

Due on: **Tuesday 05.06.2007 by 13:00** (via email: tso@ismll.uni-hildesheim.de)

Exercise 7.1

Use sales.xml (available online) and use XSLT to:

- a) [1 points] Replace each `s` element with the element `score`, with XSLT .
- b) [1 points] Output and emphasize (marked up with ``) each country in HTML format, with XSLT.
- c) [1 points] For the `country` elements, replace its `name` attributes with `place` attributes, and change the values for the attributes from `Germany`, `France` and `Italy` to `Deutschland`, `Frankreich` and `Italien`, with XSLT.
- d) [2 points] Use XSLT to output and automatically assign “(odd)” to an odd score and “(even)” to an even score for the German score: i.e.:

30(even)
35(odd)
37(odd)
44(even)

- e) [3 points] Write an XSLT stylesheet that renders the data in an HTML table as follows:

	2000	2001	2002	2003
Germany	30	35	37	44
France	21	24	23	19
Italy	17	19	17	20

Exercise 7.2

The movie critic Piero Scaruffi has published a list of the *1000 Best Films of all Times* (see <http://www.scaruffi.com/cinema/best100.html>). The XML-ified version of this HTML page looks like

```
<?xml version="1.0"?>
<movielist>
  <entry rank="1" year="1941">
    <director>Orson Welles</director>
    <title>Citizen Kane</title></entry>
  <entry rank="2" year="1959">
    <director>Alfred Hitchcock</director>
    <title>North By Northwest/ Intrigo Internazionale</title></entry>
  <entry rank="3" year="1958">
    <director>Orson Welles</director>
    <title>Touch Of Evil</title></entry>
  ...
</movielist>
```

(the full list is available at the script page of the lecture / online).

- a) [4 points] Write an XSLT stylesheet that transforms the XML document in a HTML document listing the movies by rank.
- b) [8 points] Write XSLT stylesheets that build a small website that consists of
 1. a page for films listed by rank,
 2. a page for directors listed alphabetically with a list of films directed by each director,
 3. a page for films listed by year,

such that

- each rank is a hyperlink that points to the position of the film in the list by rank,
- each director is a hyperlink that points to the position of the director in the list by director, and
- each year is a hyperlink that points to the position of the year in the list by years.

(screen shots of the expected result for this exercise are posted online)