

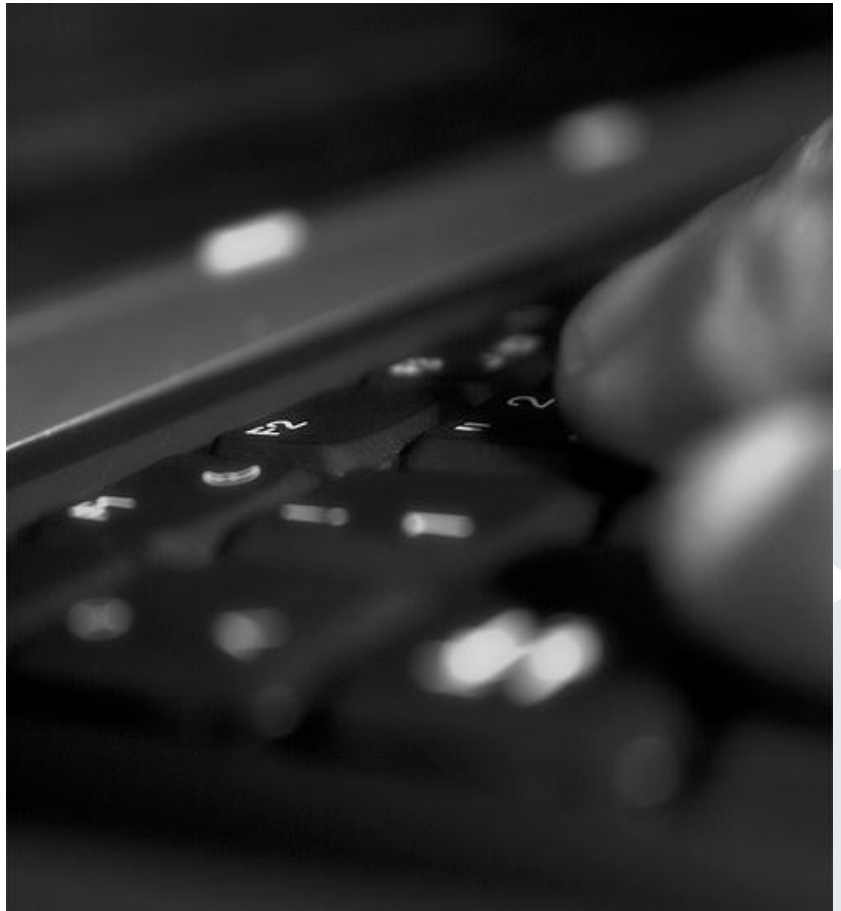
Mentorium 5
Business Informatics 2 (PWIN)

Markup Languages



Databases & Data-oriented
Modelling

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Jenser (Flickr.com)

- XML
 - Databases & Data-oriented Modelling
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- Write a DTD for the storage of a dynamic customer profile based on the Myplace example. Further more write an example XML document which is based on this DTD.
- The customer profile shall include the users pseudonym, login time, current location, personal data (age, gender, interests). Possible interests are cinema, restaurant, tennis, soccer, sports bar... .
- ***Example for XML:***
 - Pseudonym: mobileFritz1380, Age: 25, gender: male
 - Interests: Cinema, Restaurants

- Element-Content:

EMPTY	Empty element
ANY	Any content
	Selection list
,	Sequence
()	Grouping
(#PCDATA)	<i>Parsed Character Data</i> (mixed data)

- Cardinalities:

	empty: exactly one value is necessary
+	At least one value
?	None or one value
*	None or multiple values

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- Create an ER model of the matching process between Points of Interests (POIs) and users, when a search query is sent via the mobile portal of the myPlace service.
- Use entities, relationships, cardinalities, attributes and aggregations.

- After creating your ER model, derive the relations, their attributes and the according data types.