

React Assignment: "Online Library System"

Objective:

Create an online library system.

Requirements:

1. Home Page: (15 marks)

- A landing page with a welcome message and a list of book categories (e.g., Fiction, Non-Fiction, Sci-Fi, etc.). (5 marks)
- Display a list of popular books with a link to view more details.(5 marks)
- A navigation bar with links to "Home", "Browse Books" and "Add Book" (5 marks)

2. Browse Books Page: (20 marks)

You can use dummy data for books collection.

- Display a list of books filtered by category. (5 marks)
- Use dynamic routing to filter books by category (e.g., `/books/:category`).(5 marks)
- Each book should have a "View Details" link that routes to the Book Details page. (5 marks)
- **Search Functionality:** Add a search bar on the Browse Books page to filter books by title or author.(5 marks)

3. Book Details Page: (15 marks)

- A dynamic route that displays detailed information about a selected book. (5 marks)
- Show book title, author, description, and rating. (5 marks)
- Include a "Back to Browse" button or link to return to the Browse Books page. (5 marks)

4. Add Book Page: (30 marks)

- A form for adding a new book to the library. (5 marks)
- Use Redux to manage the state of the books list. (10 marks)
- After submission, redirect the user to the Browse Books page with the newly added book displayed. (10 marks)
- Implement form validation to ensure all fields are correctly filled out.(5 marks)

5. 404 Page: (10 marks)

- A "Page Not Found" route for any undefined routes. (5 marks)
- This page should include a link back to the Home page. (5 marks)

Submission (10 marks)

- Submit the link to your GitHub repository containing the project. (5 marks)
- Ensure the README file includes instructions on how to run the application. (5 marks)