ASSIGNMENT Lecture 4

1. Write a DTD for a **bibliography**. This bibliography contains **book**s and **article**s. (6 points)

the information necessary for a **book** is:

> its general **title** (ELEMENT) **–** add an optional attribute **subtitle** to the **title** element
> the **author**s' names (ELEMENT)
> its **volume**s (ELEMENT) - make the **volume** element an empty element and add a required attribute **nb_pages** and an optional attribute **id**
> general information on the **issue** (ELEMENT), such as the name of the **publisher**, **place of publication**, **place of printing**, its **ISBN** number (ELEMENTS)

the necessary information for an **article** is:

> its **title** (ELEMENT)
> the **author**s' names (ELEMENT)
> the **journal** (ELEMENT) - add an attribute **name of** for the element **journal** and assign it the default value **Computational Linguistics** - it also has an attribute **year** which is an enumerated list with the values **2010**, **2011**, **2012**, **before_2010** and **unknown**. The default value is **unknown**.
> the **journal** also has information about **page** and **number** (ELEMENTS)

Unless otherwise stated, elements are filled with parsed text. Unless otherwise stated, attributes are filled with character data.

2. Write an XML file complying to the DTD above with the following book and article. (4 points)

book
> title "The Moral Landscape"
> subtitle "How science can determine human values"
> author "Sam Harris"
> volume id "1" volume nb_pages "320"
> publisher "Free Press"
> place_publication "US"
> place_print "US"
> isbn "978-1-4391-7121-9"

article
> title "Value priorities and subjective well-being: direct relations and congruity effects"
> authors "L. Sagiv" and "S. H. Schwartz"
> journal name "European Journal of Social Psychology"
> journal year "2010"
> journal page "177-198"
> journal number "30"

Deadline: October 31ˢᵗ 2012. Hand in a printed version of your DTD and XML files.