

CPE 212 CPE31S2	11/14/25
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Reflection and Learnings

Reflecting on this course as a whole, I have been able to learn quite a bit about system administration, more specifically about automating server management and things such as DevOps. Initially I had no idea about the specific terminologies used in the topics, such as Ansible, playbooks, Docker, and containerization. Throughout the course of this school semester, however, I have been able to familiarize myself with them quite a bit, learning the ins and outs of their operations and setups. For the final project, I was able to experience working with others on an automation project this time, in contrast to the previous project which was focused on creating a bash script. Because of this, I am now experienced with automation and deploying projects such as websites onto remote servers, giving me more skills which are important in becoming a system administrator.

Additionally, reflecting on the extracurricular activity which I was able to participate in, the Capture the Flag event for Hexcore Philippines, I had a blast with that experience. Even though the results were not what me and my team wanted out of the event, we left learning quite a bit about cybersecurity and ethical hacking through the help of their learning platform and Kali Linux. Because of this experience, I want to be able to experience this once more in the next semester, as I know that my time will be eaten up by the project design and on-the-job training by my fourth year. Even if the result would be the same, I would still go to another event, though I would try to sink more time into it the second time around.

Overall, I have been able to learn a lot and experience a lot throughout the time spent in this course, which I am thankful for. I am also looking forward to the next course of the system administration elective, because I am interested in what the main topic of it will be this time, as we are now familiar with the Linux environment and how to automate operations on remote servers and hosts.