e-Business systems have emerged as new powerful promising web service providers to perform business on the Internet. e-Business applications are complex to develop and deploy despite the availability of many software application development tools, frameworks, patterns and methodologies. Many e-Business projects failed to give agreed performance due to unaddressed challenging issues of these complex applications. The paper explores some of the performance issues that need to be considered in the development of e-Business applications. A framework of quality metrics for performance analysis of these systems is also presented in the paper. The work presented gives a broader perspective of performance requirements of e-Business systems to developers, test engineers, and users of these applications. The paper also contributes to the choice of suitable development technology for developing flexible e-Business applications. This research work also compares and contrasts the features of two popular development technologies; J2EE and Microsoft’s .NET framework pertaining to e-Business application development.
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Index Terms

Computer Science  Web Applications

Keywords

e-Business performance issues  Web Services  Quality Metrics Framework  
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