Graded Assignment: Homework 3

University of Maryland Global Campus

SDEV 325 – Detecting Software Vulnerabilities

# Executive Summary

[Introductory paragraph of the homework topic, example “demonstrating insecure interaction between components” and the two unique vulnerabilities selected (to include the CWE/SANS Top 25 ID and name).

Include a closing sentence on the success or failure of fixing your vulnerable example, if you failed to properly correct it, describe the mitigation needed for partial credit]

# Example 1 – [vulnerability id and name]

## Overview

[A paragraph describing your example, what the application does, what language the application is written in, and you may include a screenshot of the application’s startup screen]

## Analysis of the Vulnerability

[At least one paragraph describing the vulnerability in your example, to include code snippets of the vulnerable code and screenshots demonstrating the vulnerability in the application/program]

## Mitigation

[At least one paragraph describing the mitigation in your example, to include code snippets of the corrected code and screenshots demonstrating the application working correctly]

# Example 2 – [vulnerability id and name]

## Overview

[A paragraph describing your example, what the application does, what language the application is written in, and you may include a screenshot of the application’s startup screen]

## Analysis of the Vulnerability

[At least one paragraph describing the vulnerability in your example, to include code snippets of the vulnerable code and screenshots demonstrating the vulnerability in the application/program]

## Mitigation

[At least one paragraph describing the mitigation in your example, to include code snippets of the corrected code and screenshots demonstrating the application working correctly]

# References