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# Practices for Secure Software Report

Table of Contents

[Document Revision History 3](#_Toc102040754)

[Client 3](#_Toc102040755)

[Instructions 3](#_Toc102040756)

[Developer 4](#_Toc102040757)

[1. Algorithm Cipher 4](#_Toc102040758)

[2. Certificate Generation 4](#_Toc102040759)

[3. Deploy Cipher 4](#_Toc102040760)

[4. Secure Communications 4](#_Toc102040761)

[5. Secondary Testing 4](#_Toc102040762)

[6. Functional Testing 4](#_Toc102040763)

[7. Summary 4](#_Toc102040764)

[8. Industry Standard Best Practices 4](#_Toc102040765)

## Document Revision History

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

## Client



## Instructions

Submit this completed practices for secure software report. Replace the bracketed text with the relevant information. You must document your process for writing secure communications and refactoring code that complies with software security testing protocols.

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

## Scenario

You work as a developer for a software engineering company called Global Rain. Global Rain specializes in custom software design and development. The software is for entrepreneurs, businesses, and government agencies around the world. Part of the company’s mission is “Security is everyone’s responsibility.” Global Rain has promoted you to its new agile scrum team.

At Global Rain, you work with a client, Artemis Financial. Artemis Financial is a consulting company that develops individualized financial plans for its customers. The financial plans include savings, retirement, investments, and insurance.

Artemis Financial wants to modernize its operations. As a crucial part of the success of its custom software, the company also wants to use the most current and effective software security. Artemis Financial has a public web interface. The company is seeking Global Rain’s expertise on how to protect its client data and financial information.

Specifically, Artemis Financial wants to add a file verification step to its web application to ensure secure communications. When the web application is used to transfer data, the company will need a data verification step in the form of a checksum. You must take Artemis Financial’s existing software application and add secure communication mechanisms to meet the company’s software security requirements. You’ll deliver a production- quality integrated application that includes secure coding protocols.

## Developer

[Insert your name here.]

## Algorithm Cipher

[Insert text.]

## Certificate Generation

Insert a screenshot below of the CER file.

[Insert screenshots here.]

## Deploy Cipher

Insert a screenshot below of the checksum verification.

[Insert screenshots here.]

## Secure Communications

Insert a screenshot below of the web browser that shows a secure webpage.

[Insert screenshots here.]

## Secondary Testing

Insert screenshots below of the refactored code executed without errors and the dependency-check report.

[Insert screenshots here.]

## Functional Testing

Insert a screenshot below of the refactored code executed without errors.

[Insert screenshots here.]

## Summary

[Insert text.]

## Industry Standard Best Practices

[Insert text.]