# CS 305 Module Two Written 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.

## Areas of Security

Code Quality, APIs, and input Validation

## Areas of Security Justification

These three areas are in my opinion the biggest threats of being exploited when it comes to any web application. Making sure our APIs are secure is another good thing to worry about as if we do not make sure our API does not have any exploits that means then other people cannot use exploits to enrich themselves on the company dime which has been seen multiple times from people trying to exploit DoorDash for free food. Code Quality is a necessity as unclear code can lead to errors making the product run slow and or run not how was intended by how it was designed to work. Input validation is important as if we had no way to validate any of the inputs the project is basically a theoretical paper weight not able to do anything

## Code Review Summary

Pom.xml is using an out of date java and spring-data-rest webmvc which is not good as the more up to date versions will probably have more security features and better optimizations.

## Mitigation Plan

We shall update the pom.xml making it use the latest versions of java and spring getting it up to date making sure that any exploits from using the older versions will be gone as we use the latest versions.