

Secure Coding (CNT 4419)
Assignment IV

Objective: To improve understanding of the most significant software vulnerabilities.

Due Date: Sunday, May 4, 2025, at 11:59pm. No late submissions will be accepted.

Assignment Description

Complete this assignment by yourself.

For this assignment you will study Mitre's 2024 CWE Top 25 Most Dangerous Software Weaknesses (https://cwe.mitre.org/top25/archive/2024/2024_cwe_top25.html) and the OWASP Top 10 – 2021 (<https://owasp.org/Top10/>).

Read through these pages and rankings. Click on the links explaining each vulnerability and read the descriptions, including the overviews and examples of the vulnerabilities, as well as potential mitigations.

Write a 5-9 paragraph essay in which you explain, in your own words, what you learned or got out of this reading. If you learned nothing from the reading, explain why. Submit your essay in a PDF or text file (with file extension pdf or txt) to Canvas. As always, essays will be graded based on factors described in the syllabus. Write in complete sentences and avoid using bullet points and enumerated lists.