**Book Review System(Web Application)**

# Features

1. User-friendly interface for managing reviews.
2. Backend API for CRUD operations.
3. MongoDB for database storage.
4. Secure authentication.
5. Dynamic filtering and sorting.

# Technologies Used

* **Frontend**: React, Axios, Bootstrap, FontAwesome.
* **Backend**: Node.js, Express.
* **Database**: MongoDB

# Prerequisites

Ensure you have the following installed:

* **Node.js**
* **MongoDB** (Compass)
* **npm** (comes with Node.js)

# Installation

1. Clone the Repository

* git clone https://github.com/Amsith/BookReview.git
* cd project-name

1. Install Dependencies
   1. For Backend
      * cd backend
      * npm install
   2. For Frontend

* cd frontend
* npm install

# Running the Application

1. Start MongoDB

* Ensure MongoDB is running locally

1. Run Backend

* cd backend
* npm run dev

1. Run Backend

* cd frontend
* npm run dev

# Environment Variables

* PORT=8000
* DB=mongodb://localhost:27017/book\_review
* JWT\_SECRET\_KEY = asdfjsdfuiw23rhj23nkjwne

# API Endpoints

1. Authentication endpoints

|  |  |  |
| --- | --- | --- |
| **HTTP Method** | **Endpoint** | **Description** |
| POST | /api/register | Register User |
| POST | /api/login | Login User |

1. Reviews endpoints

|  |  |  |
| --- | --- | --- |
| **HTTP Method** | **Endpoint** | **Description** |
| POST | /api/post/reviews | Create a new review |
| GET | /api/get/reviews | Get all reviews |
| GET | /api/get/reviews/:id | Get Specific review by ID |
| PUT | /api/put/reviews/:id | Update a review by ID |
| DELETE | /api/delete/reviews/:id | Delete a review by ID |