

XML and Applications Lecture info

Patryk Czarnik

XML and Applications 2014/2015

Lecture name

- Officially:
XML i nowoczesne technologie zarządzania treścią
XML and Modern Techniques of Content Management
- I would rather propose:
XML i zastosowania | XML and Applications
- Our website: xml.mimuw.edu.pl

Main subjects

- XML in its own
- Design and modelling: DTD, XML Schema, and alternatives
- Using XML in our programs (Java platform):
 - basic API – DOM, SAX, StAX, JAXP, JAXB
 - web services – JAX-WS
- Standards for XML processing: XPath, XQuery, XSLT
- Presentation of XML
- XML and databases, “native XML databases”
- Content and document management

Acknowledgements

- Lecture started in 2001 as a concept of **Szymon Ziolo**.
 - Main lecturer from 2001 to 2007.
- Editions from 2008 to 2012 conducted by **Maciej Ogrodniczuk** and Patryk Czarnik.

We profit from the work of our predecessors!

- Slides may occasionally contain:
 - examples from recommendations, tutorials, and Wikipedia,
 - drawings from openclipart.org and Wikipedia.

Assessment

- Individual project developed during the course (30p.)
2 official deadlines:
 - **5.11** - schema (10p.) and vision of the system,
 - **7.01** - final version of the implementation.

We hope, however, that you will be presenting and consulting your partial results earlier.

- Written exam (50p.)
 - partially a typical choice test
 - but in a large part “solving problems” (on paper)
 - You may use your notes!
(printed or written, but not electronic devices)

Assessment

Important remarks:

- Positive evaluation of project is required before the exam.
- The project note is fixed before getting the exam note!
- All achievements have to be sent by email before deadlines! (Sending something in time is better than sending something more too late).
- Trainers may want solutions to be presented individually during classes or in other terms.
- No penalty for assessing in “second term”, you only loose the the first attempt to the exam.
- The scope of the exam is not limited to the content of these slides.