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## INFS3202/INFS7202 – Web Information Systems

### Assignment 02

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This is an individual assignment. You have to answer all of the questions. The answers should be concise descriptions of your understanding. Greater marks will be awarded for answers that are simple, short and concrete than for answers that are sketchy and cumbersome. Marks will be lost for giving irrelevant information.

If, by and chance, you think the assumptions are not sufficient to solve the problem, then you can add the assumptions that you think are necessary. State explicitly what assumptions that you have made.

This assignment accounts for 10% of the course assessment. There are totally 3 questions. Answer all questions. **The due date of this assignment is 5<sup>th</sup> June 2009 5:00pm**. No late submission is allowed unless in exceptional circumstance. No electronic submission is allowed. Please submit your assignment to the Assignment Box 41 in the first floor of Building 78.

#### Question 1 (5 marks)

Given the following two records in a DBMS:

ISBN	Title	Author	Publisher	Year
0120884070	Data Mining: Practical Machine Learning Tools and Techniques	Ian H. Witten and Eibe Frank	Morgan Kaufmann	2005
0471462616	Data Mining with SQL Server 2005	ZhaoHui Tang and Jamie MacLennan	Wiley	2005

Try to reformat it using XML. You should include a DTD. (2.5 marks)

Try to reformat it using JSON. (2.5 marks)

#### Question 2 (5 marks)

In the lecture, we have discussed Web 2.0. Web 2.0 promotes sharing. Most people think sharing is good and important. However, can you figure out what are the cons of sharing? Please give two examples to illustrate your idea.

#### Question 3 (5 marks)

What are the differences between E-Commerce and E-Business?

**Question 4 (5 marks)**

Explain why we have to decompose a large message when we have to send it through the Internet.  
Give some simple examples to illustrate your idea.