

Case Study: Simple Library Management System Workflow Implementation

Create a React-based frontend application for managing book requests in a library system. The application should provide interfaces for submitting book requests and tracking their approval status. The system must implement a workflow for book requests in a library system. This system should interact with the API from [Assignment 7](#).

Requirements

1. Book Request Form

Create a form component that allows users to submit new book requests with the following fields:

- Book Title (required)
- ISBN (required)
- Author (required)
- Publisher (required)
- Notes/comments

2. Request List

Implement a view to display all book requests with:

- List of book requests showing:
 - Book title
 - ISBN
 - Author
 - Publisher
 - Current status
 - Submission date
- Status indicators using appropriate icons and colors:
 - Pending (Yellow)
 - Under Review (Blue)
 - Accepted (Green)
 - Rejected (Red)
- Sorting and filtering options
- Pagination for handling multiple requests

3. Review Book Request View

Create a detailed view for each request showing:

- Book detail information
- Current status
- Request history
- Approval/rejection buttons (required)
- Comments/notes (required)

Reference user interface:

Book Request Review

Requester: Ahmad Susanto

Request Date: 26 Maret 2024

Current Status: REVIEWED_BY_LIBRARY_MANAGER

Book Detail
Title: React Programming
Author: John Doe
Publish Year: 2024

Request History

Review Date	Action by	Action	Comments
25 Maret 2024	Ahmad Susanto	Initial Requests	Buku ini sangat diperlukan untuk pembelajaran React
27 Maret 2024	Librarian	Approved	Buku bagus untuk koleksi

Status

☐ **Approve** ☐ **Reject**

Comments

Submit Review

Constraints:

- Implement loading states for async operations
- Error handling and user feedback
- Form validation with error messages
- Confirmation dialogs for important actions (approve or reject)
- Toast notifications for status updates
- Implement role-based access control