CSF205 – Data Representation, Markup Languages, and Web Services

Lab 03: XML

Resources to use:
Files required for the labs are provided in a separate directory.

XML Validator: https://www.xmlvalidation.com/

Tasks:
a. Open recipes.xml and analyze the contents. Answer the following:

How many recipe elements are included in the file?
How many ingredient elements are there for the recipe with ID r104?
Which recipes contain composite ingredients?
What is the maximum depth of nested elements in the file?

b. Which of the files doc1.xml, doc2.xml, ..., doc5.xml are not well-formed. For each file that is not well formed, describe all of the problems. You can validate it using the online tools.

Doc1.xml:
Doc2.xml:

Doc3.xml:
Doc4.xml:
Doc5.xml:

c. Consider the document namespaces.xml and answer the following questions:

Which namespaces do the elements foo, bar, and baz belong to?
Which namespaces do the attributes qux, quux, and corge belong to?

d. For the XMLSchema schema given in movies.xsd, write a valid instance document that makes use of each of the declared elements at least once.