For Project 4, I would like to use the data I collected for Project 2 and create a website about breweries in Dallas-Fort Worth; a website will allow me to make the information more robust and useful.

Rationale for Choosing this Project

After I completed Project 2, I realized that I had collected interesting data, but the data was not compiled in a way that would help the user connect the data points to create knowledge. To solve this problem, I will change the hierarchy in the XML file, reorganize the information to build more obvious relationships, and display the information in a website.

This project will allow me to expand my knowledge of HTML, XML, XSLT, and CSS and how all of these technologies connect to one another. Further, it will give me practice on organizing data, connecting data to create information and displaying in useful ways that will increase knowledge.

Plan for the Website

The website will include a home page, pages for each of the breweries in DFW, a page about craft beer festivals in DFW, and the table from Project 2.

The home page will include general information about the brewing climate in DFW. It will also overview the information on the website. There will be tabs for each of the breweries, and these tabs will lead to pages about the each respective brewery.

The brewery pages will detail information about the brewery and each of the beers that brewery produces. I envision this as including an introduction that details the brewery’s starting date and a brief history. A table will include the information about each beer that the brewery produces. I would like to include the art from brewery logos and beer labels where appropriate and a link to the brewery’s website.

Additionally, DFW hosts several craft beer festivals each year, so I would like to include a tab about craft beer festivals in the area. Brief explanations of each festival and a map of the locations of the festivals will add value to this page. Links for each of the festival websites will also be added.

I will also include the table from project 1 in the final project, but I plan to make it to be sortable, and hopefully filterable. Including the original table will give users the opportunity to see all of the information in one location to compare different breweries, beers, and other data points.

Potential Problems and Certain Benefits

Because I am new to creating websites, I anticipate difficulty with implementing the design of the website and making the information connect to one another as needed. Additionally, the scope of the project seems large to me. However, many of the components are basically duplicates of one another; once I figure out how to create the first brewery page, I can replicate the code for each of the subsequent brewery pages.

Potential problems aside, I will benefit significantly from increasing my literacy of HTML, XML, XSLT, and other technologies, and the website will greatly improve the value of my portfolio.