# CS 305 Project One Template

## Document Revision History

| **Version** | **Date** | **Author** | **Comments** |
| --- | --- | --- | --- |
| **1.0** | **[Date]** | **[Your name]** |  |

## Client



## Instructions

Submit this completed vulnerability assessment report. Replace the bracketed text with the relevant information. In this report, identify your security vulnerability findings and recommend the next steps to remedy the issues you have found.

* Respond to the five steps outlined below and include your findings.
* Respond using your own words. You may also include images or supporting materials. If you include them, make certain to insert them in the relevant locations in the document.
* Refer to the Project One Guidelines and Rubric for more detailed instructions about each section of the template.

## Developer

[Insert your name here.]

**1. Interpreting Client Needs**

Determine your client’s needs and potential threats and attacks associated with the company’s application and software security requirements. Consider the following questions regarding how companies protect against external threats based on the scenario information:

* What is the value of secure communications to the company?
* Are there any international transactions that the company produces?
* Are there governmental restrictions on secure communications to consider?
* What external threats might be present now and in the immediate future?
* What modernization requirements must be considered, such as the role of open-source libraries and evolving web application technologies?

[Include your findings here.]

**2. Areas of Security**

Refer to the vulnerability assessment process flow diagram. Identify which areas of security apply to Artemis Financial’s software application. Justify your reasoning for why each area is relevant to the software application.

[Include your findings here.]

**3. Manual Review**

Continue working through the vulnerability assessment process flow diagram. Identify all vulnerabilities in the code base by manually inspecting the code.

[Include your 7–10 findings here.]

**4. Static Testing**

Run a dependency check on Artemis Financial’s software application to identify all security vulnerabilities in the code. Record the output from the dependency-check report. Include the following items:

* The names or vulnerability codes of the known vulnerabilities
* A brief description and recommended solutions provided by the dependency-check report
* Any attribution that documents how this vulnerability has been identified or documented previously

[Include your findings here.]

**5. Mitigation Plan**

Interpret the results from the manual review and static testing report. Then identify the steps to mitigate the identified security vulnerabilities for Artemis Financial’s software application.

[Include your findings here.]