**HIGH LEVEL TECHNICAL REQUIREMENT DOCUMENT**

**BOOKS MANAGEMENT SYSTEM – LIST USER PAGE**

**1. Overview**

This document outlines the requirements for creating a user-friendly and efficient List User Page within the dashboard of the Books Management System. The page will display a list of all registered users and allow for various user management functionalities.

**2. Objective**

* Develop a simple and user-friendly page to list all registered users.
* Provide functionalities for viewing, editing, and deleting users.
* Integrate the frontend with the API to fetch and manage user data.

**3. Success Criteria**

* Users can view a list of all registered users.
* Users can search for specific users.
* Users can edit user details.
* Users can delete users.
* Appropriate notifications will appear for actions such as edit and delete.

**4. Components**

* **User List Table:**
  + **Columns:** Username, Email, Role, Actions (Edit, Delete)
  + **Data Source:** Fetched from API
* **Search Bar:**
  + **Type:** Text
  + **Placeholder:** Search Users…
  + **Functionality:** Filters user list based on input
* **Edit User Modal:**
  + **Fields:**
    - **Username:** Text, required, must be at least 5 characters long
    - **Email:** Email, required, must be valid
    - **Role:** Dropdown (options: Admin, User), required
  + **Save Button:**
    - **Type:** Submit
    - **Label:** Save
* **Delete Confirmation Modal:**
  + **Message:** Are you sure you want to delete this user?
  + **Buttons:**
    - **Confirm Button:** Type: Submit, Label: Yes, Delete
    - **Cancel Button:** Type: Button, Label: Cancel
* **Notifications:**
  + **Edit Success:** Displayed when a user's details are successfully edited.
  + **Delete Success:** Displayed when a user is successfully deleted.
  + **Error Handling:** Display alerts or error notifications for failed actions.

**5. API Integration**

* **Fetch Users:**
  + **Endpoint:** GET /api/users
  + **Description:** Fetches a list of all registered users.
* **Edit User:**
  + **Endpoint:** PUT /api/users/{id}
  + **Description:** Updates the details of a specific user.
* **Delete User:**
  + **Endpoint:** DELETE /api/users/{id}
  + **Description:** Deletes a specific user.