

## DT228/4 Enterprise Systems & Architecture

### Lab Test 7/3/2017 – XML / XSD / XSL

**This test is worth 15% of your overall grade for this module**

There are two companies, company A and company B. These two companies wish to do business using electronic data transfer. Company B wants company A to send its orders using XML. Each company has its own xml schema defined for transporting order data as follows:

- Company A – *order\_company\_A.xsd*
- Company B – *order\_company\_B.xsd*

Given the xml and xsd files provided as part of this webcourses assignment, write an **xsl** stylesheet that could be used by an XSLT processor to transform the *order\_company\_A.xml* into a new xml file that conforms to (i.e. is valid using) the *order\_company\_B.xsd* schema. Save and name your xsl output document as *order\_company\_B.xml*.

Please submit the following using the webcourses assignment link:

1. *order\_transform\_A\_B.xsl*
2. *order\_company\_B.xml*

#### **Notes:**

- *Right-click on the webcourses xml/xsd files in order to download them to disk.*
- *You may use notepad/notepad++ or similar editor. No specialist XML tools are allowed. You may use notes and example exercises from class/labs for reference. You may also look up examples and syntax online.*
- *You may use the following web application to ensure your XSL is well-formed and to transform **order\_company\_A.xml** into the target XML using your XSL. Remember, because you are generating XML, trying to transform it using a browser is inappropriate – you should either use the notepad++ XML Tools to perform the transformation or use the online utility below.*

[www.utilities-online.info/xslttransformation](http://www.utilities-online.info/xslttransformation)

*Marks will be awarded for well-formed xml/xsl, xsl clarity and structure (e.g. relevant comments, formatting) and knowledge and use of xsd / xsl transformations and XPath expressions.*