**Assignment 2**

**Maintainability**: To begin, understanding the sax handler code was a bit difficult, as there wasn’t any documentation regarding how it worked. We needed to do some more research online to understand what exactly it does, and how it works. the other challenging portion, there was a lack of direction on how the web app actually interacts with the sax handler and the other classes. this made it particularly difficult without prior knowledge of how web apps work, which none of us had up until this assignment. The classes lack comments on what their role was in the applications but we managed to figure them out. What we would do differently was to add in what each class does and how does each of them connects to one another to create a complete application. Also, a readme.md would be a great resource on how to run the quote server

One of the good things of the code was that it follows the basics of writing a sax handler and the parser, based on what we found online from other examples. There wasn’t too much variation from what’s out there in terms of online resources. The naming convention of the methods made it easy to understand what the function actually does.

**Documentation Log**: One of the smaller things that we changed in the QuotesList.java file was the way the random quotes functioned, we changed it from using a fixed seed value that would give the same random quote upon startup and gave it a truly “random” seed based on the clock time on the machine using our own written method getNewRandom(). The flow of QuoteList now would access a new random seed, before getting the random quote, as oppose to before where it just relies on a static seed. The main function of our program follows the typical CLI for generating quotes with a menu that is presented to the user allow them to select from a number of options. These include, getting a random quote, searching by text in that quote, author, or both author and quote. This is presented in a nice easy to read fashion and properly formatted. Once the selection is made we pass our list which has been loaded with the quotes from the QuoteSaxParser and we search for that quote within that list and store it in a temp variable and print that quote using our provided method.