

Lab XML2

Due: 11:59 pm, Tuesday, November 21 2017. Submit through Canvas.

Instructions:

- **No late submission** will be accepted.
- Your web site **MUST** run without error in all major browsers.
- Use XML2 + Your Last Name + First Letter of Your First Name as your file name. Note that no space or special character other than underscore should be used in the name. For instance, for me, the name of my html file should be **XML2DingW.html**. This lab should contain a website with its own directory, in which there are at least two files. Hence the submission should be a zip with similar naming format, i.e. **XML2DingW.zip**. **Violation of naming requirement will result in 3 points cut.**
- In the HTML comment tags, at the very beginning of the HTML, you should put your full name, the course number and name (COP 3834C-01 Web Application Development), the name of lab, e.g. XML2, and the date. **Without this, 5 point will be cut.**

Subject

Using WebMatrix or equivalent IDE, create a website made of one HTML file with name such as "index.html" and one XML file named "books.xml" file. The books.xml file can be found at

https://www.w3schools.com/xml/dom_nodes.asp

We assume that at first the HTML file is read by a browser. After loading this HTML file, its embedded JavaScript code should do following.

- 1) Retrieve "books.xml" file from the Web server and create corresponding XML DOM at the client browser.
- 2) Add a barcode element to every book in the XML DOM, in other words, in the bookstore. For simplicity, we assume that the first book's barcode is 000000001001. The next book just use the next positive integer as its barcode. That is, the next book's barcode is just increment of the current book.
- 3) Then change the year element of every book by subtracting 10 from its current value.

Before and after changing above specified change, the HTML page should print out every elements' value (i.e. content/text) for every book on its own page, with clear prompt.