Abstract

The usability plays an important role in success or failure of the quality of software system. Object-oriented technology showed its importance to develop usable and efficient software system. There is a lack of usability models based on object-oriented technology as well as few efforts have done to evaluate usability qualitatively. This paper proposes a usability model for object-oriented system and evaluates the qualitative nature of this model. Evaluation is done by using fuzzy evaluation and AHP method. Results show that the qualitative nature of proposed model is better than the existing usability model.

References


Jing, C., Xuyan, L. 2009 Software Maintainability Metrics Based on the Index System and Fuzzy Method; 1st International Conference on Science and Engineering, IEEE.


ISO 9241, 1998 Ergonomics requirements for office work with visual display terminals (VDTs); Part 11: Guidance on usability.

ISO/IEC 9126-1, 2001 Institute of Electrical and Electronics Engineers, Part 1, 2, 3; Quality model.


Chidamber, S. and Kemerer, C. 1994 A Metrics Suite for Object Oriented
Index Terms

Computer Science  Software Engineering

Keywords

Usability  AHP  Object-oriented  Model  Fuzzy