

X**M****L**

Data Management

dott. Chris Mair
2009/2010 @unibz

0 – XML begins

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About

- dott. Chris Mair
- <http://www.1006.org/>
- chris@1006.org
- sometimes blocked by unibz spam filter
(try chrism@desk.nl if you don't get an answer)
- office hour is after the exercise hour

About You!

- how many bachelor / master students?
- did you do *Introduction to Programming*?
- did you do *Introduction to Databases*?
- please send me an email!

Lectures (E4 I I)

dt				t
Wednesday	07	Oct	2009	10:30-12:30
Wednesday	14	Oct	2009	10:30-12:30
Wednesday	21	Oct	2009	10:30-12:30
Wednesday	28	Oct	2009	10:30-12:30
Wednesday	04	Nov	2009	10:30-12:30
(mind the gap)				
Wednesday	25	Nov	2009	10:30-12:30
Wednesday	02	Dec	2009	10:30-12:30
Wednesday	09	Dec	2009	10:30-12:30
Wednesday	16	Dec	2009	10:30-12:30
Wednesday	23	Dec	2009	10:30-12:30
Wednesday	13	Jan	2010	10:30-12:30
Wednesday	20	Jan	2010	10:30-12:30 (will be moved)

Exercises (E53 I)

	dt				t	
Monday	12	Oct	2009		17:00-18:00	
Monday	19	Oct	2009		17:00-18:00	
Monday	26	Oct	2009		17:00-18:00	
Monday	02	Nov	2009		17:00-18:00	
Monday	09	Nov	2009		18:00-19:00	(!)
Monday	16	Nov	2009		18:00-19:00	(!)
Monday	23	Nov	2009		18:00-19:00	(!)
Monday	30	Nov	2009		17:00-18:00	
Monday	14	Dec	2009		17:00-18:00	
Monday	21	Dec	2009		17:00-18:00	
Monday	11	Jan	2010		17:00-18:00	
Monday	18	Jan	2010		17:00-18:00	(will be moved)

Contents...

- purpose and history of XML
- markup rules, well-formed XML documents
- validation: DTD, other schemas
- XML stylesheets – example: XHTML & CSS
- parsing and generating XML documents programmatically – example: APIs available in Java

...Contents

- XPath and Xpointer
- Transformations with XSLT
- XML and relational databases –
example: XML support in PostgreSQL
- native XML databases –
example: eXist

Textbook

- there are many good books about XML – here's one I like:



Learning XML, 2nd Edition
By Erik T. Ray
ISBN: 0-596-00420-6
Publisher: O'Reilly

Exam

- oral exam (100% of the mark)
- note: a few assignments will be given during the exercise hours that students should solve and hand-in individually or in groups of up to 3 students
- handing-in assignments is recommended since part of the oral exam will be a discussion of the assignments

Thank you!

Have a lot of fun with XML :)