**Week 2 Activity 1 Exercise 1**

XML can be validated using 2 ways:

1. DTD (Document Type Declaration)
2. XSD (XML Schema Definition)

In this exercise we will provide focus to DTD

**DTD**

We can either use internal or external DTD declaration, and both will execute the same output.

**Internal DTD Declaration**

When using Internal Declaration we will have one file saved as .xml. Within that .xml file, the DTD is declared inside the XML file itself. Please refer to the attached document (studentgrade.xml) in the folder (internaldtd), with an internal DTD

**External DTD Declaration**

When using External DTD Declaration we will have two files: one with .xml extension and one with .dtd extension. Please refer to the two files (studentgrades.xml and studentgrades.dtd) in the folder (externaldtd) – studentgrades.xml is referencing to an external DTD, and the file studentgrades.dtd contains the DTD

**Free online validate service for XML and DTD**

Use the following link (<https://www.xml-buddy.com/ValidatorBuddy.htm>), called xml buddy, to validate your XML and DTDs. You only need the XML validator tool. As mentioned on Canvas, there are plenty of free validate services for XML and DTDs, so you don’t have to go with mine.