XSLT

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"
A transformation in the XSLT language is expressed in the form of a stylesheet ... A transformation expressed in XSLT describes rules for transforming input data into output data."
— XSL Transformations (XSLT) Version 3.0

In simpler terms, XSLT can translate TEI into HTML for publication on the web.

A XSLT stylesheet

```xml
<?xml version="1.0" encoding="UTF-8"?>

<xsl:stylesheet
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

   xmlns:xs="http://www.w3.org/2001/XMLSchema"

   xmlns:tei="http://www.tei-c.org/ns/1.0"

   exclude-result-prefixes="xs"

   version="3.0"> ... </xsl:stylesheet>
```

xsl:template match

```
<xsl:template match="tei:body">

   <html:body>

     <xsl:apply-templates/>

   </html:body>

 </xsl:template>
```

xsl:value-of select

<xsl:value-of select="tei:publisher"/> in

    <xsl:value-of select="tei:pubPlace"/> on

       <xsl:value-of select="tei:date"/>.

XSLT functions

```
<xsl:value-of select=

    "format-date(tei:date,'[MNn] [D01], [Y0001]')"/>
```

Conditional Expressions

```
<xsl:template match="tei:lg">

    <xsl:if test="@n=1">

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    </xsl:if>

    <xsl:apply-templates/>

  </xsl:template>
```

Limitations of XSL

- Programming in XML is very verbose
- Transformations of TEI to HTML frequently lossy
- Less useful for querying TEI corpora