

## Lab XML1

**Due: 11:59 pm, Tuesday, November 14, 2017. Submit through Canvas.**

### Instructions:

- **No late submission** will be accepted.
- Your web page **MUST** run without error.
- Compress all files into a .zip file and upload it to Lab XML1 in the Canvas. For this lab, you can zip entire directory for your website XML1.
- Use XML1 + 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 file should be **XML1DingW.zip**. **Violation of naming requirement will result in 3 points cut.**
- Do NOT include the word "Lab" in any file's name.
- 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. XML1, and the date and time of last successful debugging. **Without this, 5 point will be cut.**

### Subject

Create your own XML file, with xml extension. There is no content restriction on XML file content, as long as it meets the syntax requirements of XML. At least three different tags at minimum and three layers from the root node should be created in this XML file's DOM tree.

Then create a website named "XML1" with two files: index.html and the above mentioned XML file using Microsoft WebMatrix or Visual Studio Code. The index.html should utilize typical AJAX programming procedure to

- (1) Establish HTTP connection to the XML1 website.
- (2) Retrieve the XML file from XML1 website.
- (3) Display all text of the XML file, but not any markup (i.e. tag).
- (4) Debug and test your site till every above function works and no error occurs.

Use sample code at [http://www.w3schools.com/xml/tryit.asp?filename=try\\_dom\\_xmlhttprequest](http://www.w3schools.com/xml/tryit.asp?filename=try_dom_xmlhttprequest) as your reference. Through this lab you will become familiar with the typical AJAX programming approaches to access, display, and manipulate XML files on a web server.