**CS 20 Web Programming  
Assignment 6:   
Product List in XML and JSON**

## Objectives: Practice with XML and CSS

## Task1: XML

## Create a file called products.xml. products.xml is an XML document that represents a set of products. Each product should have the following:

## Name

## Description

## Price

## Category

## *Products need to be able to have more than one category*. Each category needs to be listed in its own tag. Ie, putting categories together in a string is not allowed for this assignment. Example product:

## Name: Vintage T-shirt Description: Tie-die Grateful Dead T-shirt Price: $35 Categories: clothing, vintage

## Create a tag called <product> which will contain all data. Think about the best organization for the rest of the data.

## Your file must include at least 8 products. There must be at least 3 categories across all products. At least 2 products should be in more than one category.

* Your XML file must be well-formed *and* valid. You do not need a schema.
* There should NO HTML code in your XML file – for ex, no heading tags.

## Create a CSS file (products.css) for an aesthetic display of the data (see the example files in canvas for inspiration)

## View all files online (you will need to use your cPanel hosting)

## Task 2: JSON

**Create a file called products\_json.html**

In a script, place a JSON to represent the same list of products from Task 1. The JSON should be assigned to a global variable. (Note: all requirements for the XML data also apply to the JSON data)

Convert the JSON to a string and display the string.

## Rubric

products.xml file works online and displayed properly using CSS – 50 points

products1.html works online - 30 points

All deliverables provided – 10 points

Creativity/effort – 10 points

**Deliverable Worksheet:**

* All code files uploaded to canvas (xml/html/css) – you may use a zip file
* URL of products.xml online \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* URL for products\_json.html \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Answers to questions
  1. Discuss a case study for using a technology such as XML or JSON.
  2. Which do you prefer: XML or JSON? And why?