# 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 program

Description automatically generated

The above image is a cropped screenshot of the Dependency-Check Report.

## Document ResultsA screenshot of a computer Description automatically generated

This screenshot displays the 13 vulnerable dependencies. I tried to include with a hyperlink, but considering the file was local, it did not carry. I made the picture large so you can save it to your desktop and view the results without being blurry.

## Analyze Results

The results indicate that many of the vulnerabilities are due to being outdated, while others are due to risk of denial of service, injections, and malicious inputs. While creating a application with zero risks or vulnerabilities is virtually impossible, staying up to date and running these tests regularly will help to keep the risk to a minimum.

The vulnerabilities can be listed by highest severity and which has known exploited vulnerability, indicating which vulnerabilities should take priority. The levels of vulnerability are listed as Critical\*, Critical, High, Medium, and low. The asterus indicated when the dependency has a known exploited vulnerability. The tomcat embedded websocket, tomcat embedded core, spring webmvc, and spring web dependencies are labeled as Critical\*. The spring boot starter web, spring boot, and snakeyaml are labeled as Critical. These dependencies should take priority.