An Algorithm for Mapping ER Schema in to XML DTD with Recursion

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 136 -
Number 10

Year of Publication: 2016

Authors:
Pushpa Suri, Divyesh Sharma

Abstract

XML has emerged as a standard for data exchange over the internet. Relational databases provide a mature technology to store these documents. In this paper we transform ER diagram of relational databases into DTD of XML documents. We provide an algorithm that translates ER diagram with cycles into recursive DTDs. This algorithm translates each component of ER diagram into components of DTDs along with cycles in ER diagram to generate recursive DTD's.

References

An Algorithm for Mapping ER Schema in to XML DTD with Recursion


Index Terms

Computer Science Algorithms

Keywords

XML, DTD, Relational Databases.