XML and Applications
Lecture info

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XML and Applications 2013/2014

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 Zioło**.
    - Main lecturer from 2001 to 2007.
- Editions from 2008 to 2012 conducted by **Maciej Ogrodniczuk** and Patryk Czarnik.

> We profit from 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.) 3 iterations:
    - **4.11** – schema (10p.) and vision of the system,
    - **9.12** – software with the key functionality working,
    - **13.01** – corrected and enhanced implementation; if not sent, solution from it.2 is considered the final one.
    - Deadlines counted to **12:00** (day!) of the given day.
- Written exam (50p.)
    - partially a typical test
    - but in a large degree "solving problems" (on paper)
    - You may use your notes!
      (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.