

# 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”:

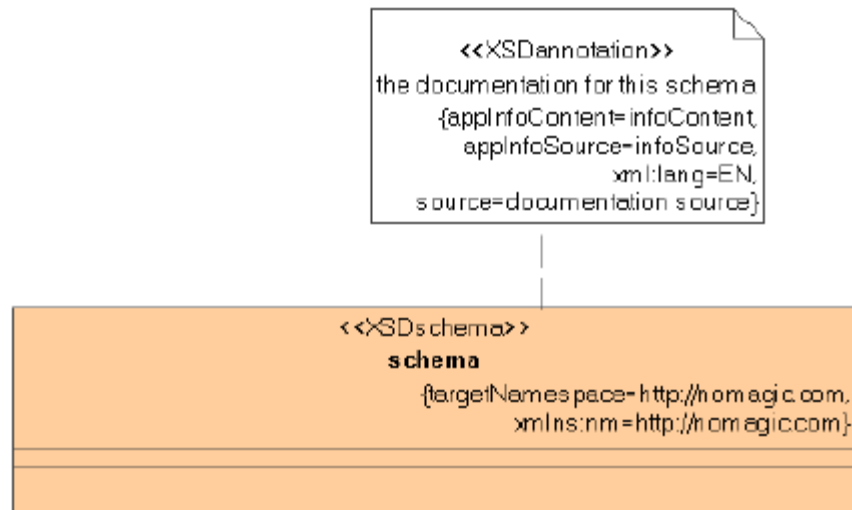
- the “source” value will be the tag value.
- the “content” will be documentation for the tagged value.

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>&lt;annotation   id = ID   {any attributes with non-schema namespace ...}&gt;   Content: (anninfo I dorumpnrarioWl. &lt;/annotation&gt;  &lt;appinfo   source = anyURI&gt;   Content: ( {any} ) * &lt;/appinfo&gt;  &lt;documentation   source = anyURI   xml:lang = language&gt;   Content: ( {any} ) * &lt;/documentation&gt;</pre>

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



annotation UML model example.

#### annotation XML code sample

```

<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>
  
```