**NSSA-220 Mini Project 1: Application Performance Monitoring**

**Jeremy Peters, Randall Weber, Julian M Mato-Hernandez**

**Introduction**

Write a 3-4 sentence introduction that describes what this project was about. Use the project slides as your guide. I want to see you describe the project in your own words.

**Process Level Metrics**

<Insert CPU Utilization plot here>

Describe what the CPU utilization plot shows in 2-3 sentences.

<Insert Memory Utilization plot here>

Describe what the memory utilization plot shows in 2-3 sentences.

**Potential things to write about**: Which processes used the most CPU/memory? Which processes used the least CPU/memory? Did any processes have any interesting patterns in their CPU and/or memory utilization? Could you see a memory leak (memory use that only increased over time) in any of the processes?

**System Level Metrics**

<Insert Network Bandwidth Utilization plot here>

Describe what the network bandwidth utilization plot shows in 2-3 sentences.

<Insert Hard Disk Access Rates plot here>

Describe what the hard disk access rates plot shows in 1-2 sentences.

<Insert Hard Disk Utilization plot here>

Describe what the hard disk utilization plot shows in 1-2 sentences.

**Potential things to write about**: How similar (or not) were the transmit and receive data rates? Could you see any patterns in how the data rates changed over time? Were there any interesting patterns in the hard disk access rates or hard disk utilization?

**Summary and Lessons Learned**

Write 3-4 sentences that describes whether or not the VM you used had enough computing resources (CPU, memory, network capacity, and disk) to handle the mix of application processes that were running and what lessons you learned while working as a team on this project.