

WEBD 5201 WEB DEVELOPMENT FRAMEWORKS

Assignment 6

2023

Assignment: Security Principles for a Spring MVC RESTful Backend

Objective:

This assignment aims to understand and articulate the critical security principles that can be applied to a Spring MVC RESTful backend and support these principles with the use of suitable libraries. Students will explore and explain the importance of these principles in building secure and robust RESTful web services.

Note:

For this assignment, you may assume the implementation context of a previous assignment related to developing backend services with Spring MVC (e.g., Assignment 5). You can build upon that implementation or refer to it for relevant examples.

Task:

Write a one-page report discussing the security principles applicable to a Spring MVC RESTful backend.

Submission Guidelines:

1. Report:

- Submit a one-page report covering the security principles. Ensure clarity, conciseness, and proper organization of the content.

2. Examples:

- Include code snippets or examples to illustrate the implementation of security principles, showcasing the use of the mentioned libraries.

3. References:

- If applicable, reference any external sources, documentation, or tutorials consulted during the research.

Evaluation Criteria:

The assignment will be evaluated based on the following criteria:

- Content: The report should cover each security principle in sufficient detail.
- Clarity and Conciseness: The report should be concise and well-organized.
- Examples: Code snippets or examples should effectively illustrate implementing security principles using suitable libraries.
- References: If applicable, references to external sources should be accurate and relevant.

Additional Notes:

- Encourage students to explore and choose libraries that align with the specific security requirements of their application.
- Emphasize the practical implementation of security principles using real-world libraries.

Grading:

All reports will be judged fairly, and I will provide the grades. The grades are final, and no disputes will be entertained. Any attempts of plagiarism or academic dishonesty will result in severe consequences, including but not limited to failing the assignment or the entire course.

Deadline: Dec 12th, 2023, 11:59 PM