

DEPARTMENT OF “BACHELOR OF COMPUTER APPLICATION” NESS WADIA COLLEGE
OF COMMERCE PUNE
ACADEMIC YEAR 2024-2025
SEMESTER – V

A
PROJECT REPORT ON
“*ONLINE BOOK STORE..*”

SUBMITTED TO
SAVITRIBAI PHULE PUNE UNIVERSITY
SUBMITTED BY
Rajpal Singh Rathore
&
Shweta Verma

UNDER THE GUIDANCE OF PROF.
Seema Purandare
&
Ashwini Waghmare

ACKNOWLEDGEMENT

I would wish to thank all the people who have helped to make this project possible. A project for a student is an experience, in the course of which he/she realizes the real-world problems that one has to undergo during the development of any project. Hence without the help and guidance of our teachers, this project wouldn't have been successful. We are grateful to them for supporting us throughout the Design, Implementation and Evaluation phase of the project.

We extend our heartfelt gratitude to our guides, YouTube tutorials, and ChatGPT for their invaluable assistance throughout the development of this project. Their insightful guidance and support have been instrumental in navigating the various challenges encountered along the way.

We extend our heartfelt gratitude to Professor Seema Purandare & Ashwini Waghmare for her invaluable guidance, unwavering support, and insightful ideas throughout the duration of this project. Professor Purandare and Waghmare expertise, encouragement, and constructive feedback have been instrumental in shaping our understanding and approach towards developing our project.

Yours Sincerely,
Rajpal Singh & Shweta Verma

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INTRODUCTION

The "Online Book Store" project, innovation platform catering for the different needs of book lovers. A complete solution for buying, selling, and renting books, making it one-stop destination for all activities related to books.

Whether you are an avid reader eager to expand your collection or a seller who wants his book to reach out to a larger audience or maybe someone interested in renting books for a short period, our website is designed according to your needs and expectations.

Problem Definition

"Many existing online bookstores lack a comprehensive platform that allows users to perform all book-related activities in one place. Typically, there are separate platforms for buying and selling books, with few options available for renting. Renting books is essential because when we purchase a new book, we often read it only once, and it may lose its value thereafter. Without a proper platform to sell or rent unused books, they simply go to waste. Furthermore, there are very few platforms that offer e-books and audiobooks alongside buying, selling, and renting. Therefore, there is a significant need for a one-stop solution that facilitates all book-related activities on a single platform."

1.2. Need for the new system

1. **Fragmented Services:** Existing online bookstores operate in silos, offering distinct services for buying, selling, and renting books. This fragmentation can be inconvenient for users who have to navigate multiple platforms to fulfill different needs. A unified platform would streamline the user experience, saving time and effort.
2. **Underutilization of Books:** The observation that many purchased books are read only once suggests a significant waste of resources. A system that allows users to rent or sell their books can help maximize their value. By enabling the sharing economy within the book community, users can benefit from books they might not otherwise use again.
3. **Lack of Renting Options:** The text emphasizes that renting books is essential, especially for those who do not wish to retain every book they read. This indicates a gap in the market, as current platforms may not

adequately support users who prefer temporary access to books rather than ownership.

4. **E-books and Audiobooks Integration:** The limited availability of e-books and audiobooks alongside physical book transactions is another crucial point. As digital formats grow in popularity, a comprehensive platform that offers all formats—physical, e-books, and audiobooks—can attract a wider audience and cater to diverse reading preferences.
5. **Sustainability and Circular Economy:** Encouraging the renting and selling of books aligns with sustainability efforts, reducing waste and promoting a circular economy. A new system could contribute to environmental goals by extending the life cycle of books.

Project Scope

Defining the project scope for a comprehensive book-related platform involves outlining the features, functionalities, and boundaries of the project. Here's a proposed project scope based on the identified needs:

Project Scope

1. Platform Features

- **User Accounts:** Allow users to create profiles for personalized experiences, including tracking their reading history and preferences.
- **Buying and Selling Books:** Facilitate transactions for new and used physical books, with user-friendly listings and search functionality.
- **Book Rentals:** Implement a system for users to rent physical books, including rental duration options and pricing models.
- **E-books and Audiobooks:** Offer a selection of digital formats alongside physical books, allowing users to purchase, rent, or access subscription services for e-books and audiobooks.
- **Search :** Provide advanced search capabilities for the users.

2. Technical Considerations

- **Responsive Design:** Ensure the platform is accessible on various devices (desktops, tablets, smartphones).
- **Inventory Management:** Develop a backend system for managing book listings, rental periods, and stock availability.

Feasibility Study for Comprehensive Book-Related Platform

1. Technical Feasibility

Overview: This section assesses whether the proposed technology and resources are sufficient to build and support the platform.

Key Considerations:

- **Technology Stack:** Identify suitable technologies for front-end (e.g., HTML, CSS, Javascript), back-end (e.g., Node.js, PHP), and database management (e.g., MySQL, MongoDB).
- **Development Tools:** Determine the necessary tools for version control (e.g., VSCode).
- **Security Measures:** Plan for data encryption, secure user authentication, and compliance with regulations (e.g., GDPR, CCPA).

Conclusion: With the current technology landscape and available resources, the project is technically feasible. The chosen technologies can support the platform's requirements, and the necessary integrations are achievable.

2. Operational Feasibility

Overview: This section assesses the ability of the organization to implement and maintain the platform effectively.

Key Considerations:

- **Operational Processes:**
 - Define processes for onboarding users, managing transactions, and handling customer inquiries.
 - Develop workflows for listing and managing inventory (books) on the platform.
- **Scalability:**
 - Evaluate the platform's ability to scale with increasing user numbers and transactions without compromising performance.

Hardware and Software Requirements

• HARDWARE REQUIREMENTS:

The minimum requirements of hardware are as follows:- RAM: 2GB.

Processor: Intel(R) Core(TM) i5-4200U CPU @ 1.60GHz 1.60 GHz. HDD: 512GB and

above.

