Comprehensive Framework for Measuring Website Usability To Support Testing

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ABSTRACT

There are many important factors determining the quality of a website. Usability is one of the main factors that determine quality of website. Many experts who provide recommendations for building usable design. Many experts who have built various frameworks to measure the usefulness of website. Based on the strengths and weaknesses that have been examined in previous studies, this research will construct a new framework. Framework constructed in this study combines several concepts on previous studies. This research framework using usability indicator weighting, usability aspects, usability criteria and sub criteria specific to each category of websites. This research framework generating statistics value of each sub-criterion in the form of ranking based on the value of the highest priority to the lowest. Thus the author hopes that this research framework can produce measurements that are more accurate value than the usefulness of the framework in previous study. Usability value can be used as a reference for software testing. Before the evolution of the software is done, of course developer must know parts that should be evolved. The testing process is a step that must be passed first. With reference to the results of the measurement framework of this study, the developers do not need to do testing manually. This of course can save effort expended. The author also hopes that this research framework can contribute to analysis of website testing.

Key word: Usability, website, framework, testing, indicator, aspect, criteria, weighting.