ABSTRACT

Due to its self-definability, semi-structured data and cross-platform ability, XML has been applied widely in fields of information and data publishing, encoding applications, web mining, electronic data interchange and web technology integration. The above mentioned technologies are closely related to the capability of query of XML, however, its lacks of indexing and query tool existing in relational database makes XML depending on XQuery. XQuery is a query language dedicated to query XML document, so the difficulty of learning and studying XQuery strongly influences the convenient and efficient of query of XML. However, the semi-structured property of XML makes XQuery more complicated than SQL and more difficult to study. Due to the success of QBE in visual query of relational database, generating SQL by using graphical interface becomes a good method to decrease the difficulty of querying by user. XQBE, a visual XML query language bases on the concept of QBE, was proposed successfully, and it efforts a way to generating XQuery through graphical interface. We tries to proposes a graphical interface system base on the concept of XQBE graphical interface in this paper, thus user can generate XQuery more intuitively to query XML documents by manipulating the interface of GIX.

Keywords: Graphical Interface, Visual Query, XML, XQuery, GIX

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