Abstract

Testing is a software development activity, devoted to evaluating quality and improving the end product by identifying defects and problems. It’s an important aspect in software application development to insure the application quality which include the application's performance, reliability, speed, security and functionality. Testing can be done by automation tools like Win runner, QTP or manually. Manual testing, is another option, but it takes lot of time and manpower. Automated testing has increased costs and most of the times is not affordable for small or middle level organizations. In this paper we are presenting agent based testing which can fulfill the testing requirements on smaller costs. We present an implementation framework of an online application which can be accessed over the web and on payment of small amounts can provide different kinds of software tests for web based applications. The framework uses Multi Agent Systems to manage, perform, report the testing procedures.

References
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Index Terms
Computer Science Software Engineering

Keywords
Software Testing, Web Based Application, Multi Agent Systems(MAS).