SDD: 128GB

- **SOFTWARE REQUIREMENTS:**

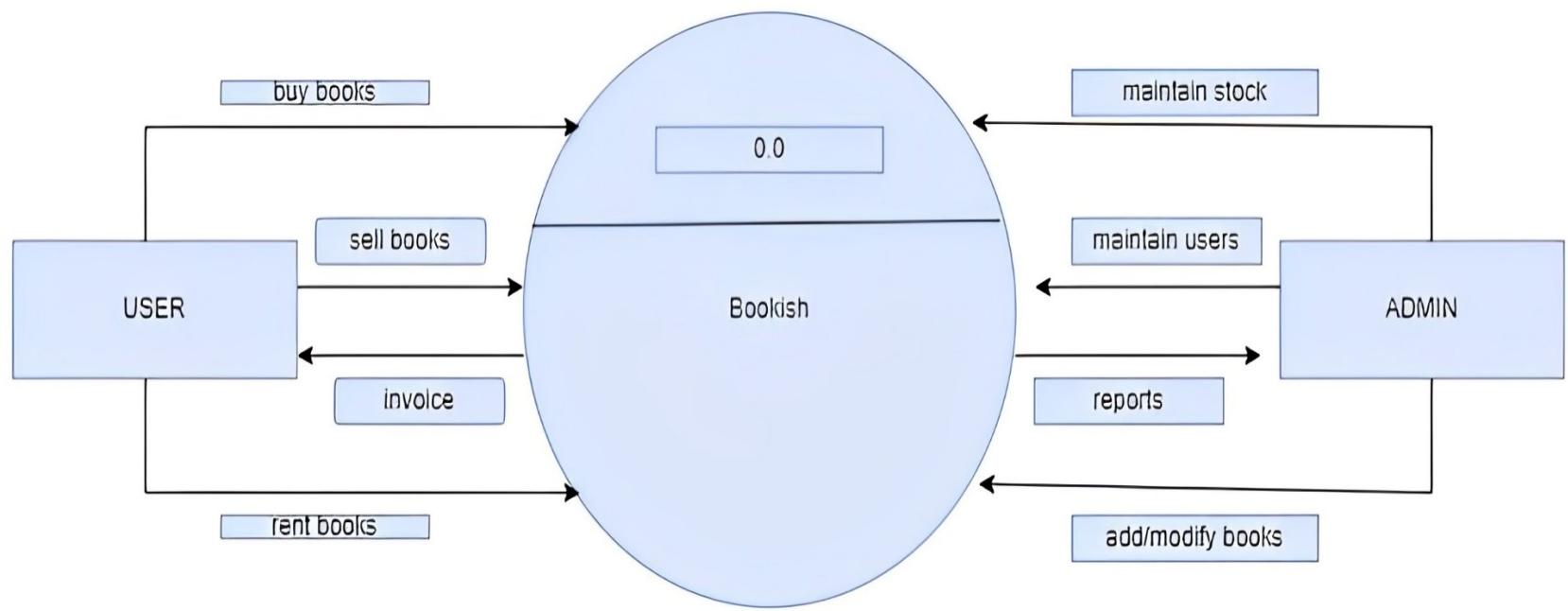
Front End:- HTML, CSS, JavaScript, PHP.

Back End:- PHP ,SQL.

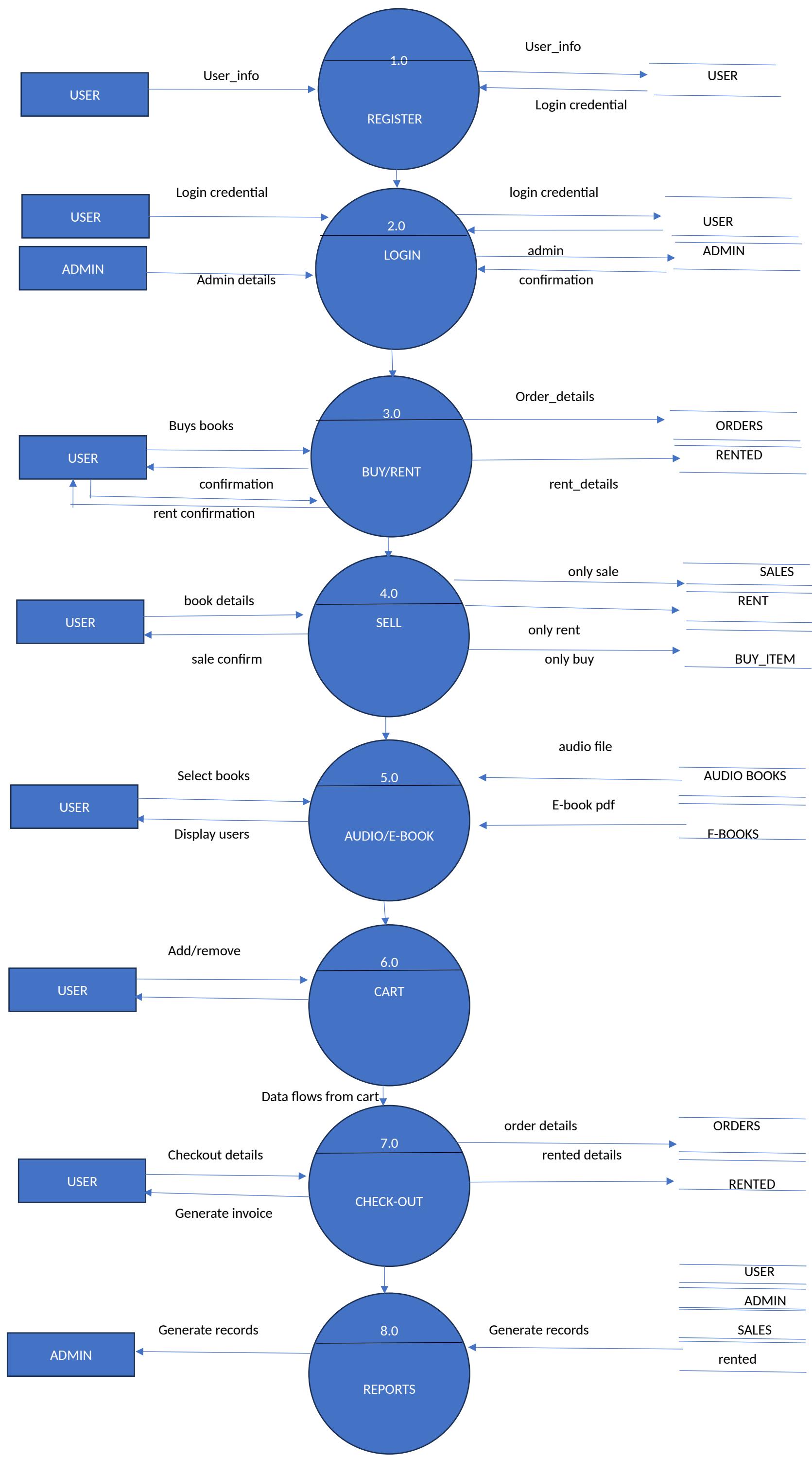
Platform:- Windows 10, Visual Studio, Notepad, Google Chrome, Microsoft Edge.

