

Escosia, Jerico James

CPE212-CPE31S21

### Reflection

Taking the CPE 212 course has been an insightful journey, equipping us with the skills needed to manage enterprise servers effectively. We explored various services essential for managing an enterprise and learned how to automate tasks necessary for maintaining an entire network. The midterm emphasized how automation is crucial for efficiently managing systems. Through practical tasks like tracking availability, monitoring performance, and managing logs, we gained valuable hands-on experience in what it takes to manage modern IT environments.

As the course progressed, the introduction to Docker and containerized environments brought all the concepts together. Learning to deploy applications on scalable and efficient cloud platforms demonstrated the benefits of containerization in streamlining operations. Hands-on experience with tools like Git, Ansible, and Docker enhanced our technical skills while deepening our understanding of system development and automation. Each tool played a vital role: Git for version control, Ansible for automating configurations, and Docker for creating portable, cross-platform environments.

In summary, this course has been instrumental in introducing us to the role of a system administrator in the industry. It not only provided us with technical skills but also highlighted the importance of staying adaptable and continuously learning to improve. The knowledge and experience we've gained have boosted our confidence to tackle complex challenges and meet the ever-evolving demands of enterprise environments.