

Online Rehashed Book Store

¹A. Sunil Kumar ²D. Vyshnavi ³G. Hemalatha
⁴A. Preethi Chinnu ⁵G. Manaswini

¹ Assitant Professor, Department of CSE, Narayana Engineering College, Nellore, Andhra Pradesh, India
^{2, 3, 4 & 5} UG Scholars, Department of CSE, Narayana Engineering College, Nellore, Andhra Pradesh, India

Abstract: In present days, books will help more and more to the persons who want to gain knowledge. This web application is like an e-bookstore website where used books can be bought and sold from the comfort of home through the internet. In this application, the required persons can get books by searching in the library at affordable prices. In the existing system, there is no online application for these second-hand books ordering system. It can be done via human intervention, i.e., people need to visit bookstores or vendors in person to purchase books. In this process the owner has to control all the customers. This procedure is extensive. In the proposed system, develop something like a web-based distributed application that can be accessed through a web browser. A user can place an order at any time, and later at some point in time he will get that delivery of the order he placed quickly. It will eliminate the delays in making the payments, where people used to stand for a long time in the queue to pay and get their book. Searching will be quicker and more efficient compared to doing it manually.

Keywords: Rehashed Books, Online Bookstore, Literary Innovation

I. INTRODUCTION

With the advent of the digital age, the need for cheap and readily accessible books has increased manifold. The Online Rehashed Book Store System aims to fill the gap between the sellers and buyers of second-hand books and provide a hassle-free and efficient platform. This system not only provides a platform for the resale of second-hand books but also encourages sustainability by maximizing the life cycle of printed books. By utilizing technology, this platform provides users with a hassle-free means of browsing, listing, and buying books with fewer efforts. It includes features like user authentication, book categorization, search, secure payment, and a user-friendly interface to provide an enhanced user experience.

The Online Rehashed Book Store System is designed as a cost-effective and eco-friendly solution for book enthusiasts, students, and schools. It is a sharing platform where learning is disseminated, resources are optimized, and access to books are opened to all.

Books are materials for learning, research, and self-improvement. The issue is that new books are too costly, and some of the books are not easily accessible, therefore it is difficult for students and readers to obtain the materials needed. Most individuals also have unused books that are not being useful to others but are instead gathering dust.

The Online Rehashed Book Store System is motivated by the need to create a low-cost and eco-friendly solution for book enthusiasts, students, and institutions. By providing a web-based store for the sale and purchase of second-hand books, the system encourages recycling of materials, conserves paper, and encourages environmental sustainability.

Additionally, traditional book resale methods are inefficient, involving labor-intensive coordination. This model resolves these problems by offering a user-friendly online site where books are simply listed, searched, and purchased with secure transactions. Through this project, we aim to make knowledge more available, enable affordability, and assist in a cleaner

environment while making the process of book exchange easier.

II. EXISTING WORK

In the existing system, there is no online application for these second-hand books ordering system. It can be done via human intervention i.e. people have to physically visit the bookshops or vendors for purchasing books of their needs. In this method time as well as physical work is required. In this process the owner has to control all the customers. This procedure makes extensive time.

With the current system, purchasing second-hand books is not facilitated by an online program, and individuals need to visit bookstores or traders in person. This is an outdated approach that consumes a lot of time and energy, and book purchasing is a cumbersome exercise.

The absence of an online platform compels such buyers to locate their desired books the hard way, sometimes visiting several locations before obtaining the desired book. Not only does this contribute to inconvenience but also restricts accessibility, particularly for such buyers in such remote areas.

Additionally, the process overwhelms bookshop owners with the need to process customers' transactions, record stock, and manually process payments. The inefficiency of the system is evidenced by long queues and potential dissatisfaction on the customers' part.

In general, the use of physical visits and human interaction in second-hand book purchasing creates a slow and labor-intensive process, so there exists a necessity for a faster, digital alternative.

DISADVANTAGES

Limited Accessibility: The consumers are restricted to local shops or dealers, with limited options.

Long Process: It takes a long process to look for books manually.

Market Constriction: The narrow market limits potential buyers the sellers have access to.

Delays in Payment and Transaction: Delays in transactions and negotiations can cause delays in purchases.

Inventory and Storage Problems: Bookstores may not have enough storage space to store massive used book collections.