Design

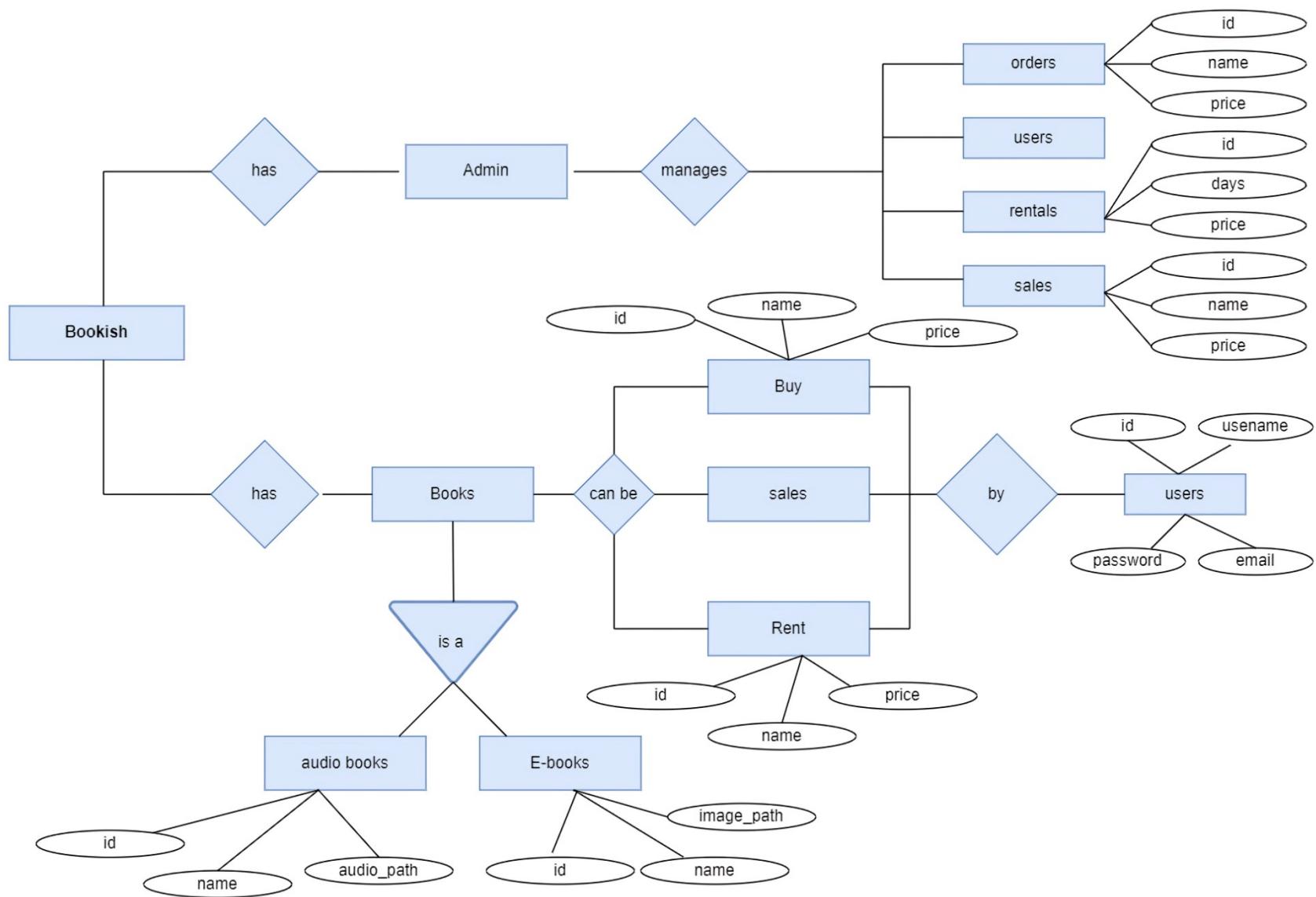
CONTEXT/Oth LEVEL DFD



1ST LEVEL DFD



ER DIAGRAM



A DICTIONARY

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l_name	Varchar(255)
Email	Varchar(255)
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E_Book

