

Assignment 2: In this assignment, we are practicing the concepts of XML Namespace and also XML Schema. You may need to study the class slides before answering the following questions.

Question 1) Based on the attached XML document:

- 1) If you browse the XML file (datasetB.xml), you will get an error. Explain what caused the error, and fix it.
- 2) Identify the namespace which the "items" element belongs.
- 3) Identify the default namespace. Which elements and attributes belong to default namespace.
- 4) Explain the "W3C Namespaces in XML Recommendation" and check whether these recommendations have been enforced on the following document.

Question 2) Open the attached XML file (stock.xml). You need to do the following steps:

- A. Using the generator, create the XML Schema and save it as stock_Schema-yourname.xsd.
- B. Link the Schema file to the XML file and validate it.
- C. Save the stock.xml as Stock-useDTD-yourname.xml. Create an external DTD (myDTD-yourname.dtd) for the XML file and link it to the XML file.

Question 3) Do some research about XML Schema and answer the following questions:

- What are the differences between three different designs of XSD (*Russian Doll, Salami slice, Venetian Blind*). Which of these three you think is more practical and why.
- What is "XML vocabulary"? Would you consider SOAP Message as XML vocabulary? Explain your answer.
- Look at this link : <https://feedforall.com/sample.xml> . Do some research about RSS and explain the structure of a RSS file. What is the latest version of RSS? Would you consider RSS as an XML document? Would you consider it as XML vocabulary? Why?

Assignment Submission:

1) Answer theory questions in MS-Word file. Take screenshot of the steps in practical questions (like browser output, XML validator, XSD generator, ...) and add them to MS Word file.

2) Add the following declaration to all of your XML files and MS-Word file.

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/******  
* ITC5202 – Assignment 2  
* I declare that this assignment is my own work in accordance with Humber Academic Policy.  
* No part of this assignment has been copied manually or electronically from any other source  
* (including web sites) or distributed to other students.  
*  
* Name: _____ Student ID: _____ Date: _____  
*  
*****/
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3) Submit all XML/XSD/DTD files and also the MS-Word file. (submit them individually, don't zip the them)