Web Programming and Practical Databases II

AI Disclosure Document

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Course Name & Code: _____web development_____

Lab Sheet: ___Security lab_____

Date Submitted: ____02/04/2025_____

AI Assistance Disclosure

For each task:

Task number: _____1_____

AI Technologies Used

Indicate whether you used AI technologies in completing this task:

✓ YES, I used AI tools. (List all AI technologies used, e.g., ChatGPT, GitHub Copilot, Codeium, Google Bard, etc.)

- Yes I used AI in this lab sheet
- _____
- _____

Prompts Used

If AI was used, describe the prompts or queries you provided to the AI tools:

- why the FILTER_SANITIZE_STRING is depreceted ?
- _____

Nature of Assistance

Indicate how AI technologies contributed to your work by selecting and elaborating on the relevant categories below:

- **Debugging & Error Fixing:** (e.g., AI identified and corrected syntax/logical errors, suggested refactoring, etc.)
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- **Concept Explanation:** (e.g., AI provided explanations of algorithms, data structures, programming concepts, etc.)
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Use of AI-Generated Output

Describe how you used the AI-generated output in your work:

The FILTER_SANITIZE_STRING filter was deprecated in PHP 8.1 and completely removed in PHP 9.0. Here's a detailed explanation of why this happened and what to use instead:

1. **Misleading Name and Behavior**
   - The name suggested it would sanitize strings, but its actual behavior was inconsistent
   - It stripped HTML tags and encoded special characters, which wasn't always the desired outcome
2. **Security Concerns**
   - It didn't provide reliable protection against XSS (Cross-Site Scripting)
   - Developers often mistakenly believed it made strings completely safe

Use strip_tag instead of FILTER_SANITIZE_STRING

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Verification of AI Output

Explain the steps you took to verify the accuracy and correctness of the AI-generated output:
I verify by adding some data via form

What Was Fixed?

This should resolve all the errors and ensure secure data insertion.

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AI-Generated Content Modifications

Did you modify or refine any AI-generated content before submission? (Check one and provide details.)

Repeat the above for each task on the lab sheet

Acknowledgment & Integrity Statement

By submitting this document, I acknowledge that I have fully disclosed my use of AI technologies in completing this lab sheet.