A Survey on Cross Browser Inconsistencies in Web Application

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Abstract

Because of the advancement of Web technologies and the inconsistency of Web standards to be consistent with every single technology evolution, Web developers are been faced with certain challenges. It become difficult for them to keep track of their applications that are been correctly rendered across wide range of browsers and platforms. To find out cross-browser inconsistency, developers keep checking that every document produced by the application is appropriately passed across all useful browser-platform combinations. But this requires more time and results are error-prone. The existing cross-browser compatibility testing tools speed up this process by automating the rendering of a Web document in multiple browsers and platforms, and using either image analysis or Document Object Model (DOM) analysis to feature out cross-browser inconsistency. This paper comprises the problem of cross-browser inconsistent testing of the modern web applications as a functional accuracy check of web application’s behaviour with various web browsers and present a solution for it. Also, reasons of cross-browser inconsistency issues and solutions to them are been presented in the paper.
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Index Terms

Computer Science  Information Sciences

Keywords

Cross-browser inconsistency, web application, web server, software testing, web testing, and IE tester.