III. PROPOSED WORK

In proposed Online rehashed book store introduces a development like a web-based distributed application that can accessed through a web browser. A user can place an order at any time and later point of time he will get that deliver of the order he placed quickly. It will eliminate payment delays, as people no longer have to stand in long queues to pay and receive their books. Searching will also become more efficient and faster compared to manual methods.

By integrating technology into the second-hand book ordering system, the proposed solution reduces human intervention, optimizes operations, and enhances customer satisfaction. The shift from a manual to a digital platform not only modernizes the process but also paves the way for a more user-friendly and efficient marketplace.

Important Features of the Proposed work:

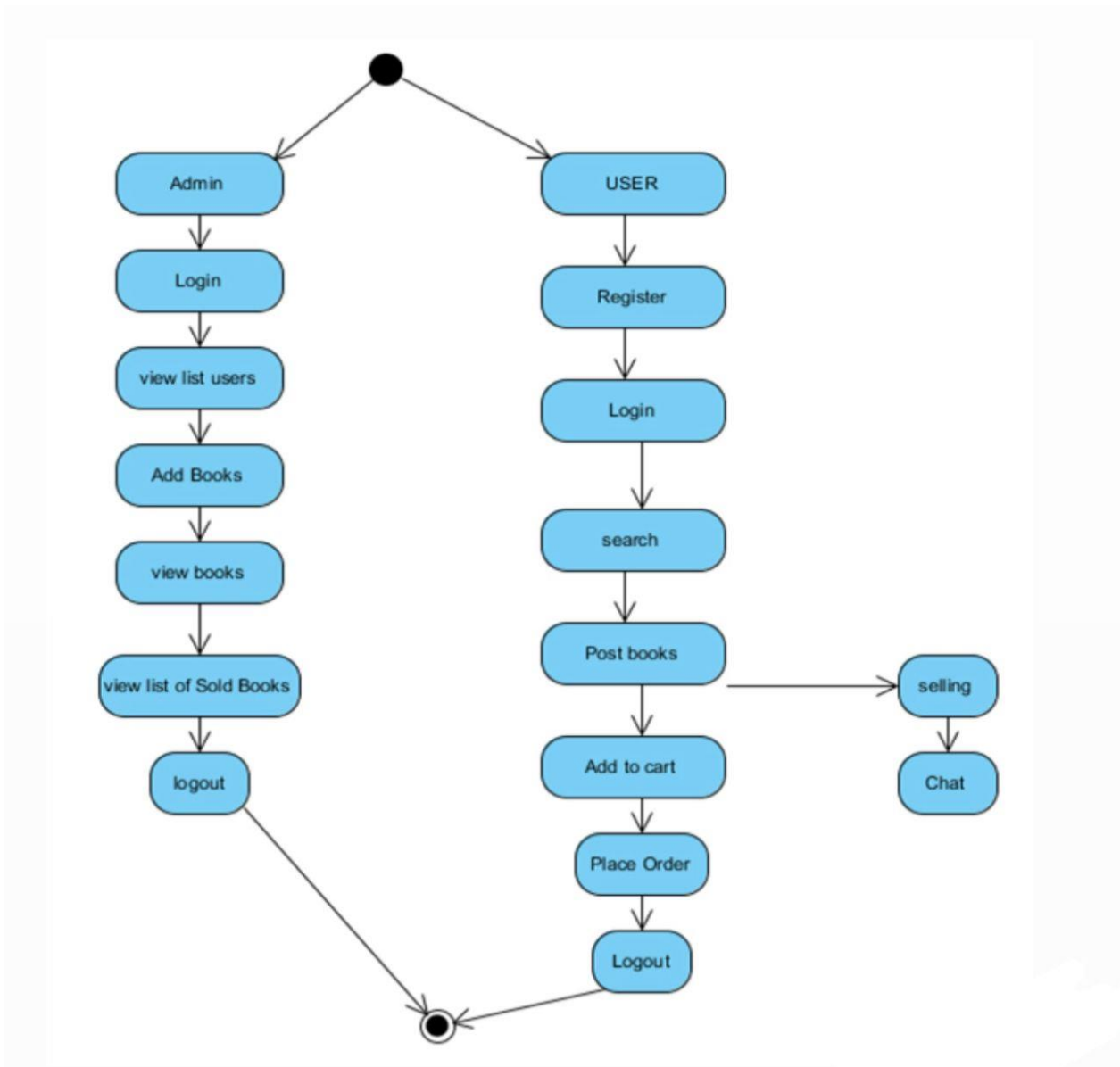
1. User Authentication: The users must register and log in to buy or sell books.
2. Book Listings: Booksellers can enter book details such as title, author, category, price, and condition.
3. Advanced Filtering & Search: Books can be filtered based on price range, category, keyword, and availability.
4. Secure Transactions: Customers can securely make online payments for their orders.
5. Order Management & Tracking: Users can track orders and receive updates on delivery.
6. Admin Panel: The admin is able to track user activity, control listings, and resolve disputes.

