

Full Stack Development with MERN
Frontend Development Report

Date	22 June 2024
Team ID	SWTID1720433526
Project Name	Project - Book-Store
Maximum Marks	10 Marks

Project Title: Book-Store

Date: 19-07-2024

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Objective

The objective of this report is to document the frontend development progress and key aspects of the user interface implementation for the Book-Store project.

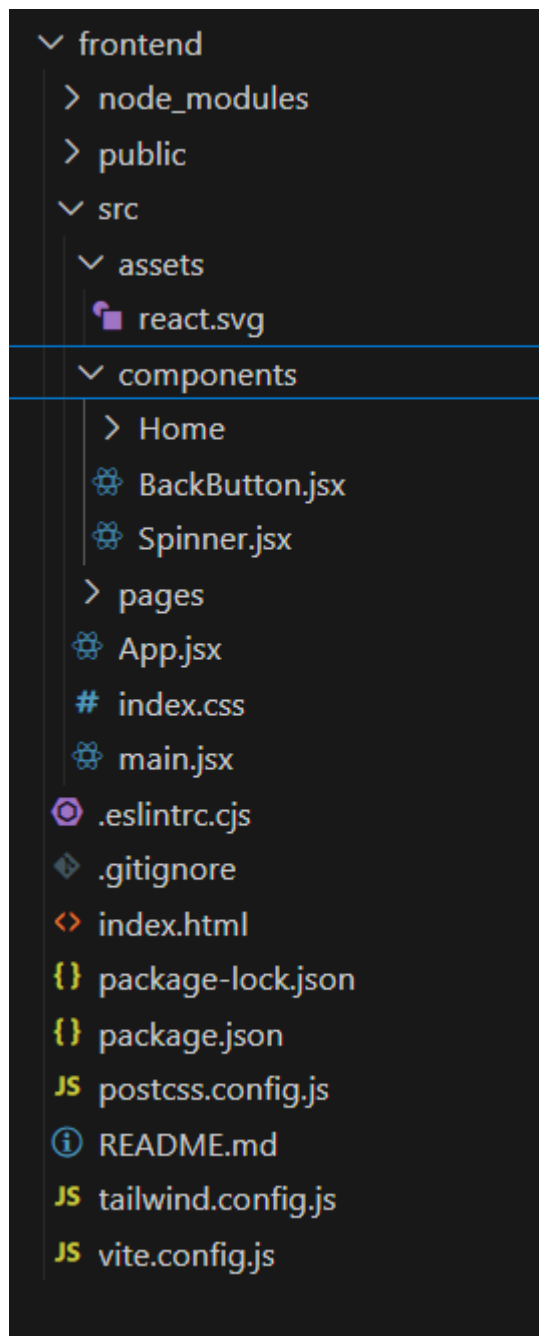
Technologies Used

Frontend Framework: React.js

UI Framework / Libraries: Tailwind CSS

API Libraries: Axios

Project Structure:



node_modules - Contains all the project's npm packages and dependencies. This folder is automatically created when you run 'npm install'.

public - Holds the static assets that are served directly.

src - Contains the source code for the application.

assets - This folder is usually where you put static assets such as images and fonts.

components - Contains reusable React components.

Home - A subfolder that might include components specific to the Home page.

BackButton.jsx - A component for a back button.

Spinner.jsx - A component for displaying a loading spinner.

pages - Contains react components that represent different pages in the application.

App.jsx - the root component where routing and main application logic might be handled.

index.css - Global CSS styling for the project.

main.jsx - The entry point for the React application where the App.jsx is rendered to the DOM

index.html

package-lock.json and package.json - Contains metadata about the project and its dependencies.

tailwind.config.js - Configuration file for Tailwind CSS

vite.config.js - Configuration for Vite.

Key Components

1. **App.jsx** - Responsible for routing and main application layout.
2. **/components** - Contains reusable UI components used across the application
3. **/pages** - Includes different pages for the Web App.

Routing

Routing is managed using React Router. Here are the main routes:

/BookModal.jsx

/BooksCard.jsx

/BookSingleCard.jsx

/BooksTable.jsx

Integration with Backend

The frontend communicates with the backend APIs hosted on <http://localhost:5555>.

post / - Saving a new book to database

get / - Get all books from database

get/:id - Get one book from database

put/:id - Update a book

delete/:id - Delete a book

User Interface (UI) Design

The UI design follows a dark theme for the friendliness to the users eyes.

It has been implemented using Tailwind CSS.