# CS 305 Module Five Coding Assignment Checksum Verification Template

## Instructions

Using the instructions from theModule Five Coding Assignment Checksum Verification Guidelines and Rubric, replace the bracketed text with the relevant information in your own words.

## Algorithm Cipher

The algorithm cipher that I would recommend using is Secure Hash Algorithm (SHA)-256. This is a modern and widely adopted cryptographic hash that is considered collision-resistant.

## Justification

Secure Hash Algorithm SHA-256 would be ideal to use for Artemis Financial because it is a robust and secure algorithm that has shown to be resistant to collisions. This is a widely used algorithm cipher which indicates that it is not only secure but also extremely well tested. SHA-256 is widely implemented and supported across many different platforms. This is also more secure than older hash functions such as SHA-1 and MD5.

## Generate Checksum

You’ll submit your refactored code to your instructor. Your instructor will review it and this document.

## Verification

Insert a screenshot below of the web browser with your unique information.

