Lab 3.2 - XSD - Basic

Thông tin chung

- Sinh viên làm quen với đặc tả XML XSD
- Sinh viên có thể validate XSD và XML tại địa chỉ http://www.utilities-online.info/xsdvalidation/

Bài tập

Exercise 1

Defining an xml document using xsd as its schema for the following table

Member Name	Years of Membership
Chris Smith	4
Judi Zimmerman	5
Michael Calder	3

Table 1. Internet Club

Exercise 2

Representing the following books in XML, and write corresponding XML schema and make them well-formed and valid:

- Antoniou, G., & Van Harmelen, F. (2004). *A semantic web primer*. MIT press.
- Daconta, M. C., Obrst, L. J., & Smith, K. T. (2003). *The Semantic Web: a guide to the future of XML, Web services, and knowledge management*. John Wiley & Sons.

Exercise 3

Creating corresponding well-formed and valid XML Schema for the following XML document

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<!-- file name shiporder.xml -->

<shiporder orderid="889923" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:noNamespaceSchemaLocation="shiporder.xsd">
  <orderperson>John Smith</orderperson>
  <shipto>
    <name>Ola Nordmann</name>
    <address>Langgt 23</address>
    <city>4000 Stavanger</city>
    <country>Norway</country>
  </shipto>
  <item>
    <title>Empire Burlesque</title>
    <note>Special Edition</note>
    <quantity>1</quantity>
    <price>10.90</price>
  </item>
  <item>
    <title>Hide your heart</title>
    <quantity>1</quantity>
    <price>9.90</price>
  </item>
</shiporder>
```

Exercise 4

Write an XML schema and XML document for a library book transaction, it should describe the following information:

- Librarian (Lender) Michael Calder lent book to borrower Craig Gavin on Oct 15, 2007
- The contact information of Michael Calder is: 41 McMahons Rd, Frankston, WI, tel: 9903 4563
- The contact information of Craig Gavin is: 56 Overport Rd, Karingal, WI, tel: 9903 3455
- Michael made a note: lender wants these books back in two weeks!

bookID	title	pubDate	replacementValue	maxDaysOut
123-4567-890	XML	Oct 20, 2001	15.95	14
123-4567-891	Artificial Intelligence	May 30, 2000	30.25	14
123-4567-892	Semantic Web	April 10, 2004	17.99	14
123-4567-893	Agent	June 10, 2005	11.95	14