ARTIFICIAL INTELLIGENCE USAGE DISCLOSURE FORM COP 3402 -

System Software
University of Central Florida

STUDENT INFORMATION

Student Name:	Jacob Smith
Student ID:	5590809
Assignment:	HW4
Due Date:	11/21/25
Submission Date:	11/21/25

IMPORTANT POLICY STATEMENT

This form must be completed and signed for every assignment submission. Failure to complete this form accurately may result in academic penalties. Any undisclosed use of AI tools will be considered plagiarism and will result in a zero grade for the entire assignment.

AI USAGE DECLARATION

Please select ONE of the following options by checking the appropriate box:

□ NO AI USAGE: I certify that I have NOT used any artificial intelligence tools, software, or services in the completion of this assignment. All work submitted is entirely my own original work.

□ AI USAGE DISCLOSED: I certify that I HAVE used artificial intelligence tools, software, or services in the completion of this assignment. I have provided complete and accurate disclosure of all AI usage in the accompanying markdown file.

CERTIFICATION AND SIGNATURE

I certify that the information provided above is complete, accurate, and truthful. I understand that:

• Any undisclosed use of AI tools constitutes academic dishonesty and plagiarism • Providing

false information on this form is a violation of the academic integrity policy • This assignment will

be evaluated according to the AI usage policy outlined in the course syllabus • Failure to

properly disclose AI usage will result in a zero grade for the entire assignment

Student Signature:	Jacob Smith	Date:	11/21/25

AI USAGE DISCLOSURE EXAMPLES

Use these examples as a guide for the level of detail required in your markdown disclosure file.

FIELD DESCRIPTIONS AND EXAMPLES

Tool Name	Examples: ChatGPT, Claude, GitHub Copilot, Gemini, Perplexity, Bing Chat
Version/Model	Examples: GPT-4, GPT-4 Turbo, GPT-5, Claude Sonnet 3.5, Claude 4, GitHub Copilot (GPT-4)
Date(s) Used	Examples: January 15, 2025; January 18, 2025; January 20, 2025
Specific Parts	Examples: Code debugging for functions calculateHash() and validateInput(); Literature review for Section 2.3; Writing assistance for conclusion paragraph
Prompts Used	Examples: "Help me debug this Python function that calculates SHA 256 hashes"; "Explain the difference between symmetric and asymmetric encryption"
AI Output	Examples: AI provided corrected code with explanations of the logic errors; AI generated a comparison table of encryption methods
Verification	Examples: Tested the corrected code with sample inputs; Verified encryption explanations against textbook; Implemented suggested security measures
Multiple Uses	Examples: First asked for algorithm explanation, then requested code example, finally asked for optimization suggestions
Reflection	Examples: I learned about proper error handling techniques and improved my debugging skills; Understanding of cryptographic concepts

	was enhanced

DETAILED EXAMPLE: Code Debugging

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Tool Name: ChatGPT
Version/Model: GPT-4
Date(s) Used: January 15, 2025
Specific Parts: Code debugging for the calculateHash() function in Programming Assignment 2, specifically fixing the SHA-256 implementation that was producing incorrect hash values.
Prompts Used: "I have a Python function that's supposed to calculate SHA-256 hashes, but it's giving me wrong results. Here's my code: [code snippet]. Can you help me identify what's wrong?"
AI Output: AI identified that I was not properly encoding the input string to bytes before hashing, and provided a corrected version of the function with proper UTF-8 encoding.
Verification: Tested the corrected function with the provided test cases from the assignment; Verified the hash outputs against online SHA-256 calculators;
Cross-referenced the encoding explanation with the Python hashlib documentation
Multiple Uses: Had a 3-turn conversation: initial debugging request → follow-up about persistent issues → request for conceptual explanation
Reflection: I learned about the importance of proper data type handling in cryptographic functions and gained a better understanding of Python's string encoding system. This helped me avoid similar issues in subsequent hash-related functions.