

Lab “Semantic Technologies” WS 2019

Problem 3 (to be handed in Thursday, December 26, 2019)

The enclosed file is a rather complete list of the television programme from November 26 – December 2 in the form of many XML entries similar to

```
<programme start="20191126174000 +0000" stop="20191126182500 +0000"
channel="One.de">
  <title lang="fr">Sturm der Liebe</title>
  <sub-title lang="fr">(2012)</sub-title>
  <desc lang="fr">.../desc>
</programme>
```

a.) Write an XSLT style sheet that uses two parameters *\$time* and *\$channel* to return the data for the programme which is running on that channel at the time given.

b.) Write a computer program (in Java or any other programming language) that takes two parameters time and channel as console input, passes these parameters into the stylesheet from a.) and calls a a prebuilt XSLT-processor to return the required data from the big file.

A description of how to call the XSLT-classes for Java may be found here:

https://docs.oracle.com/cd/B19306_01/appdev.102/b14252/adx_j_xslt.htm

Source code as well as the final program has to be submitted.