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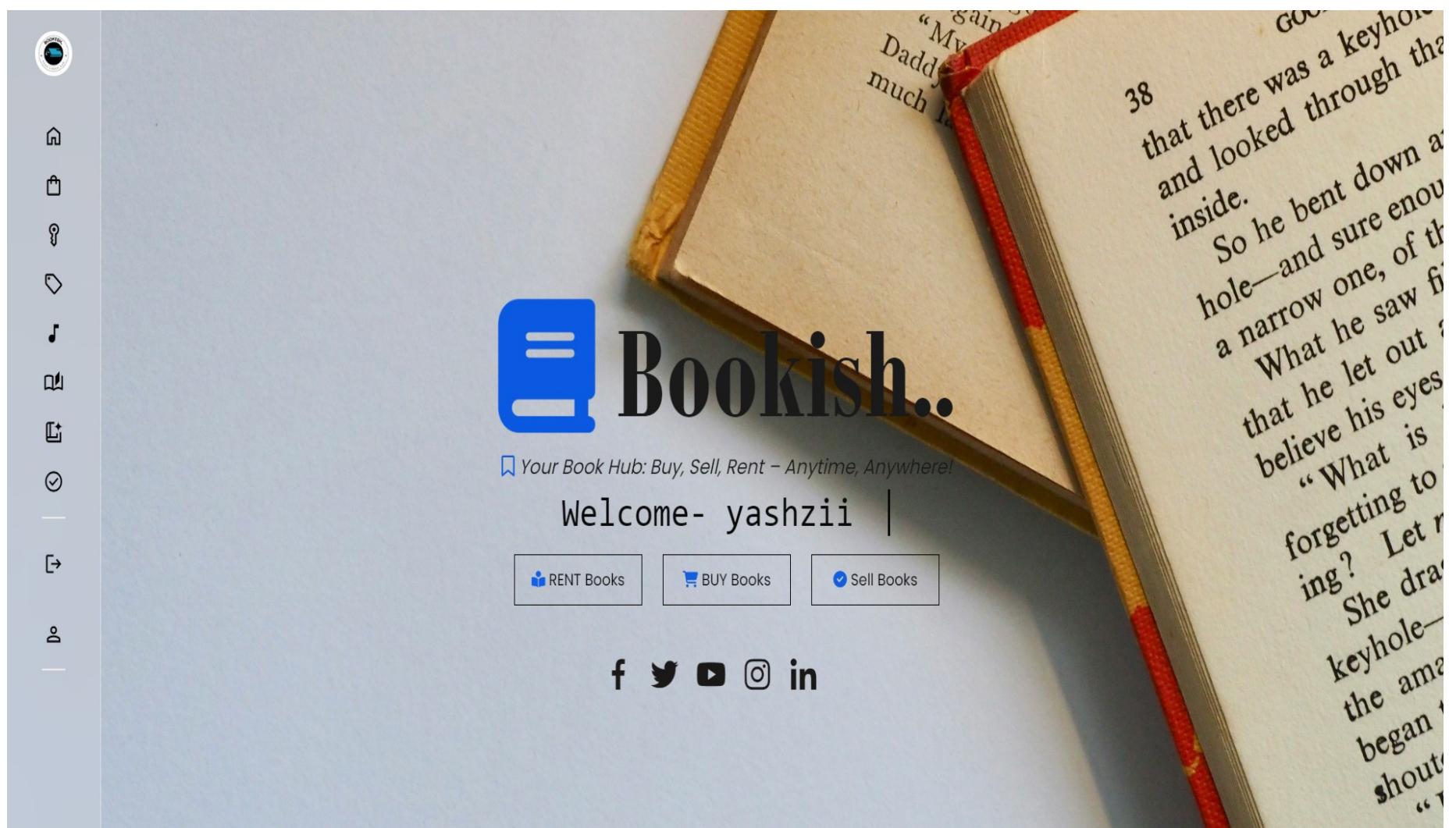
Sales

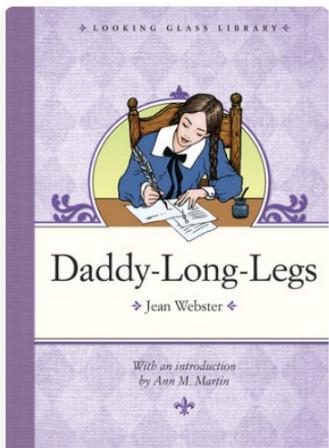
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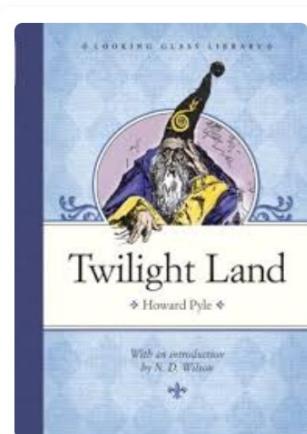
SCREENSHOTS





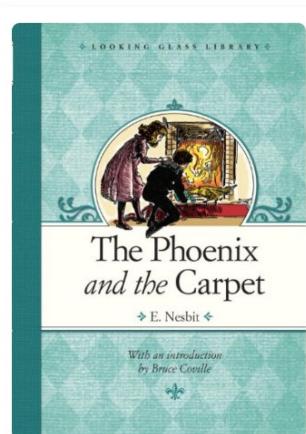
Daddy-Long-Legs

"Daddy-Long-Legs" is a novel by Jean Webster, first published in 1912. The story follows Judy Abbott, an orphan who receives a scholarship to attend college from an anonymous benefactor whom she nicknames "Daddy-Long-Legs" due to his long legs that she glimpses as he leaves her orphanage. The novel is told through a series of charming and humorous letters from Judy.



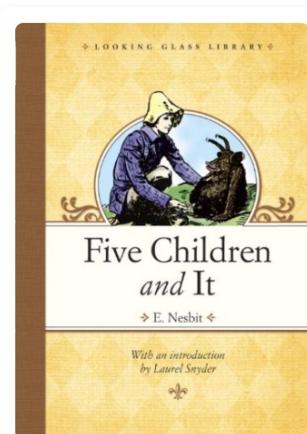
Twilight Land

"Twilight Land" is a fantasy novel by Mabel H. McFarlane, published in 1916. The story follows a young girl named Maud who, feeling disconnected from the world around her, discovers a magical realm called Twilight Land. In this enchanting place, she encounters various whimsical characters and



The Phonix and the Carpet

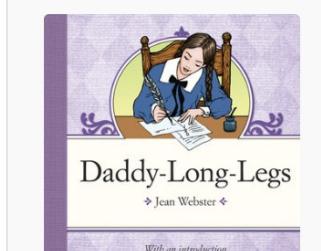
"The Phoenix and the Carpet" is a children's novel by E. Nesbit, published in 1904. The story follows the adventures of the Bastable children—Dora, Ivan, Cyril, and Anthea—who discover a magical carpet that has the power to fly. Alongside the carpet, they



Five Childern and IT

"Five Children and It" is a children's novel by E. Nesbit, first published in 1902. The story follows five siblings—Anthea, Cyril, Robert, Jane, and the baby brother known as the Lamb—who discover a magical creature known as a Psammead (a sand fairy) while

Available Books for Rent



Daddy-Long-Legs

Description: "Daddy-Long-Legs" is a novel by Jean Webster, first published in 1912. The story follows Judy Abbott, an orphan who receives a scholarship to attend college from an anonymous benefactor whom she nicknames "Daddy-Long-Legs" due to his long legs that she glimpses as he leaves her orphanage. The novel is told through a series of charming and humorous letters from Judy to her mysterious sponsor.

