XML Document Processing: Theory and Practice
Course note based on


course note prepared by
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Week 14, Fall 2008
Outline

- Regular tree grammar as an abstract model for studying XML schema languages
  - Local tree grammar, single-type tree grammar, and regular tree grammar
  - Closure property
  - Relationship to XML DTD, XML Schema, and Relax NG
  - Validation of tree structures against local/single-type/regular tree grammars

- Regular expressions and (non-)deterministic content models
  - Regular expressions and (non-)deterministic finite state automata
  - Closure property
  - Validation of element sequences against regular expressions

- Discussion