I will be working for Mercent Corporation in Seattle, Washington from May2014 to August 2014 as a Full-time Software Development Intern for the Mercent Integration Team. I would like to enroll in Summer 2 2014 CS 4120 Professional Field Experience. My job is to complete the tickets assigned to me. Currently, my project is to extend the Tooltip system used on the Mercent Retail website. I am using Javascript, Html, and ASP.NET for the web pages and using C#, Linq, and T-SQL. The goal of this project is to allow real-time editing of tooltips by anyone in the Mercent organization without requiring a software developer to update code.  This feature would result in a cost savings for the Mercent corporation and empower the customer documentation team to update the tooltip as they see fit.

After the tooltip project has been completed, I will be moving on to Mercent’s data import and transformation services. This will utilize XML, C#, XSLT, and XSD files to store and manage different types of data feeds used in online retail as. My job will be to intercept the incoming feeds and break them into more manageable chunks for import into the Mercent Retail platform.  Feeds can contain millions of items, and the stress on loading large data sets can result in failed feeds. The goal is to increase the scalability of the Mercent Retail system by allowing any size of feed to be loaded.  This feature would allow Mercent to onboard merchants with large catalogs without requiring customer software to be developed.