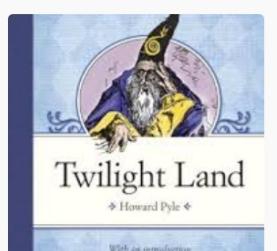
As she navigates her college life, friendships, and romantic interests, Judy's i

Original Price: ₹300

Rent Price: ₹3.00 per day

Available Stock: 10

Duration (days, maximum 45):



Twilight Land

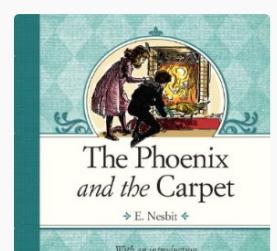
Description: "Twilight Land" is a fantasy novel by Mabel H. McFarlane, published in 1916. The story follows a young girl named Maud who, feeling disconnected from the world around her, discovers a magical realm called Twilight Land. In this enchanting place, she encounters various whimsical characters and experiences adventures that challenge her understanding of reality and imagination.

Original Price: ₹250

Rent Price: ₹2.50 per day

Available Stock: 10

Duration (days, maximum 45):



The Phonix and the Carpet

Category: New

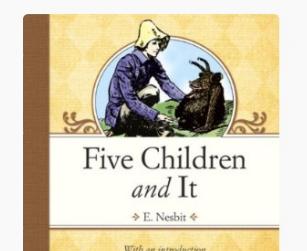
Description: "The Phoenix and the Carpet" is a children's novel by E. Nesbit, published in 1904. The story follows the adventures of the Bastable children—Dora, Ivan, Cyril, and Anthea—who discover a magical carpet that has the power to fly. Alongside the carpet, they encounter a phoenix, a mythical bird that is reborn from its ashes.

Original Price: ₹450

Rent Price: ₹4.50 per day

Available Stock: 10

Duration (days, maximum 45):



Five Childern and IT

Category: New

Description: "Five Children and It" is a children's novel by E. Nesbit, first published in 1902. The story follows five siblings—Anthea, Cyril, Robert, Jane, and the baby brother known as the Lamb—who discover a magical creature known as a Psammead (a sand fairy) while

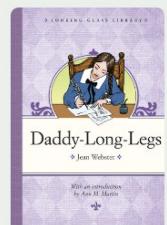
Original Price: ₹250

Rent Price: ₹2.50 per day

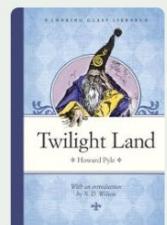
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Duration (days, maximum 45):

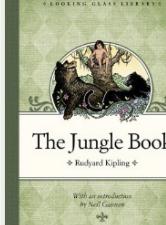
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Daddy Long Legs



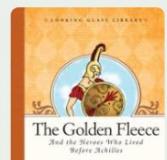
Twilight Land



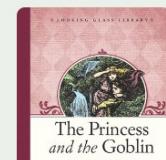
The Jungle Book



The Book of Dragons



The Golden Fleece

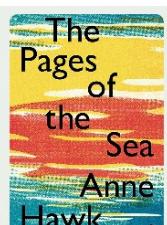


The Princess and the Goblin

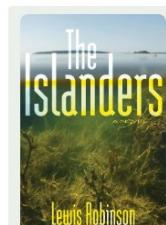
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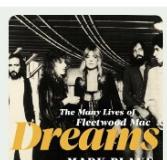
Welcome to Nowhere, Ohio



The Page of the Sea



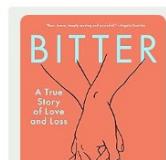
The Islanders



Dreams



Apple Vision Pro for Dummies



BITTER

Admin Dashboard

Total Registered Users Count: 3 Profit: ₹0.00	Total Books for Sale Count: 25 Profit: ₹0.00	Total Books to Rent Count: 25 Profit: ₹0.00	Total Orders Count: 5 Profit: ₹90.00	Total Rentals Count: 5 Profit: ₹35.00	Total Custom Orders Count: 7 Profit: ₹160.00

User Management

Profile	First Name	Last Name	Username	Email	Actions
	Rajpal	Singh	rajsaa	rajpalrathore4455@gmail.com	Edit Delete

Books for Sale

[Add Book](#)[Add Book for both sell and rent](#)

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84	Twilight Land	New	"Twilight Land" is a fantasy novel...	250.00		9	Edit	Delete
85	The Phonix and the Carpet	New	"The Phoenix and the Carpet" is ...	450.00		10	Edit	Delete
86	Five Children and It	New	"Five Children and It" is a childre...	250.00		9	Edit	Delete
87	The Jungle Book	New	"The Jungle Book" is a collection...	180.00		10	Edit	Delete
88	The Book of Dragons	New	"The Book of Dragons" is a char...	500.00		10	Edit	Delete

Books for Rent

[Add Book](#)[Add Book for bot sell and rent](#)

rent_items							
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31	The Phonix and the Carpet	New	"The Phoenix and the Carpet"...	450		9	Edit Delete
32	Five Childern and IT	New	"Five Children and It" is a chil...	250		10	Edit Delete
33	The Jungle Book	New	"The Jungle Book" is a collec...	180		10	Edit Delete
34	The Book of Dragons	New	"The Book of Dragons" is a c...	500		10	Edit Delete

Our - Orders

orders											
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19	rajsaa	Rapal	9175442260	makrana rajasthan	upi	620	Twilight Land, Five Childern and IT	1, 1	20	Delete	
20	rajsaa	rajsaa	9175442260	makrana rajasthan	upi	770	The Phonix and the Carpet, Five Childern and IT	1, 1	20	Delete	
21	shwetazii	shwetazii	9175442260	makrana rajasthan	debit_card	510	The Phonix and the Carpet	1	10	Delete	
22	yashzii	Yash Padwal	9175442260	wagholl, Pune	upi	520	Twilight Land, Five Childern and IT	1, 1	20	Delete	

Total Profits: ₹90

Rented - Books													
Rented Books													
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11	rajsaa	Rajpal Singh	9175442260	makrana rajasthan	debit_card	12	Twilight Land		2	2024-10-10	2024-10-12	5	<button>Delete</button>
12	rajsaa	Rajpal Singh	9175442260	makrana rajasthan	cod	25	Twilight Land, Five Childern and IT		2, 3	2024-10-11	2024-10-16	10	<button>Delete</button>
13	shwetazii	Shweta	9175442260	Dheri, Rohatas, Bihar	debit_card	20	The Phonix and the Carpet		3	2024-10-12	2024-10-15	5	<button>Delete</button>
14	yashzii	Yash Padwal	9175442260	Waghole Pune	debit_card	30	Daddy-Long-Legs, The Phonix and the Carpet		2, 3	2024-10-12	2024-10-17	10	<button>Delete</button>

