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 diagrams of relational databases into DTDs of XML documents. We provide an algorithm that translates ER diagrams containing cycles into recursive DTDs. This algorithm translates each component of an ER diagram into components of DTDs along with cycles in ER diagrams to generate recursive DTDs.

References


**Index Terms**

Computer Science

Algorithms

**Keywords**

XML, DTD, Relational Databases.