# CS 305 Module Two Coding Assignment Template

## Instructions

Replace the bracketed text with the relevant information in your own words. If you choose to include images or supporting materials, make certain to insert them in all the relevant locations in the document.

## Run Dependency Check

A screenshot of a computer

Description automatically generated

## Document Results

The Dependency Check revealed several vulnerabilities within the project's dependencies. These vulnerabilities are categorized by their respective packages, severity levels, CVE counts, confidence levels, and evidence counts. It is imperative to address these vulnerabilities promptly to enhance the overall security of the project.

## Analyze Results

The identified vulnerabilities require careful consideration and action:

* **Vulnerable Dependencies:** The project relies on several libraries with known vulnerabilities.
* **Severity Levels:** The severity of these vulnerabilities varies from LOW to CRITICAL.
* **CVE Counts:** Some dependencies have multiple CVEs associated with them, indicating potential security risks.
* **Confidence Levels:** The confidence levels are marked as "Highest," indicating a high degree of certainty in the reported vulnerabilities.
* **Evidence Counts:** The evidence counts show the number of instances where these vulnerabilities have been detected.

To address these vulnerabilities:

* **Update Dependencies:** Consider updating the affected dependencies to versions that include security patches.
* **Implement Security Measures:** Implement additional security measures such as input validation, proper data handling, and code reviews.
* **Testing and Validation:** Conduct thorough testing and validation to ensure that the project remains secure after implementing changes.

It is crucial to prioritize and address these vulnerabilities to mitigate potential security risks and maintain the project's integrity.