**HIGH LEVEL TECHNICAL REQUIREMENT DOCUMENT**

**BOOKS MANAGEMENT SYSTEM – ADD BOOK PAGE**

**1. Overview**

This document outlines the requirements for creating a user-friendly Add Book Page within the dashboard of the Books Management System. The page will allow administrators to add new book details securely and efficiently.

**2. Objective**

* Develop a simple and user-friendly page for adding new book details.
* Implement validation for book input.
* Integrate the frontend with the API to create new book records.

**3. Success Criteria**

* Administrators can access the Add Book Page from the dashboard.
* Administrators can input and save new book details.
* A success notification appears upon successful addition.
* Appropriate error notifications appear for invalid input or failed additions.

**4. Components (Form)**

* **Title:**
  + **Type:** Text
  + **Validation:** Required
  + **Placeholder:** Enter Title…
* **Genre:**
  + **Type:** Text
  + **Validation:** Required
  + **Placeholder:** Enter Genre…
* **Publisher:**
  + **Type:** Text
  + **Validation:** Required
  + **Placeholder:** Enter Publisher…
* **Author:**
  + **Type:** Text
  + **Validation:** Required
  + **Placeholder:** Enter Author…
* **Book Number:**
  + **Type:** Text
  + **Validation:** Required
  + **Placeholder:** Enter Book Number…
* **Publication Date:**
  + **Type:** Date
  + **Validation:** Required
  + **Placeholder:** Enter Publication Date…
* **Add Button:**
  + **Type:** Submit
  + **Label:** Add
* **Cancel Button:**
  + **Type:** Button
  + **Label:** Cancel
  + **Functionality:** Redirects back to the book list without adding the book.
* **Error Handling:**
  + Display an alert or error notification when the user enters invalid information or if the addition fails.

**5. Page Workflow**

1. **Accessing Add Book Page:**
   * Navigate to the Add Book Page from the dashboard.
   * The page displays a blank form for inputting new book details.
2. **Inputting Book Details:**
   * Administrator fills out the necessary fields.
   * Validation checks ensure all required fields are correctly filled.
3. **Saving the New Book:**
   * Administrator clicks the 'Add' button.
   * The system sends an API request to create a new book record.
   * On success, a notification appears, and the administrator is redirected to the book list page.
   * On failure, an error notification appears, indicating the issue.

**6. API Integration**

* **Create New Book:**
  + **Endpoint:** POST /api/books
  + **Description:** Creates a new book record with the provided details