**Backend API Technical Requirement Document**

**BOOKS MANAGEMENT SYSTEM – DELETE BOOK API**

**1. Overview**

This document outlines the requirements for creating backend API endpoints to delete books for the Books Management System.

**2. Objective**

* Develop API endpoints to allow administrators to delete books.
* Implement validation for deleting book data.
* Integrate the backend with the database to remove book information securely.

**3. Success Criteria**

* API returns a success response upon successful deletion of a book.
* API returns an error response if the book cannot be deleted.
* Book data is securely removed from the database.

**4. Endpoints**

* **DELETE /api/books/{bookId}**
  + **Purpose:** Delete a book.
  + **Request Parameters:**
    - **bookId**: The ID of the book to be deleted.
  + **Response:**
    - Success (HTTP 204 No Content):

Json { "success": true, "message": "Success Delete Book" }

* + - Error (HTTP 404 Not Found):

Json { "success": false, "message": "Book not found" }

* + - Error (HTTP 500 Internal Server Error):

Json { "success": false, "message": "Internal server error" }

**5. Validation**

* Ensure that the book exists before attempting to delete it.
* Implement proper access controls to restrict deletion to authorized administrators.

**6. Error Handling**

* Book not found: Return HTTP 404 Not Found status code with an appropriate error message.
* Handle server errors and database query errors appropriately, returning an HTTP 500 Internal Server Error status code with an error message.

**7. Data Storage**

* Remove book data securely from the database.
* Ensure data integrity by handling cascading deletes or associated data removal.