Abstract

Nowadays, Internationalization is one of the most important aspects of Information Systems. Supporting multilingual features as a part of internationalization process, is being a competition in all Information Systems. There are many data modeling patterns to support multilingual features in development process of Information Systems with many quality attributes to evaluate them.

In this article, an evaluation framework has been designed for all multilingual support data modeling patterns and their quality attributes.

To obtain this aim, all data modeling patterns to support multilingual features have been collected. Then, all quality attributes related to patterns are collected and categorized as evaluation parameters. Afterwards, all quality attributes for each pattern been investigated. Finally, an evaluation framework has been tried to provide for all multilingual patterns and their
quality attributes.

References

1. http://whatis.techtarget.com/definition/internationalization-I18N.

Index Terms

Computer Science  Information Sciences

Keywords

Internationalization, Multilingual Information Systems, Data Modeling, Quality Attributes.