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

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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

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Index Terms

Computer Science, Algorithms

Keywords

XML, DTD, Relational Databases.