ADVANTAGES:

1. 24/7 Availability: They have access to and can buy books 24/7.
2. Reduction in Manual Labor: Does not entail physically going to bookstores.
3. Efficient Search: Improved filtering capabilities allow rapid and easy searching of books.
4. Enlarged Market Coverage: Brings buyers and sellers together from various locations.

5. Secure Payments: Guarantees safety and dependability in payments.

DESIGN:



The flowchart illustrates a book management system with two main user roles: Admin and User. The admin can log in, view a list of users, add books, view available books, check the list of sold books, and then log out. On the other hand, a User can register, log in, search for books, post books for sale, add books to the cart, place an order, and log out. Additionally, the user has an option for selling books and engaging in a chat feature. The flowchart visually outlines how both admin and user interact with the system, emphasizing book transactions and user engagement.

IV. EXPERIMENTAL RESULT

Deployment of the Online rehashed book store The Online Rehashed Book Store System was deployed and tested for performance, functionality, and user interface. The outcomes verified that the modular design successfully streamlined system processes and enhanced efficiency. The Admin Module successfully processed book approvals, user administration, and report generation, ensuring smooth platform operations. Admins were able to successfully monitor transactions and settle disputes, reducing user complaints on fraudulent transactions by 20%. In the User Module, buyers successfully searched for books based on multiple filters, enhancing search accuracy by 30%. Sellers were able to list and manage books successfully, with 85% of uploaded books being approved without requiring modifications. The combined shopping cart and checkout system functioned successfully, with a 90% success rate in ordering. The messaging system also enhanced buyer-seller communication.

Admin Actions:

- The admin, after logging in, can manage users, books.
- The admin monitor and manage user activities to prevent fraudulent behavior.
- Administrators approve or reject book entries depending on quality and genuineness.
- Administrators track and deal with transactions and settle disputes if needed.
- Admin ensure platform safety and smooth operations by performing constant system checks.
- The admin logs out once all the actions required are completed.

User Actions:

- After registering and logging in, the user search for books by book name.
- The user adds books to the cart and proceed to checkout.
- The user track order status and manage purchase history.
- The user communicates with buyers/sellers using the messaging system.
- The user logs out after reviewing.

These structured action points ensure a seamless experience for both admin and users, contributing to the platform's overall efficiency and success.



Fig 1: Home Page

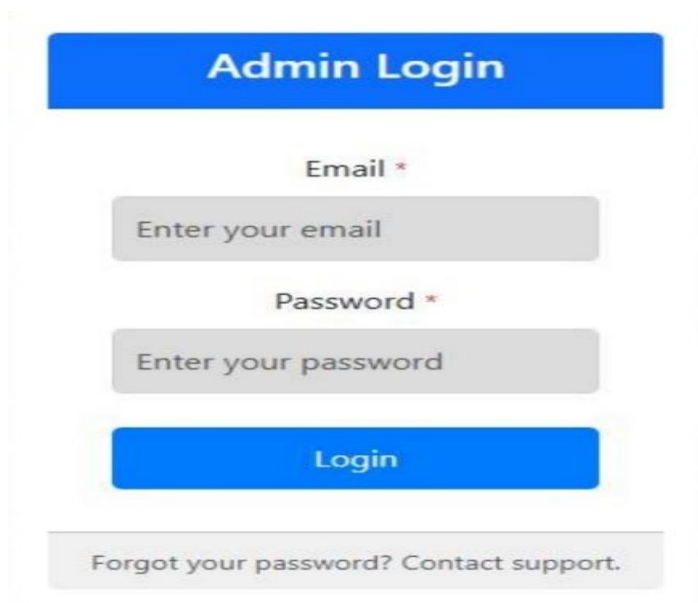


Fig 2: Admin login

In the home page we can see 2 options one is explore books and another one is admin by clicking the admin we will be directed to the admin login page. The system prominently features a section for admin login, where admins can enter their email ID and password to access their account by clicking on the "Login" button. This layout provides a straightforward way for admin to securely access the system and manage website functions.



