Abstract

Database systems are well-known for consistent storage, retrieval, and manipulation of data. At the same time, the Extensible Markup Language (XML) is fast emerging as the dominant standard for electronic data interchange between different systems and for the hypertext level of web site management describing pages and links between them. Since relational database systems form the backbone of essentially most of information systems because, the interoperability between XML and relational database systems is a must and becomes have a great importance. In this thesis, we represent XML as a new dominant standard for data exchange, we also represent the great importance of the interoperability between XML and Database, the essentials of this interoperability and the different aspects of this interoperability and we represented our enhanced approach for converting an existing relational data to XML data using the available metadata with the relational system and using XML schema for modeling the XML document structure.