

DT228/4 DT282/4 - Enterprise Systems & Architecture

Lab Test 11/3/2020 – XML / XSD / XSL

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

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

- Company X – *order_company_X.xsd*
- Company Y – *order_company_Y.xsd*

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

Please submit the following using the Brightspace assignment link (the link cannot be used after 3pm):

1. *order_transform_X_Y.xsl*
2. *order_company_Y.xml*

Notes:

- *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_X.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.