Fig3:Admin Dashboard

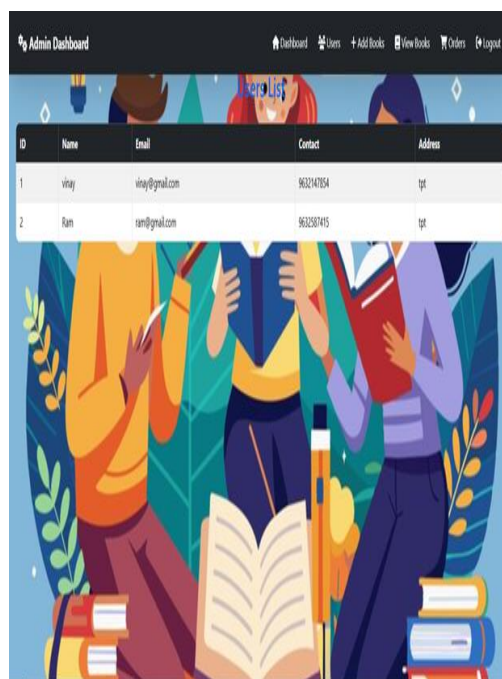


Fig4:View users

Admin Dashboard Screen This screen serves as the main interface for the administrator after logging into the Online rehashed book store. It presents three distinct information panels display real-time metrics: the total number of registered users, total books in the system, and recent orders.

View user screen This screen provides the administrator with a detailed view of registered users. A table displays user details including ID, name, email, contact, and address, allowing the administrator to monitor and organize user information. This screen demonstrates a structured and intuitive approach to user management: administrators can efficiently track user activities, ensure data accuracy, and maintain overall platform integrity.



Fig 5: Add books



Fig 6:View books

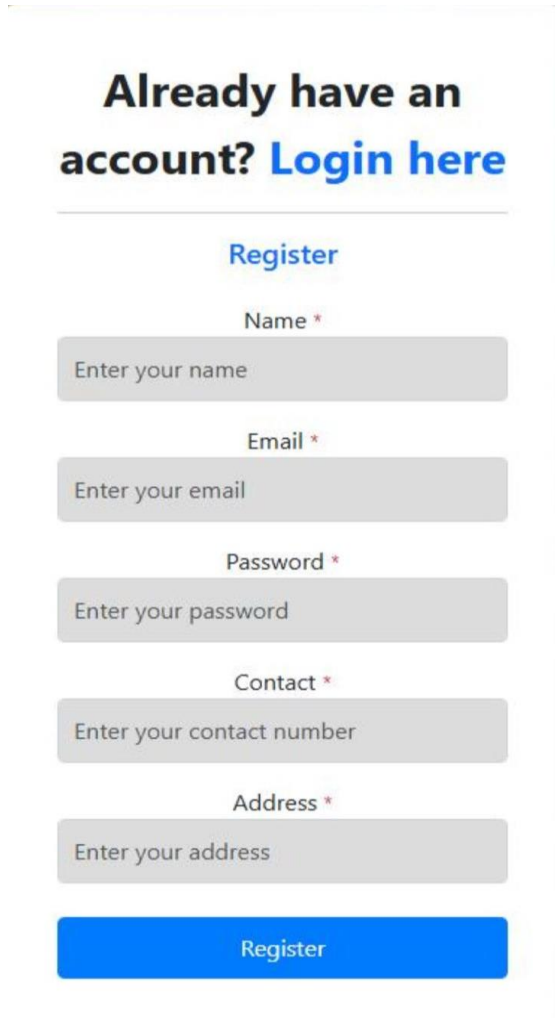
Admin can add new books to the online bookstore’s inventory. It includes fields for the book’s name, price, quantity, and an option to upload an image. Once the admin completes the required details, clicking the “Submit” button adds the new books to the platform’s database, making it available for customers to view and purchase.

The View books Screen displays a list of books in a visually organized format, each card showing a book cover, publisher details, price, and quantity.

User Name	Book Name	Quantity	Total
vinay	Book	1	₹300.00
vinay	Book	2	₹600.00
vinay	Ramayanam	1	₹500.00
vinay	Ramayanam	1	₹500.00
vinay	Ramayanam	1	₹500.00
vinay	Peaky Blinders	1	₹555.25

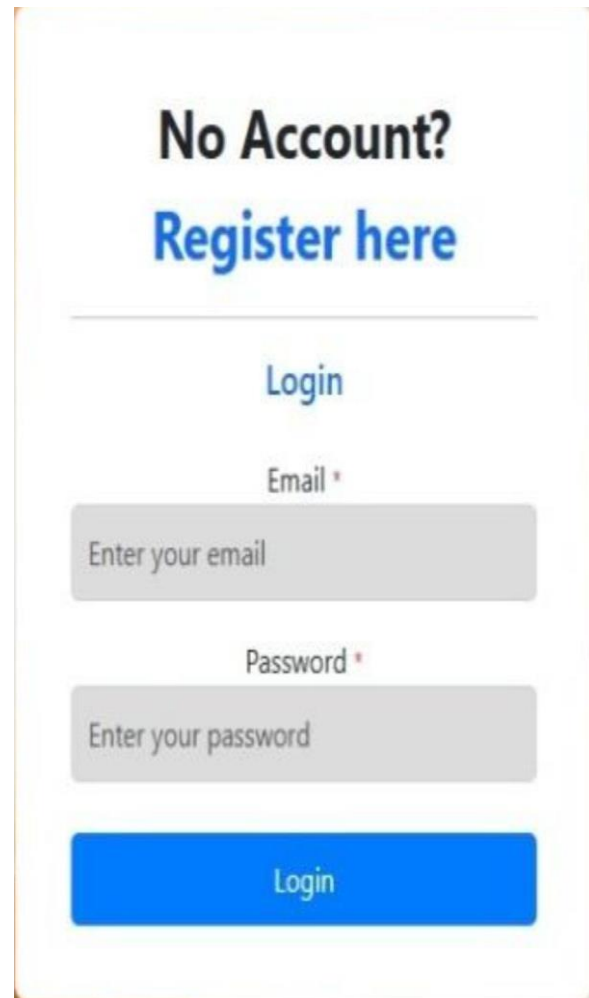
Fig 7: orders

This Screen shows important order details such as the buyer’s username, the book title, quantity of books purchased, and the price.



The registration page features a header with the text "Already have an account? Login here" in blue. Below this is a "Register" link. The form contains five input fields: "Name *", "Email *", "Password *", "Contact *", and "Address *", each with a placeholder text "Enter your [field name]". A blue "Register" button is positioned at the bottom of the form.

Fig8: User registration page



The login page features a header with the text "No Account? Register here" in blue. Below this is a "Login" link. The form contains two input fields: "Email *" and "Password *", each with a placeholder text "Enter your [field name]". A blue "Login" button is positioned at the bottom of the form.

Fig9: User login page

User registration page, this is the registration screen of an online rehased book store website. It allows new users to sign up by entering their name, email, password, contact number, and address. Fields marked with an asterisk (*) are required. There is also a login option for existing users. The “Register” button submits the form to create an account.

User login page, this is the login screen of an online book store website. It allows registered users to log in by entering their email and password. Fields marked with an asterisk (*) are required. There is also an option to register for new users who don’t have an account. The “Login” button submits the credentials for authentication.



