

# COM506 Professional Web Services Development

## Lab Feedback

Practical

A2

Date

27 Sept 18

### Section

### Issue

#### **General**

Again, be careful when copying and pasting code from the PDF workbooks – especially when inverted comma characters are involved – see comment in the A1 Feedback Sheet

#### **A2.2** (page 7)

When adding elements to the XML structure, remember that you must make corresponding changes to the XSD Schema file.

#### **A2.3.1** (page 9)

When applying the XSD `<xs:totalDigits>` element to data which is type `xs:decimal`, only significant digits are counted. Therefore, the values 12.34, 012.34 and 12.340 are ALL considered to have 4 digits. This obviously has an effect when using `xs:decimal` to validate currency (i.e. price information).

#### **A2.3.1** (page 10)

Multiple value restrictions can be placed in the same `<xs:restriction>` element. There is no need to open a new `<xs:restriction>` for each expression.

#### **General**

The key to developing/debugging XML schema is structure-matching... i.e. making sure that the nested structure of the schema elements matches exactly that of the XML. It can be useful to sketch out a tree diagram for easy comparison.

#### **General**

When validating using Notepad++, the error message “Cannot load XSD Schema” indicates an error in the XSD file. Normally, this will be a naming error (i.e. an element called `<module>` in the XML but referred to as “modules” in the XSD).

You can also run the “*Check XML Syntax Now*” validation on the XSD file – as it is also a valid XML document. This can help locate some structural errors.