Enterprise Systems & Architecture

Lab 4 (Week 5): XML Exercises - More XSD

Note: In notepad++, under the *Plugins* menu, you may see an *XML Tools* option – if not, you should be able to enable it using the *Plugin Manager*. Once working, you can use this to check for *well-formed* XML and also to *validate* an XML file against a schema (XSD file).

If, for whatever reason, you are unable to use the notepad++ XML Tools menu, you can use the following site to run validation of your XML against the schema:

http://www.freeformatter.com/xml-validator-xsd.html

Exercise

- Clothes 'R' Us is a busy clothes retail outlet that purchases substantial quantities of items from their whole sale supplier, The Clothes Wholesaler. Clothes 'R' Us have implemented a sophisticated software package that manages their order processing and payments information. Their new system can import a variety of data in XML format. Clothes 'R' Us have asked their wholesale supplier to invoice them by means of transferring their invoice details using an XML file.
- The Clothes Wholesaler has asked you as a developer to design an XML Schema that describes an XML file format that could be used to provide this data. You have also been asked to provide a sample XML instance file that conforms to the schema.
- You should include, at a minimum, the following data elements:

Invoice Number, Invoice Date, Invoice Total, Issued By, Bill To, Item, Payment Information

 Note, some of the above data elements will require additional data appropriate to an invoice such as names, addresses, prices, totals, bank details etc. Name your files invoice.xsd and invoice.xml.

Your XML should start like this:

```
<?xml version="1.0"?>
<invoice xmlns="http://www.dit.ie"
```

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.dit.ie.com invoice.xsd">

Your **XSD** should start like this: