

GLA University: GLAMS



TOPIC :- MINI PROJECT SYNOPSIS ON BOOK REVIEW APP

Submitted To :- Mr Saurav Kumar Chauhan

Submitted By :- "Himanshu Singh, Raghav Sharma, Anubhav Singh, Arpit Dubey"

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*Name: Anubhav Singh*

*Id: anubhav.gla\_cs23@gla.ac.in*

*Uni Roll.no: 2315000358*

*Name : Arpit Dubey*

*Id:. arpit.dubey\_cs23@gla.ac.in*

*University roll no :2315000420*

*Name: Himanshu Singh*

*Id: himanshu.singh2\_cs23@gla.ac.in*

*Uni Roll.no: 2315000974*

*Name: Raghav Sharma*

*Id: raghav.sharma\_cs23@gla.ac.in*

*Uni Roll.no: 2315001751*

*Faculty Name: Mr Saurav Kumar Chauhan*

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## DECLARATION

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*I declare that the mini project titled Book Review App has been prepared and completed by me for my academic purpose. This project is made only for learning and practice. The code and ideas are created by me using the knowledge of HTML, CSS, Node.js, and database for local storage. I have not copied from anywhere, but I have taken some references for better understanding.*

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## INTRODUCTION

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*Today, technology plays a big role in everything we do, even in reading books. Many people now check online reviews before buying or reading a book. Our Book Review App is made to give a simple platform where users can write their opinions about books and also read what others think. This helps new readers make a decision easily. The app is made with frontend technologies like HTML and CSS for the design, Node.js for backend, and local storage for saving the data. It is small but very useful for students, teachers, and book lovers.*

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## ABOUT THE PROJECT

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*The project is a small web application where a user can sign up, log in, and share reviews of books. Every user can also see reviews written by other users. An admin part is also included where the admin can manage the reviews and users so that the platform stays clean. The project is designed in a way that it is simple, user-friendly, and works smoothly without needing heavy hardware. It is a basic version of famous apps like Goodreads but built with our own ideas. The project also helped us to understand how frontend and backend work together.*

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### PRIMARY REASON TO CHOOSE THIS PROJECT

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*We decided to make this project because book reviews are very important for readers. Before reading a new book, people want to know if it is interesting, easy to understand, and worth reading. Also, in our daily student life, we need book suggestions from friends, and this app works like an online friend group. Another reason is that we wanted to learn web development in a real way, where we use HTML, CSS, and Node.js together with a database. By making this project, we got a chance to apply what we learned in class and improve our practical skills.*

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### MAIN PROJECT OBJECTIVE OF THE PROJECT

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*The main objective of this project is to create a small and working platform where readers can share and read reviews. Some objectives include:*

- To provide a space where users can give honest feedback on books.*
- To allow users to see multiple reviews before choosing a book.*
- To practice building a complete web application from frontend to backend.*
- To understand how to store and manage data in a database.*
- To gain knowledge of login and signup systems which are common in most apps.*



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### SCOPE OF THE PROJECT

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*The project has good scope for the future. Right now, it is a small app where users can log in and share reviews. But in the future, we can add many features like:*

- *Star rating system (1–5 stars).*
- *Search option to find books quickly.*
- *Book recommendations based on past reviews.*
- *Option to upload book cover images.*
- *Connecting with online APIs like Google Books for real-time book details. This means that the project can start small but has the possibility to grow into a full professional book review platform.*

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### WORKING METHODOLOGY OF THE PROJECT

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*The project works in a simple step-by-step process:*

1. *A user creates an account and logs in.*
2. *After login, the user can see the list of books available.*
3. *The user can click on a book and write a review or read reviews written by others.*
4. *All reviews are stored in the database using Node.js.*
5. *When another user opens the same book, the stored reviews are displayed.*
6. *The admin has access to check and manage the reviews to remove wrong or spam content. This simple flow makes the app easy to use and understand even for new users.*

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DETAILS ABOUT THE HARDWARE AND SOFTWARE

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**System Requirements:-**

*The project does not need a very powerful system. Any normal computer or laptop can run it as long as it has Node.js and a browser installed.*

**Software Requirements :-**

- *Operating System: Windows/Linux/macOS*
- *Frontend: HTML, CSS*
- *Backend: Node.js*
- *Database: Local storage (JSON or lightweight DB)*
- *Code Editor: VS Code or any text editor*
- *Browser: Chrome, Firefox, or Edge*
- *Other tools: Node Package Manager (npm) for installing packages*

**Hardware Requirement:-**

- *Processor: Intel i3 or above (basic processors also work)*
- *RAM: At least 4 GB (more is better for smooth performance)*
- *Hard Disk: At least 500 MB free space*
- *Internet connection (for downloading Node.js and libraries)*

## **TESTING TECHNOLOGY:-**

### **1. Frontend Testing**

- *Checking that all pages open properly in different browsers.*
- *Making sure buttons, forms, and links are working as expected.*
- *Testing if the design looks good on desktop and mobile screens.*
- *Ensuring that CSS styles are properly applied.*

### **2. Backend Testing**

- Testing login and signup to make sure only registered users can log in.
- Checking if reviews are properly saved in the database.
- Making sure users can read reviews without errors.
- Testing admin functions like deleting wrong reviews.
- Checking server response for speed and errors.

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## MODULE DESCRIPTION

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*“This project is divided into different modules to make the development simple and well-organized. Each module has its own role in handling different parts of the application”*

### **1. User Module**

- *Allows users to sign up, log in, and log out.*
- *Users can view books, read reviews, and also add their own reviews.*

### **2. Review Module**

- *Users can create, edit, and delete their reviews for books.*
- *Users can also see other reviews and give ratings or comments.*

### **3. Admin Module**

- *The admin can manage all users and their reviews.*
- *The admin can remove inappropriate reviews or block fake users if necessary.*

### **4. Book Management Module**

- *Handles storage and display of book details from the database.*
- *Supports CRUD operations (Create, Read, Update, Delete) for books.*

### **5. Comment & Rating Module**

- *Allows readers to rate books (like giving stars) and write comments.*
- *Displays the number of comments and ratings for each book.*

### **6. Dashboard Module**

- *Provides an easy-to-use interface for admin to manage books, users, and reviews.*
- *Helps in checking overall activity of the app.*

### **7. Security Module**

- *Handles login and password authentication.*
  - *Ensures safe storage of user data and prevents unauthorized access.*
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## REFERENCES

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- W3Schools Online Web Tutorials – <https://www.w3schools.com>
- MDN Web Docs (HTML, CSS, JavaScript) – <https://developer.mozilla.org>
- Node.js Official Documentation – <https://nodejs.org>
- TutorialsPoint (Web Development) – <https://www.tutorialspoint.com>
- FreeCodeCamp Articles and Guides – <https://www.freecodecamp.org>
- YouTube Tutorials on Full Stack Development (various channels)
- Class notes and discussions with teachers for project guidance

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