

158.258 - Practicals Session

- Session 10 -

XML & DTD Debugging

2018

Data Files needed for this Case Problem:

Recipe.txt, Weekendfun.css, Weekendfuntxt.xml

Problem Scenario

Weekend Fun Snacks:

Cleo Coal is creating a Web site called Weekend Fun Snacks. The site will list her picks of the best and easiest recipes for kids to cook on the weekend (or anytime). Cleo has been entering recipe information into an XML document. However, she has run into some problems and has come to you for help. Cleo would like your help with cleaning up her XML document so it displays in a browser with her style sheet. Once you've corrected the XML document, she also would like you to add a new recipe to the document. Figure 1 displays a preview of the document's contents when all corrections are made and the new recipe is added.

[Figure 1](#)

Tasks To be Done:

- Using an XML Editor (like the XML Copy Editor) or NotePad++ text editor, open the weekendfuntxt.xml file located in your Data Files archive.
- Save the document as weekendfun.xml, and then note the initial error reported. If you don't have access to an XML editor, use an online XML code checker, such as <http://validator.w3.org>, to identify the first error in the code.
- Using the information provided by the editor, locate and correct the first error
- Save the modifications to weekendFun.xml
- If the browser reports another error, repeat Steps 3 and 4 until all errors are corrected. The following are some errors to look for:
 - misspelled element names
 - missing quotes
 - misplaced closing tags
 - missing closing tags
 - invalid namespace
- Save the modifications to weekendFun.xml
- Open the document in your browser.
- Verify that the style sheet has been applied. If not, edit and reload the document in the Web browser.

- Modify the prolog at the top of the document to indicate that the document uses the UTF-8 encoding scheme, and that it is a standalone document.
- Copy and paste the content from the recipe.txt document into the weekendFun.xml document as a new recipe. Using the existing recipe vocabulary as your guide, modify the newly added recipe data to use the vocabulary for the data.
- Save the modifications to weekendFun.xml.
- Reload the document in the browser.
- Verify that all of the information for the new recipe is included as shown in Figure 1.
- Draw the tree structure for the contents of the weekendFun.xml document. Each document can have many recipes, an optional description, at least one ingredient, an optional measurement, and at least one direction. Each other element occurs one time.

Internal and an External DTD declaration

Add DTD declared

- Add Internal DTD Declaration
- Move the DTD Declaration to an External file

Test your XML file by adding additional element, attribute, and different values

External CSS

Notes:

Zip up your project, containing your four files, and submit via Stream.

. Edited 2018: Nazi Tabatabaei-Yazdi