CSIT884 Web Development

Week 7 Exercise – XML-DTD

Please submit the **zip file containing XML files** to the entry named "Week 7 Exercise – XML-DTD" on Moodle before **19:00 Sunday, Week 7**.

Q1. This is the content of an XML file `q1-error.xml`

```xml
<?xml version="1.0" encoding="UTF-8"?>
  <student sn=3719301>
    <firstName>John</firstName>
    <lastName>Smith</lastName>
    <email>jsmith@gmail.com</email>
  </student>

  <student sn=6382520>
    <firstName>Mary</firstName>
    <lastName>Jane</lastName>
    <email>mjane@gmail.com</email>
  </student>
```

The above XML file contains several errors. Your task is to identify these errors and correct them. Save your correct XML code into a new file called `q1-correct.xml`.

Q2. Have a look at the following XML sample code. Your task is to create an XML file called `q2.xml` and write XML code to include 5 staff records.

```xml
<?xml version="1.0" ?>
<dailyUpdate campus="Woolloomooloo" date="24/02/2016">
  <staff operation="update">
    <staffNumber>0154728</staffNumber>
    <firstName>John</firstName>
    <lastName>Smith</lastName>
  </staff>
```

```
  <staff operation="add">
    <staffNumber>5287523</staffNumber>
    <firstName>Mary</firstName>
    <lastName>Jane</lastName>
  </staff>
</dailyUpdate>
```

Q3. Write an XML document called `q3.xml` that represents the following student record:

SMITH, John - student id 1231234			
Subject	Credit Point	Mark	Grade
MATH101	4	85	A
ECON111	5	70	B
CS100	5	80	A
LAW121	6	75	B

Q4. Copy the code from `q3.xml` to `q4.xml`.

In `q4.xml`, write the corresponding internal DTD.