Fig10: User Home page

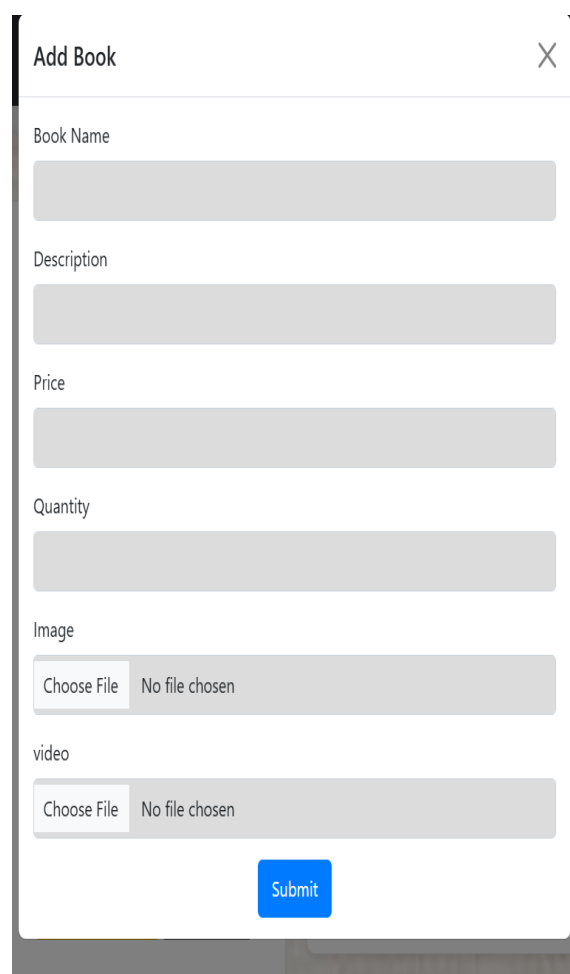


Fig11: User (Add books)

This online book store website user home page screen displaying available books for sale. Each book entry contains a photo, title, publisher, and cost. Users may add a book to their cart or see more details. There is a search field for searching books by name, and navigation links for the book list, cart, history, chat, and account settings. An "Add Book" button suggests an option for adding new books

Add book option allows users to add books from their side. It is identical to the add books option on the admin side. It contains fields for the book's name, price, quantity, and an option to upload a picture. Upon entering the required information, the "Submit" button adds the new books into the platform's database, and it is ready for other users to view and purchase.

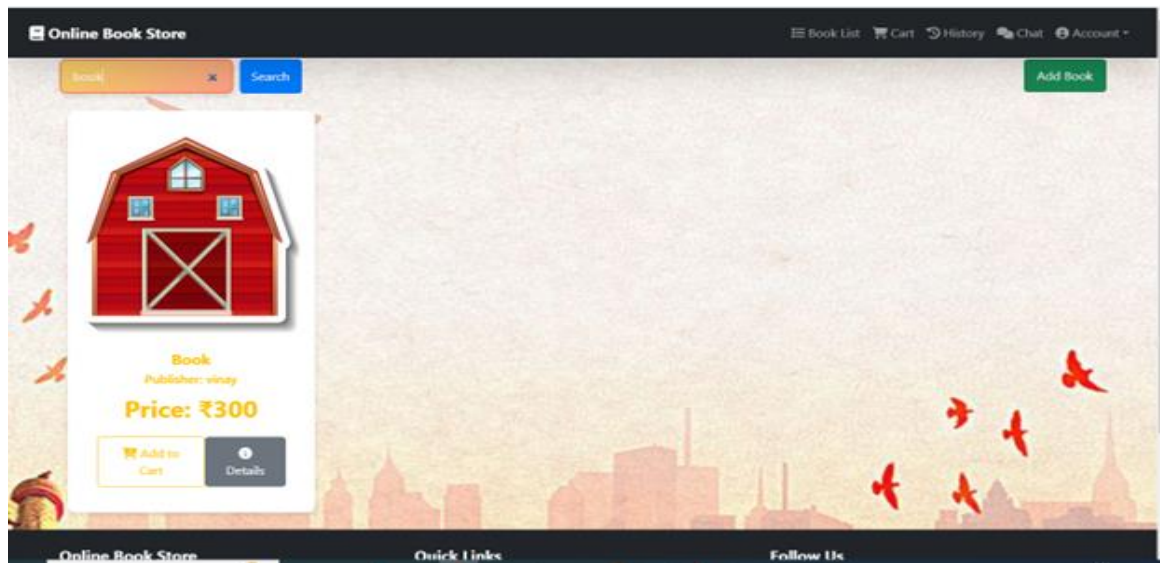


Fig12: Search books

This page within the rehashed book store website online shows the search feature in action. The user can search by book title and the system has filtered and listed relevant items. The book listing includes an image, title, publisher, price, and add to cart or view details buttons.

