

DT228/4 Enterprise Systems & Architecture

Lab Test 6/3/2018 – 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 provides goods to Company A. Company A will send its orders to company B electronically using XML. As part of the business process, Company B will convert the orders xml file received from Company A into an invoices xml file. The following schemas describe these xml documents respectively:

- Company A – *orders.xsd*
- Company B – *invoices.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 orders.xml into a new xml file that conforms to (i.e. is valid using) the invoices.xsd schema.*** Save and name your xsl output document as *invoices.xml*.

Please submit the following using the webcourses assignment link:

1. *order_to_invoice.xsl*
2. *invoices.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 **orders.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

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.