

COM506 Professional Web Services Development

Lab Feedback

Practical

A4

Date

04 Oct 18

Section

Issue

General

Remember that all PHP files must be run from the PHP server

A4.1 (page 4)

When adding a new item to *books.xml*, remember that you have to add it to the version on the server – or copy the XML file back to the server after you have added the new element.

A4.1 (page 5)

When developing *searchSenate.php*, remember that there is a subtle difference between the structure of the *books* and *senators* XML files. In the *books* file, the root of the **<book>** elements is found by obtaining child 1 (i.e. the 2nd child) of the document root. However, in *senators.xml*, the root of the document is also the root of the collection of **<member>** elements. You will need to make the corresponding changes in the PHP code.

A4.2 (page 7)

When developing *updateSenator.php*, remember that the **bioGuide_id** value that uniquely identifies a Senator is a child element of the **<member>** and is obtained using the **nodeValue** method. In contrast, the **id** value of a **<book>** object is an attribute and is obtained using the **getAttribute()** method. You will need to make the corresponding code adjustments. A fully worked example for *updateSenator.php* is provided.

A4.3 (page 9)

The code to add a new element is almost exactly the same as that to edit an element – except that once created the new element is added to the XML by the **insertBefore()** method – rather than used to replace another using the **replaceChild()** method.

A4.3 (page 9)

To complete the *addBook.php* application, you need to edit the **<nextID>** element using the “update” technique.

General

Remember that a bug in the edit, delete or add applications may have the effect of “damaging” your copy of the XML file on the server (e.g. by introducing an invalid element format). You should copy a “clean” version of the XML back to the server after each failed attempt.