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DEPARTMENT OF COMPUTER APPLICATIONS

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CONTENT

SOFTWARE TESTING AGAINST WEB APPLICATION TESTING

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Abstract

Testing is executing a system in order to identify any gaps, errors, or missing requirements in contrary to the actual requirements. Software testing is a process of executing a program or application with the intent of finding the software bugs. This paper will give a basic understanding on software testing, its types, methods, levels, and other related terminologies in first section. Web application testing is a testing methodology focused on applications that are hosted on the web. In simple terms, it is checking web application for potential bugs before it's made live or before code is moved into the production environment. Here this paper will give some ideas to test the web applications to make sure that a web application is ready to deploy in second section. Testing web applications differs from desktop application testing. Third section of this paper points out the complexities and nuances that make web testing a unique skill for testers. It is important to understand how testing web application is different from testing desktop applications. If we understand the distinction and challenges of testing web applications, it will be a bit easier to tackle them.

Software Testing

Software testing is process used to measure the information related to quality of the product or service under test. In this process we are doing measurement of quality & typically try to find the completeness, correctness, security of product or service under test. There are different levels during the process of testing. In this section, a brief description is provided about these levels. Levels of testing include different methodologies that can be used while conducting software testing. The main levels of software testing are:

- Functional Testing
- Non-functional Testing

Functional Testing

This is a type of black-box testing that is based on the specifications of the software that is to be tested. The application is tested by providing input and then the results are examined that need to conform to the functionality [6] it was intended for. Functional testing of software is conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements.

i) Unit Testing

This type of testing is performed by developers before the setup is handed over to the testing team to formally execute the test cases. Unit testing[9] is performed by the respective