Total Profits: ₹35

E-Books													
E-Books													
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3	The Page of the Sea		View PDF	<button>Edit</button> <button>Delete</button>									
4	The Islanders		View PDF	<button>Edit</button> <button>Delete</button>									
5	Dreams- Mark Blake		View PDF	<button>Edit</button> <button>Delete</button>									
6	Apple Vision Pro		View PDF	<button>Edit</button> <button>Delete</button>									
7	Bitter Sweet		View PDF	<button>Edit</button> <button>Delete</button>									

Audio Books

[Add Audio Book](#)

ID	Title	Author	Description	Image	Audio File	Actions	
2	Daddy Long Legs	Jean Webster	Daddy-Long-Legs is a classic coming-of-age novel told in the form of letters written by an orphan named Jerusha "Judy" Abbott to her benefactor, whom she has never met. The story follows Judy as she embarks on a journey to find herself, education, and independence, all while being financially supported by a mysterious man known only as "Daddy-Long-Legs." The novel explores themes of self-discovery, freedom, and the challenges of growing up.		▶ 0:00 / 18:24 ⏪ ⏴ ⏵ ⏹	Edit	Delete
3	Twilight Land	William J. Locke	Twilight Land is a novel that explores themes of adventure, fantasy, and the pursuit of happiness. Set in a fantastical world, it tells the story of a group of characters who journey through a land where the boundaries between reality and dreams blur. The protagonist embarks on a quest filled with intriguing challenges and encounters, facing personal dilemmas, moral questions, and the ultimate search for peace and fulfillment. The book is known for its vivid descriptions, enchanting settings, an		▶ 0:00 / 20:09 ⏪ ⏴ ⏵ ⏹	Edit	Delete
7	The Jungle Book	Rudyard Kipling	"The Jungle Book" is a collection of stories by Rudyard Kipling, set in the Indian jungle. The story follows Mowgli, a boy raised by wolves, as he learns about the natural world and the laws of the jungle, while encountering various animal characters like the wise panther Bagheera and the lovable bear Baloo. The book explores themes of survival, identity, and the bond between humans and nature.		▶ 0:00 / 18:33 ⏪ ⏴ ⏵ ⏹	Edit	Delete
8	The Book of Dragons	E. Nesbit	"The Book of Dragons" is a charming collection of dragon-themed stories by E. Nesbit. The book features a variety of imaginative and magical tales where dragons play central roles, often as both fearsome and friendly creatures. Through these stories, readers are transported into fantastical worlds		▶ 0:00 / 16:26 ⏪ ⏴ ⏵ ⏹	Edit	Delete

Our - Orders

orders											
ID	Username	Name	Contact	Address	Payment Method	Total Amount	Item Name	Quantity	Profit	Actions	
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19	rajsaa	Rapal	9175442260	makrana rajasthan	upi	620	Twilight Land, Five Childern and IT		20	Delete	
20	rajsaa	rajsaa	9175442260	makrana rajasthan	upi	770	The Phonix and the Carpet, Five Childern and IT		20	Delete	
21	shwetazii	shwetazii	9175442260	makrana rajasthan	debit_card	510	The Phonix and the Carpet		10	Delete	
22	yashzii	Yash Padwal	9175442260	wagholi, Pune	upi	520	Twilight Land, Five Childern and IT		20	Delete	

Total Profits: ₹90

Rented - Books

Rented Books														
ID	Username	Name	Contact	Address	Payment Method	Total	Item Name			Rent Days	Start Date	Return Date	Profit	Actions
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11	rajsaa	Rajpal Singh	9175442260	makrana rajasthan	debit_card	12	Twilight Land			2	2024-10-10	2024-10-12	5	<button>Delete</button>
12	rajsaa	Rajpal Singh	9175442260	makrana rajasthan	cod	25	Twilight Land, Five Children and IT			2, 3	2024-10-11	2024-10-16	10	<button>Delete</button>
13	shwetazii	Shweta	9175442260	Dheri, Rohatas, Bihar	debit_card	20	The Phonix and the Carpet			3	2024-10-12	2024-10-15	5	<button>Delete</button>
14	yashzii	Yash Padwal	9175442260	Waghole Pune	debit_card	30	Daddy-Long-Legs, The Phonix and the Carpet			2, 3	2024-10-12	2024-10-17	10	<button>Delete</button>

Total Profits: ₹35

Sales Dashboard

Serial No.	Username	Item Name	Category	Description	Price	Quantity	Photo	Sell/Rent Option	Name	Contact No.	Payment Method	Platform Fee	Date	Actions
10	rajsaa	Twilight	Education	hi	200	3		both	Rajpal Singh	9175442260	Debit Card	60	2024-10-11 08:13:47	<button>Delete</button>
11	rajsaa	Twilight	Education	hi	250	2		both	Rajpal Singh	9175442260	PayPal	40	2024-10-11 10:19:55	<button>Delete</button>
12	shwetazii	Twilight	New	hi	300	2		both	Rajpal Singh	9175442260	Debit Card	40	2024-10-12 11:24:52	<button>Delete</button>
13	yashzii	Daddy-Long-Legs	New	A good Book	200	1		both	Yash Padwal	9175442260	Debit Card	20	2024-10-12 20:28:04	<button>Delete</button>

Total Platform Fees (Profit): 160



Username

Password

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The screenshot shows a shopping cart summary on the Bookish.. website. The cart contains one item: "Daddy-Long-Legs" priced at ₹300.00 per unit, quantity 1. A red "Remove" button is visible next to the item. Below the cart summary, a green "Continue to Checkout" button is displayed. The background features a scenic view of mountains under a blue sky.

Daddy-Long-Legs ₹300.00 x 1 Remove

Total: ₹300

Continue to Checkout

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The screenshot shows the checkout page on the Bookish.. website. The page title is "Checkout". It displays the total amount due, which is ₹310, consisting of a subtotal of ₹300 and platform fees of ₹10. The page includes fields for "Username" (yashzii), "Name" (Yash Padwal), "Contact Number" (9175442260), "Shipping Address" (wagholi, Pune), and "Payment Method" (UPI). A green "Place Order" button is located at the bottom of the form.

