

# Enterprise Systems & Architecture

## Lab 3 (Week 3): XML Exercises – Basic XSD

### Exercise

- Download the *order.xml* from the lab folder on Brightspace.
  - Note the attributes on the order element within the *order.xml* file, these reference a namespace and schema location. This allows some parsers to automatically validate an xml document using the schema specified.
- Using *notepad++*, write an XML schema file that defines a schema for *order.xml*. Call your schema file *order.xsd*.
  - Your schema file should start and finish like this:

```
<?xml version="1.0" encoding="UTF-8" ?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

    <xs:element name="order">
        ...
        ...
        ...
    </xs:element>

</xs:schema>
```
- **Note:** Not everything is a string, some values should not be zero, an order must have an id. Also, recall the “*maxOccurs*” attribute – it can be set to “*unbounded*”.
- Use the XML parsing javascript that we looked at in class to validate your XML file against the schema - place it as script inside a HTML file and open it **using Internet Explorer**. Test your schema by putting non numeric values in the price, negative quantities, omitting elements etc.