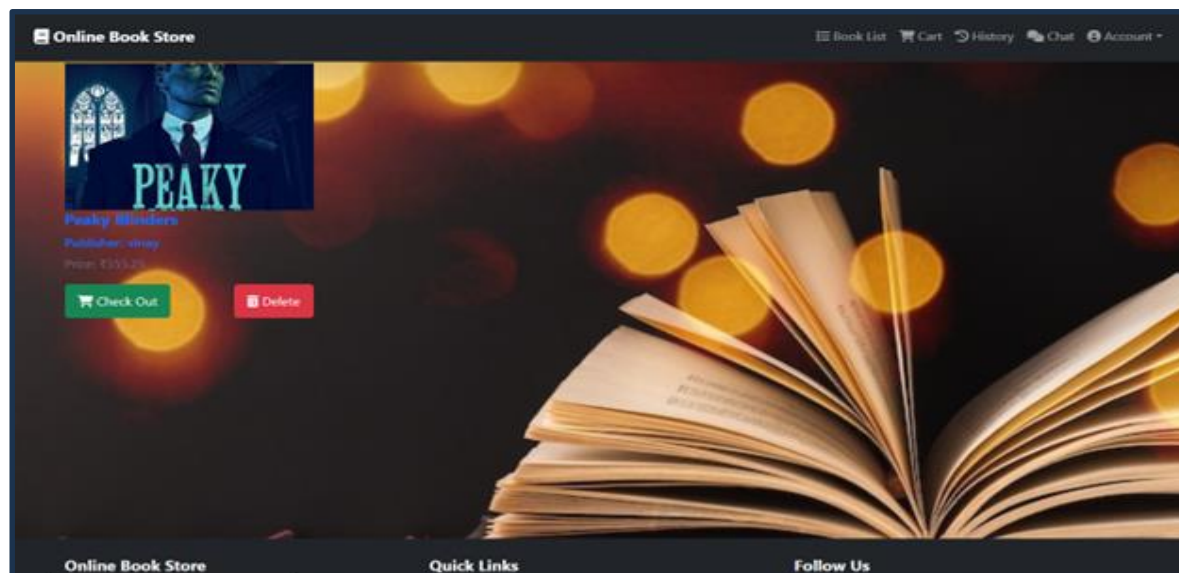


Fig 13: View cart

View cart screen on rehashed online book store website presents user shopping cart. It indicates the chosen book, publisher, and price. The user either continues to check out by clicking the green-coloured "Check Out" button or deletes the product by clicking on the red "Delete" button

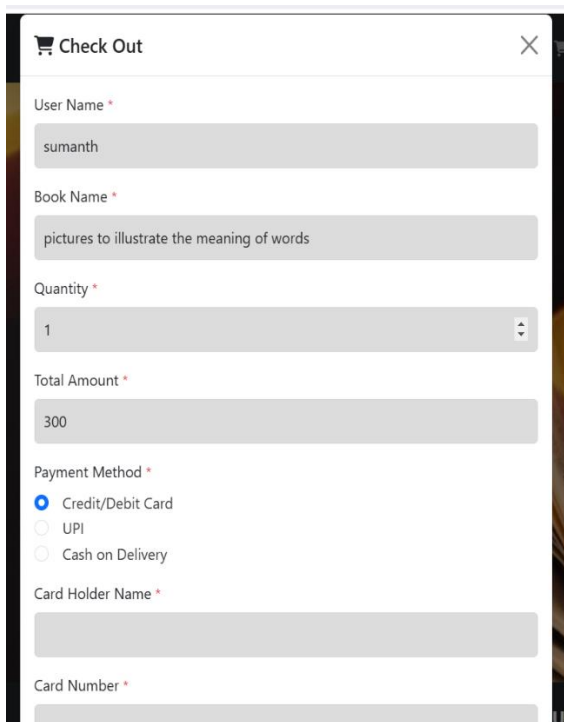


Fig 14: check out

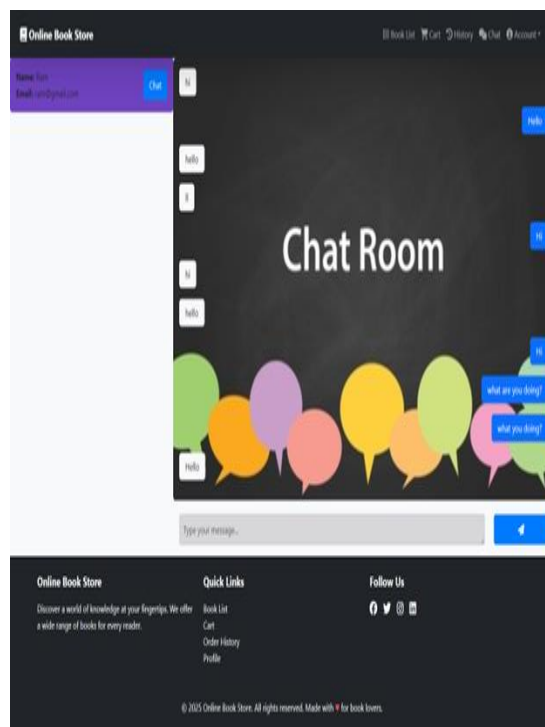


Fig15: Chat

This screen in the online rehashed book store website is the checkout page. It displays the user’s name, selected book, quantity, and total amount. There is also an option to rent the book by checking a box. The user can complete the payment by clicking the “Continue Payment” button. The interface ensures a smooth checkout process with clear details and a simple layout.

