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# Practices for Secure Software Report

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## Document Revision History

| **Version** | **Date** | **Author** | **Comments** |
| --- | --- | --- | --- |
| **1.0** | **February 26, 2023** | **Brandi Noell** |  |

## 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

Brandi Noell

## Algorithm Cipher

I used a SHA-256 encryption. The SHA-256 is very good for hash algorithms and is very difficult to hack.

## Certificate Generation

Insert a screenshot below of the CER file.

Text

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

## 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.

Graphical user interface, text, application, email

Description automatically generated

## Functional Testing

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

[Insert screenshots here.]

## Summary

This was not easy to get running, and I know most of it is not complete. But I did enjoy learning more of this project. I think the SHA-256 algorithm is a very easy but tuff encryption to use.

## Industry Standard Best Practices

[Insert text.]