XML

# Exercises for the laboratory

Design a data model for a library. A library contains a few storages. Each storage contains shelves with books and magazines from a given domain, eg. “Technology”, “Biology” or “Philosophy”.

In the following exercises create an XML file with internal DTD. For validation use eg.: <https://www.xmlvalidation.com/>

1. Declare the document root “library”.
2. Make library contain one or more nodes “storage”.
3. Make the “storage” node contain one or more nodes “shelf”.
4. Declare an obligatory attribute “domain” of the node “shelf”.
5. Design the nodes “book” and “magazine” with appropriate inner nodes, such as title, author...

# Homework

Design a data model for a shop. Shop has a few departments. Each department has shelves with different merchandise, eg. “groceries”, “clothes”.

1. Design a data model similar to the library data model. **(3 pkt)**
2. Design at least three types of products. **(1 pkt)**