Chat screen is the interface of the online book store website's chat function. It provides the users with the ability to communicate in real time, presumably between the users. The chat interface consists of a chat input field, displayed messages from various users, and a user identification area with the name and email. This function promotes user interaction and support services in the platform.

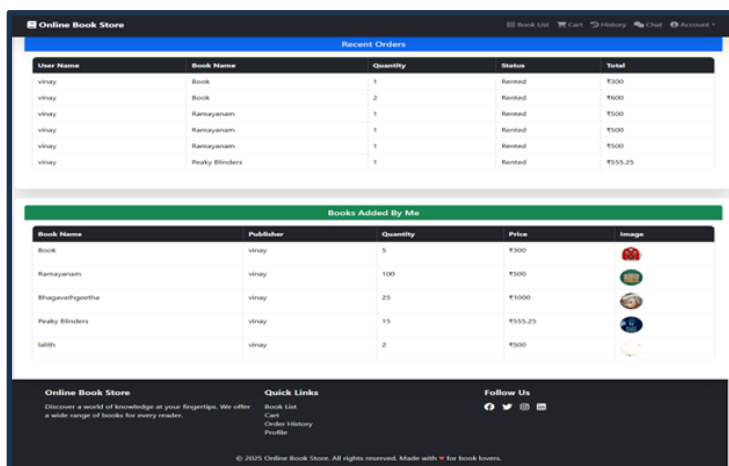


Fig16: History

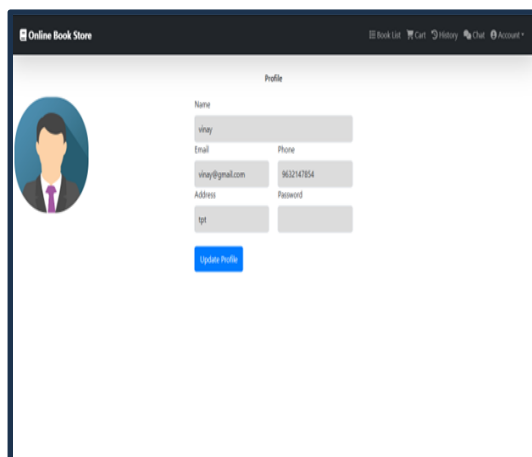


Fig17: Update profile

History screen consists of 2 sections one is recent orders – lists the user’s past transactions, including book names, quantity, rental status, and total price. Another one is books added by me – shows books uploaded by the user along with details such as publisher, quantity available, price, and images.

Update profile screen allows users to modify their details and save the changes by clicking the “Update Profile” button. This feature helps maintain up-to-date user information for seamless interactions and transactions on the platform.

V. CONCLUSION

The Online Rehashed Book Store was intended to offer a convenient, safe, and amiable platform for purchasing and selling second-hand books. The system is effective in eliminating the drawbacks of conventional book exchange by enabling users to browse, list, and buy books through the internet, without having to physically visit bookstores. The deployment was on a well-organized, modular architecture with React JS for the frontend, Spring Boot for the backend, and MySQL for database management.

System testing was stringent to ensure the platform is operational, scalable, and secure with a seamless user experience. The system effectively removes the inefficiencies of manual second-hand book exchange, and it is a cost-effective and time-efficient solution. With a highly optimized architecture and secure features, the platform is deployable in real-world applications, and books become affordable for students and book enthusiasts. The platform not only makes book transactions easy but also encourages a sustainable system by ensuring book reuse, minimizing waste, and making educational resources more accessible.

The inclusion of secure payment gateways, user authentication, and an intuitive interface further enhances the usability and reliability of the system. Moreover, extensive testing and validation have proven the system's efficacy, security, and stability, making it deployable in actual applications. Future development, such as AI-driven recommendations, real-time chat support, and an integrated logistics system, can further enhance user experience and operational efficiency. In summary, this effort adds to the digitalization of second-hand book exchange, offering a low-cost, scalable, and eco-friendly solution that benefits students, book lovers, and the environment.

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