

Annotation

Maps to a UML Comment with or without the stereotype XSDannotation. The documentation content maps to the UML Comment body (name).

“documentation” maps as a UML comment, as outlined below:

- the “content” value - the comment name.
- the “xml:lang” value – the tag “xml:lang” value.
- the source value – the tag “source” value.

“appinfo” maps as a tag value with the name “applInfoSource”:

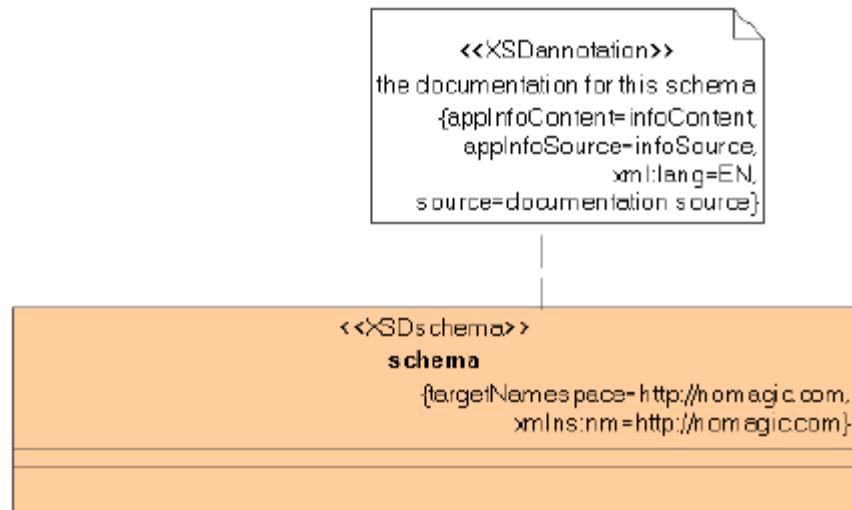
- the “source” value will be the tag value.
- the “content” will be documentation for the tagged value.

When several annotation nodes appear on one element node, mapping shall be done as follows:

- the “documentation” text shall be merged into one UML comment with merged content, but the “content” and “xml:lang” tag values shall represent only the first matched values.
- “appInfo” shall have “content” merged into one tag “applInfoSource” comment, but the tag value shall represent the “appinfo” matched first.

annotation XML representation summary
<pre><annotation id = ID {any attributes with non-schema namespace ...}> Content: (anninfn I dorumpnrariowL. </annotation> <appinfo source = anyURI> Content: ({any})* </appinfo> <documentation source = anyURI xml:lang = language> Content: ({any})* </documentation></pre>

XML representations of three kinds of annotation
<pre><xs:simpleType fn:note="special"> <xs:annotation> <xs:documentation>A type for experts only</xs:documentation> <xs:appinfo> <fn:specialHandling>checkForPrimes</fn:specialHandling> </xs:appinfo> </xs:annotation></pre>



annotation UML model example.

annotation XML code sample

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<xs:schema xmlns:nm = "http://nomagic.com" xmlns:xs = "http://www.w3.org/2001/XMLSchema" targetNamespace = "http://nomagic.com">
  <xs:annotation >
    <xs:appinfo source = "infoSource">infoContent</xs:appinfo>
    <xs:documentation source = "documentation source" xml:lang = "EN">the documentation for this
schema</xs:documentation>
  </xs:annotation>
</xs:schema>
  
```