

## **ECE 448/528 – Application Software Design**

### **HOMEWORK #1**

***Due date: Thursday, March 9th 2023, 23:59 PM***

***(40 points)***

You have more than a month for this homework assignment, so no rush, but spend time to research the software flaw found in the recent worldwide incident of Apache log4j Security Vulnerability in 2021.

Write an essay no less than 500 words to summarize your findings, including but not limited to the following contents:

- What went wrong?
- What were the factors contributing to the software flaw?
- Describe how you would apply software engineering practices to reduce the risks when building such a system.