Checkout

Daddy-Long-Legs (Quantity: 1) - ₹300.00

Subtotal: ₹300

Platform Fees: ₹10

Total: ₹310

Username:
yashzii

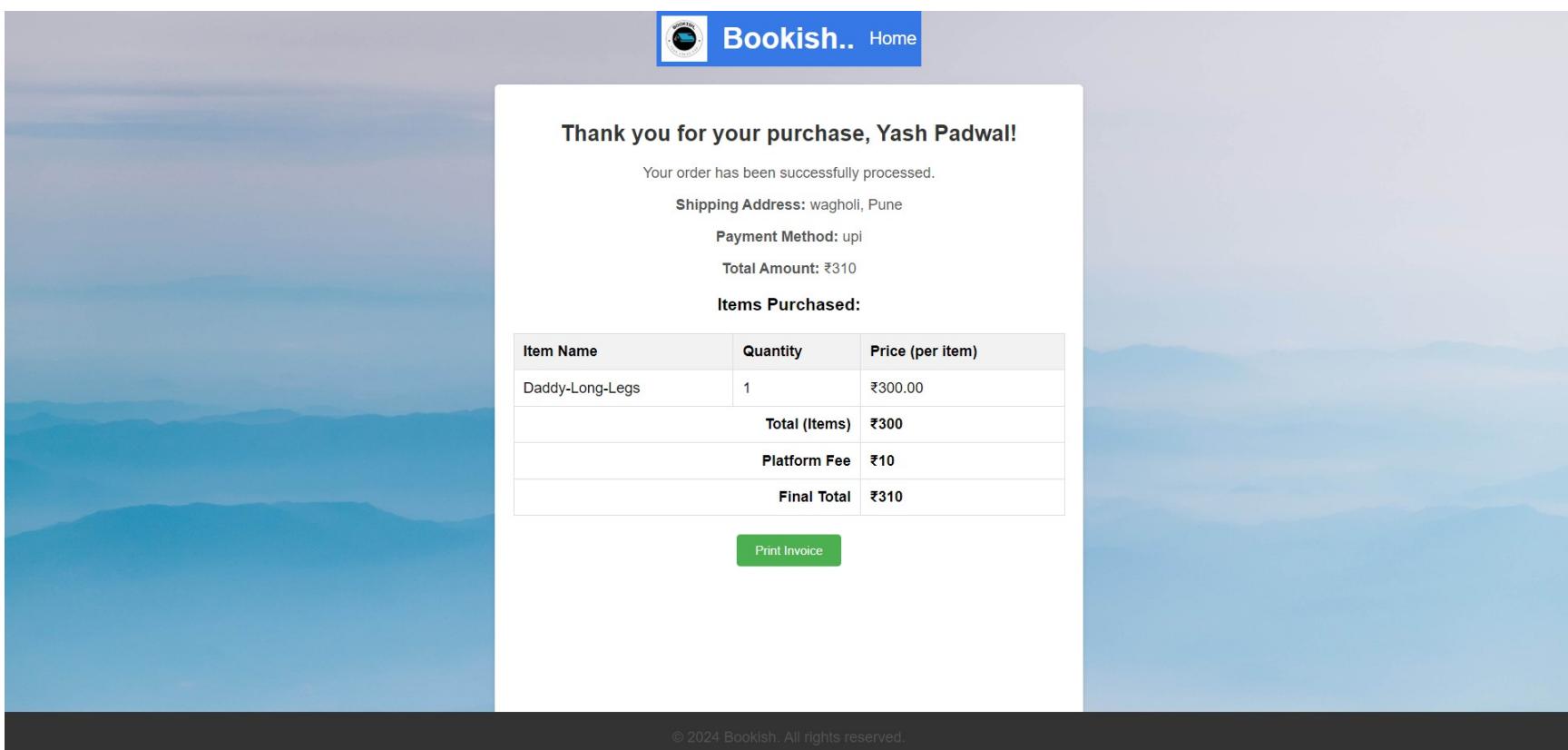
Name:
Yash Padwal

Contact Number:
9175442260

Shipping Address:
wagholi, Pune

Payment Method:
UPI

Place Order



 Bookish.. [Home](#)

Thank you for your purchase, Yash Padwal!

Your order has been successfully processed.

