Abstract

Schema matching is the task of finding semantic correspondences between elements of two schemas. It takes two schemas as input and returns a mapping that identifies corresponding elements in the two schemas. Schema matching is an important and vital step in many schema and data translation and integration applications, such as integration of web data sources, data warehousing, XML message mapping etc. In this paper, we describe different characteristics exhibited by matching element pairs at various levels in the XML schema and propose a system which uses these characteristics to perform the matching process. The novelty in the system is the architecture of the system which comprises of a linguistic matcher in combination with a set of filters operating based on the level of the element pairs to be matched in the source and target XML schemas.
Reference

- Hong Hai Do and Rahm, E., “COMA - A System for Flexible Combination of Schema Matching Approaches,” in the proceedings of Int. Conference on Very Large Data Bases, 2002.

Index Terms

Computer Science

Data Mining

Key words

Schema Matching

Hybrid Schema Matching

Schema Integration

XML Schema

Matching
XML Schema Integration

Semantic Matching