**HIGH LEVEL TECHNICAL REQUIREMENT DOCUMENT**

**BOOKS MANAGEMENT SYSTEM – EDIT BOOK PAGE**

**1. Overview**

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

**2. Objective**

* Develop a simple and user-friendly page for editing book details.
* Implement validation for book input.
* Integrate the frontend with the API to update book data.

**3. Success Criteria**

* Administrators can access the Edit Book Page from the book list.
* Administrators can modify book details and save changes.
* A success notification appears upon successful update.
* Appropriate error notifications appear for invalid input or failed updates.

**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…
* **Save Button:**
  + **Type:** Submit
  + **Label:** Save
* **Cancel Button:**
  + **Type:** Button
  + **Label:** Cancel
  + **Functionality:** Redirects back to the book list without saving changes.
* **Error Handling:**
  + Display an alert or error notification when the user enters invalid information or if the update fails.

**5. Page Workflow**

1. **Accessing Edit Book Page:**
   * From the book list page, click the 'Edit' action for a specific book.
   * The system fetches the book's current details and displays them in the form.
2. **Editing Book Details:**
   * Administrator updates the necessary fields.
   * Validation checks ensure all required fields are correctly filled.
3. **Saving Changes:**
   * Administrator clicks the 'Save' button.
   * The system sends an API request to update the book details.
   * 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**

* **Fetch Book Details:**
  + **Endpoint:** GET /api/books/{id}
  + **Description:** Fetches the details of a specific book to populate the form.
* **Update Book Details:**
  + **Endpoint:** PUT /api/books/{id}
  + **Description:** Updates the details of a specific book.