

Project-task 3 - Transformations using XSLT, part 1 (XML, XHTML)

Transformations using XSLT

For an XML document from project-task 1, create **two** XSLT transformation templates.

- The first transformation will be aimed at creating a supporting document in XML format, which is a report obtained on the basis of a source document.
- The second transformation will be aimed to obtain from the supporting document a document for presentation in XHTML format, with additional requirements increasing the functionality of the document.

Supporting document

It is a report, summary or printout for the customer. Such document should contain XML tags needed to easily obtain the output document for the presentation.

This is a good time to **combine elements related to ID and IDREF (S) attributes**.

For example, on the invoice you can attach the producer's name alongside the product, in the movie list next to the movie you can attach the publisher's name, etc. If the source document contained prices and the number of goods, partial sums, VAT amounts, etc. should be calculated. Thanks to this, it will be easier to obtain the final sum(s) in the final document.

It is also possible to group and/or sort items with a certain criterion, e.g. films by genres and titles, goods by manufacturer or type, etc.

At the end of the document, a summary should include the statistics of the original document. This summary may contain information such as:

- the number of data elements,
- the number of different categories of elements (if they are - e.g. for enumeration),
- subtotals, final sum (for "price" type tags), sum of VAT amounts (for different VAT rates),
- the date the report was generated.

XHTML document

In addition to using this format, you should also take into account recommendations regarding the accessibility of HTML pages: [Web Content Accessibility Guidelines](#).

Elements to which special attention will be paid:

- document validation as **XHTML 1.0 Strict**, e.g. in the [W3C validation service](#)
- the ability to easily navigate the document using a text browser (e.g. `links`, `lynx`),