

# **Knowledge Management Semantic Web and Social Networking**

**Semantic Web Technologies**

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# Outline

- XML
- RDF
- OWL
- RULES
- Reference: G. Antoniou and F. vanHarmelen, *A Semantic Web Primer*, MIT Press, 2004 (second edition, 2008)

# XML

## The XML Language

An XML document consists of

- a **prolog**
- a number of **elements**
- an optional **epilog**

The prolog consists of

- an XML declaration and
- an optional reference to external structuring documents

```
<?xml version="1.0" encoding="UTF-16"?>
```

```
<!DOCTYPE book SYSTEM "book.dtd">
```