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# Practices for Secure Software Report

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## Document Revision History

| **Version** | **Date** | **Author** | **Comments** |
| --- | --- | --- | --- |
| **1.0** | **[Date]** | **[Domonique Muldrow]** |  |

## 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.

## Developer

[Domonique Muldrow]

## Algorithm Cipher

[A high level of the encryption algorithm cipher would be AES advanced encryption standard since it’s a symmetric key cipher that is secure in good for a small company like Artemis Finacle. The hash functions and bit levels of the cipher the AEs has a block cipher that encrypts the 128 -bit key it also generate passwords randomly. Which will help the use of random numbers, symmetric versus and non-symmetric keys and so on to make sure that security is hard to crack and understand by any hackers. The SHA – 2 is the current which belongs to the 256 and 512 SHA. ]

## Certificate Generation

Insert a screenshot below of the CER file.

[A screenshot of a computer

Description automatically generated]

## Deploy Cipher

Insert a screenshot below of the checksum verification.

[]

## 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.

[A close-up of a computer screen

Description automatically generated]

## Functional Testing

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

[A screenshot of a computer

Description automatically generated

## Summary

[In all the Artemis financial needs to support the finance of its clients to be secure and run the dependency check to see if any dependencies and vulnerabilities. ]

## Industry Standard Best Practices

[Is testing and security such as 256 bit string. Industry standard best practices to maintain the software application’s current security. The value of applying industry standard best practices for secure coding to the company’s overall wellbeing.