

Software Engineering: Mobile Web Application and their Corresponding
Quality Factors

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Abstract

Mobile web applications are in high demand as more and more users switch to using mobile devices for the majority of their computing needs. It is crucial that design for mobile applications considers frugal and optimal resource usage as an essential aspect of application design or direct porting of desktop applications to mobile platforms is most often a recipe for failure. This paper will introduce some quality models for mobile web application and their challenges in respect of software engineering web application or the challenges into the quality of the ISO 9126 quality standard. ISO model focuses on those quality features that are important to assure the quality of mobile web applications. The quality model may be used for analyzing the quality factors of mobile web applications, expert evaluation checklists and may be used for quality based content adaptation. The paper shows that by applying quality insurance methods to the development of applications in mobile, web application development may be solved.

Keyword : 9126 Quality model, web application, mobile software, ISO9126