

Client-Side Explanation for Book Store Web Application

Overview

The client-side of the **Book Store Web Application** is responsible for displaying content to users and handling interactions. It is built using **EJS (Embedded JavaScript Templates)** and **Bootstrap 5** for styling.

Folder Structure

book-store/

```
├── views/
│   ├── allbooks.ejs  # Displays all books in a grid format
│   ├── edit.ejs      # Book edit form (Admin Panel)
│   ├── form.ejs      # Add new book form (Admin Panel)
│   ├── index.ejs     # Home page with featured books
│   ├── list.ejs      # Admin book list table
│   └── login.ejs     # Admin login page
```

Explanation of Each Page

1. Home Page (index.ejs)

- Displays featured books.
- Uses a **book slider** for highlighting bestsellers.
- Includes navigation links for users.

2. All Books Page (allbooks.ejs)

- Lists all available books.
- Displays books in a **card layout** (each card contains an image, title, author, and price).
- Clicking a book can lead to a detailed page (if implemented in the future).

3. Admin Panel Pages

a) Login Page (login.ejs)

- Allows administrators to log in.
- Uses a simple form with **username** and **password** fields.

b) Book List Page (list.ejs)

- Displays all books in a **table format**.
- Includes **Edit** and **Delete** buttons.

c) Add Book Form (form.ejs)

- Allows admins to add new books.
- Includes input fields for:
 - **Title**
 - **Author**
 - **Price**
 - **Description**
 - **Image URL**
 - **Bestseller status**
- Form validation is implemented to ensure required fields are filled.

d) Edit Book Form (edit.ejs)

- Similar to the add book form but pre-filled with existing book details.
- Allows admins to modify book information.

How It Works

1. When a user visits the website:

- They see books listed on the home page and all books page.
- Clicking on a book could lead to a details page (if implemented).

2. When an admin logs in:

- They can view the book list.
- They can add, edit, or delete books.

Technologies Used

- **Frontend Framework:** EJS (Embedded JavaScript for templating)
- **CSS Framework:** Bootstrap 5 (for responsiveness and styling)
- **Client-Server Communication:** Uses **form submission** and **fetch API (if added later)** for handling data.

Notes for Further Improvement

- Implement a **search bar** for books.
- Add **book details pages**.
- Enhance the UI using **custom CSS**.