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Before receiving this assignment, I had no idea that SCMs existed. I had heard the name GitHub a few times but didn’t truly understand what it was. I wish that I had, however, because using any form of SCM, most specifically GitHub, would’ve benefitted me greatly through the grades that I received on my previous code-based assignments. By using GitHub, I would have been able to continue to work on something new in my code, but if I ever had a big problem, which I did many times, I could have always referred to my previous version of code. That is probably how GitHub would’ve benefitted me most.

Many times, especially when I began my first experience of serious coding last year in Computer Science 1, I would not write my pseudocode out before I started my real code. Because of this, I worked in a very unorganized manner, and many times would get lost in my own code. Having the ability to look back on the original code that I started with would’ve relieved majority of the stress I was feeling from my many syntax errors.

One of the other huge factors SCMs offer that would’ve benefitted be greatly would be the collaboration aspect that it offers. SCMs allow you to collaborate with your team or isolate your code and make changes without hampering the changes made by your teammates until the code is ready. Many times, I found that my code never had huge problems, but something small that I was missing. Being able to make my code available for others to view and see what changes they recommend that I should make would’ve made my life a whole lot easier last year. The process of troubleshooting especially, would’ve been easier because when you are collaborating on a code, you can see who made the changes and what those changes are, so I can even contact the person who made the changes if I have any additional questions.