XML and Applications
Lecture info

Patryk Czarnik

XML and Applications 2015/2016

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 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 (deliverables should be sent <u>before the classes</u> on these dates):
  - **31.03** – schema (10p.) and vision of the system,
  - **26.05** – 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 also filling something, "solving problems" (on paper)
  - You may use your notes!
    (printed or written, but <u>not electronic devices</u>)

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 less in time is better than sending 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.
  - **You** have, however, to catch us during summer holidays. Notice us early enough.
- The scope of the exam is not limited to the content of these slides.