Literature Review (SLR), Manual Testing, Systematic Mapping (SM)