

You are expected to complete the exercise during your lab session, show your instructor your work, and submit it into D2L. If you do not finish, then submit whatever you have by 8:00 PM on the day of your lab for late marking. This will, however, cost you a deduction of 10% of the maximum mark.

Creating an XML document for the BC-Lions games



The objective of this lab is to use XML to model data.

The current CFL (Canadian Football League) schedule is posted at <http://www.bclions.com/schedule>. The following set of BC-Lions games were obtained as at Saturday Sept 16, 2017:

Week	Date	Away	Away Score	Home	Home Score
Preseason	Tue, Jun 6	BC	28	Calgary	23
Preseason	Fri, Jun 16	Saskatchewan	10	BC	42
1	Sat, Jun 24	Edmonton	30	BC	27
2	Fri, Jun 30	BC	28	Toronto	15
3	Thu, Jul 6	BC	23	Montreal	16
4	Sat, Jul 15	BC	41	Hamilton	26
5	Fri, Jul 21	Winnipeg	42	BC	45
6	Fri, Jul 28	BC	26	Edmonton	37
7	Sat, Aug 5	Saskatchewan	15	BC	30
8	Sun, Aug 13	BC	8	Saskatchewan	41
9	Fri, Aug 18	Calgary	21	BC	17
10	Sat, Aug 26	BC	24	Ottawa	31
12	Fri, Sep 8	Montreal	18	BC	41
13	Sat, Sep 16	BC		Calgary	
14	Fri, Sep 22	Hamilton		BC	
16	Sat, Oct 7	Ottawa		BC	
17	Sat, Oct 14	BC		Winnipeg	
18	Sat, Oct 21	Edmonton		BC	
19	Sat, Oct 28	BC		Winnipeg	
20	Sat, Nov 4	Toronto		BC	

Looking at the above table, it is obvious that you will need to capture the following items of data:

- week
- date
- away:team
- away:team-score
- home:team
- home:team-score

You must use *XML namespaces* to distinguish between *away* and *home* teams.

In addition to the above, you will add an additional item of data named *comment* for every game that was played, which will hold free-flow HTML markup. Here's an example of what the *comment* data item may contain:

```
<p><b>Adam Baboulas</b> & <b>Joe Smith</b> were injured during the game.</p>
```

Enter bogus data in your XML document for the comment data field.

You are free to model data in your XML document in any manner you choose. You must, however, conform to the following standards:

- 1) Elements and attribute names represent structure.
- 2) Content and attribute values represent data.
- 3) *home:team* and *away:team* must be element tags. Note that, in this case, *home* & *team* are namespaces.
- 4) Enter data for at least three *past* and at least three *future* events.
- 5) All past games should contain *comment* data.
- 6) Your XML document must have the *.xml* file extension

Once you have completed the markup portions of your XML document, you must ensure that it is well formed and properly indented.

Show your work to the lab instructor who will give you a mark on the spot.

Rename the XML file to ***LastName_FirstName_set_week03.xml*** (Example: *Doe_Jane_1B_week03.xml*) and submit it to the *Week 03 D2L* dropbox.

COMP1536 XML lab exercise marking guide:

Name _____ Set _____		
Task	Max Mark	Actual Mark
XML Model	4	
Data	2	
Comment data item	2	
Indentation	2	
TOTAL:	10	