Shipping Address: wagholi, Pune

Payment Method: upi

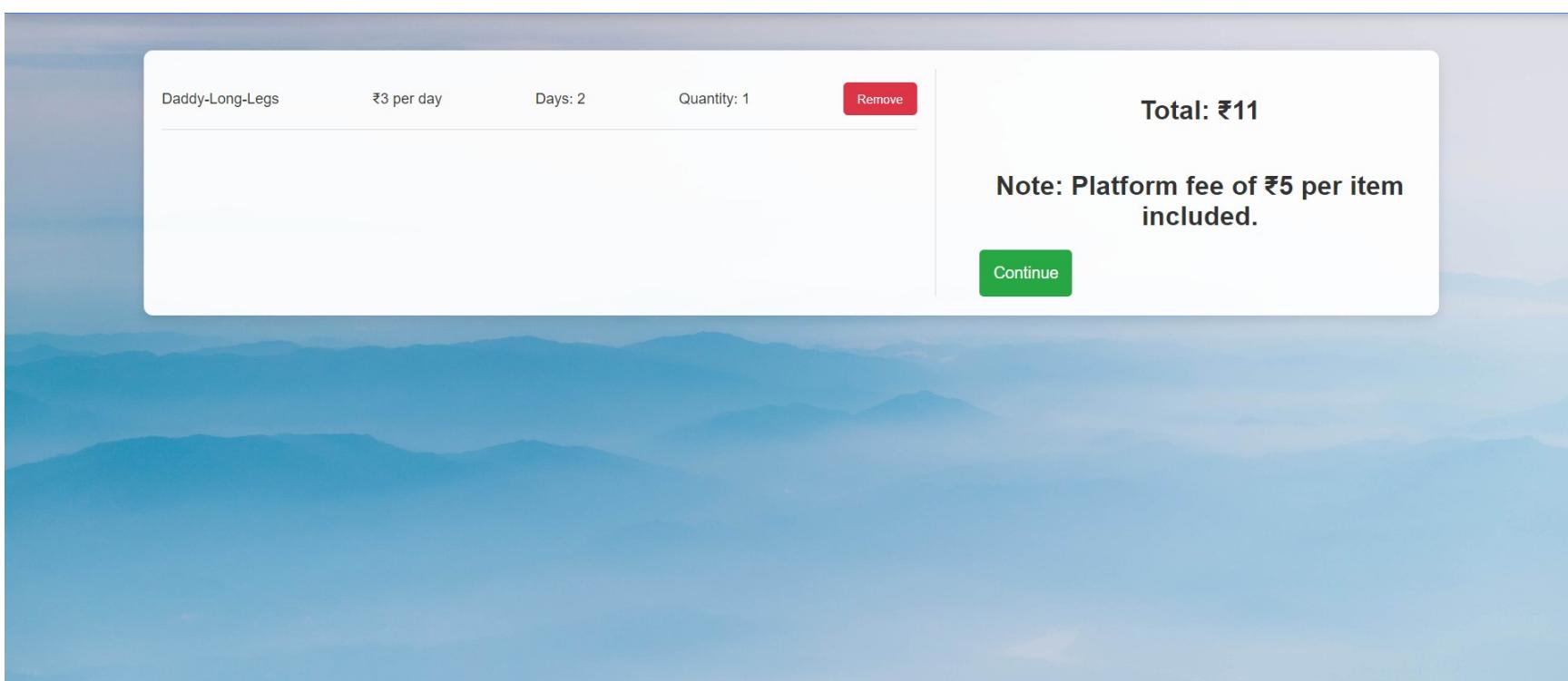
Total Amount: ₹310

Items Purchased:

Item Name	Quantity	Price (per item)
Daddy-Long-Legs	1	₹300.00
		Total (Items) ₹300
		Platform Fee ₹10
		Final Total ₹310

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Daddy-Long-Legs	₹3 per day	Days: 2	Quantity: 1	Remove
-----------------	------------	---------	-------------	------------------------

Total: ₹11

Note: Platform fee of ₹5 per item included.

[Continue](#)

Checkout

- Daddy-Long-Legs (Days: 2, Quantity: 1) - ₹3 per day - Total (including platform fee): ₹11

Total (including platform fee): ₹11

Username:

yashzii

Name:

Yash Padwal

Contact Number:

9175442260

Shipping Address:

wagholi, Pune

Payment Method:

Debit Card

Place Order

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Thank You for Your Rental!**Rental Date:** 2024-10-12**Return Date:** 2024-10-14**No. of Days:** 2**Customer Name:** Yash Padwal**Shipping Address:** wagholi, Pune**Rent Amount:** ₹6**Platform Fees:** ₹5**Total Rent Amount:** ₹11**Books Rented:**

Daddy-Long-Legs

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Enter Book details To Sell Or Rent**Item Name:****Category:** Select category**Description:****Price:****Quantity:****Photo:****Enter Book details To Sell Or Rent****Item Name:****Category:** Select category**Description:****Price:****Quantity:****Photo:**

Enter Book details To Sell Or Rent

Item Name:

Category:

Description:

Price:

Quantity:

Photo:



Bookish

Order Date: 2024/10/12
Order #: 11

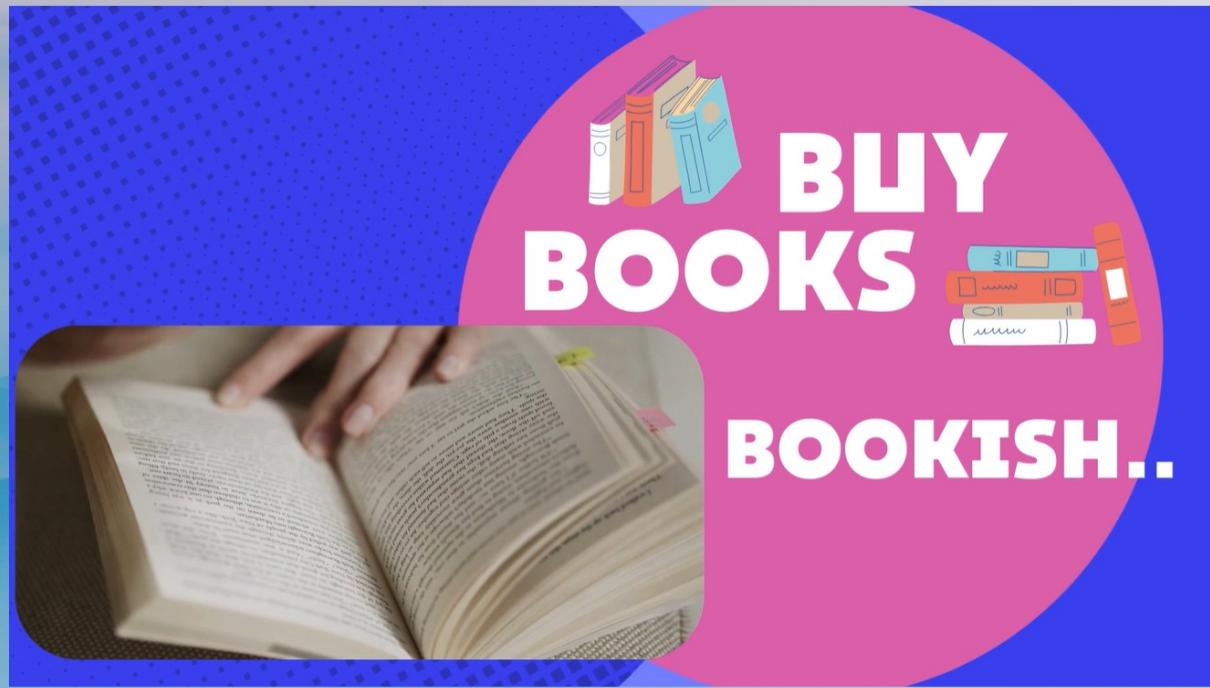
Shipping Address:

Yash Padwal
Wagholi,Pune
Contact: 9175442260

Bookish.., Inc.
infobookish@gmail.com
+91 9175442260

Payment Method	Credit_card
Book Details	Amount
Book Name: Daddy Long Legs	₹20
Author(s): Jean Webster	
Category: New	
Quantity: 2	
	Total: ₹20

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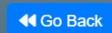


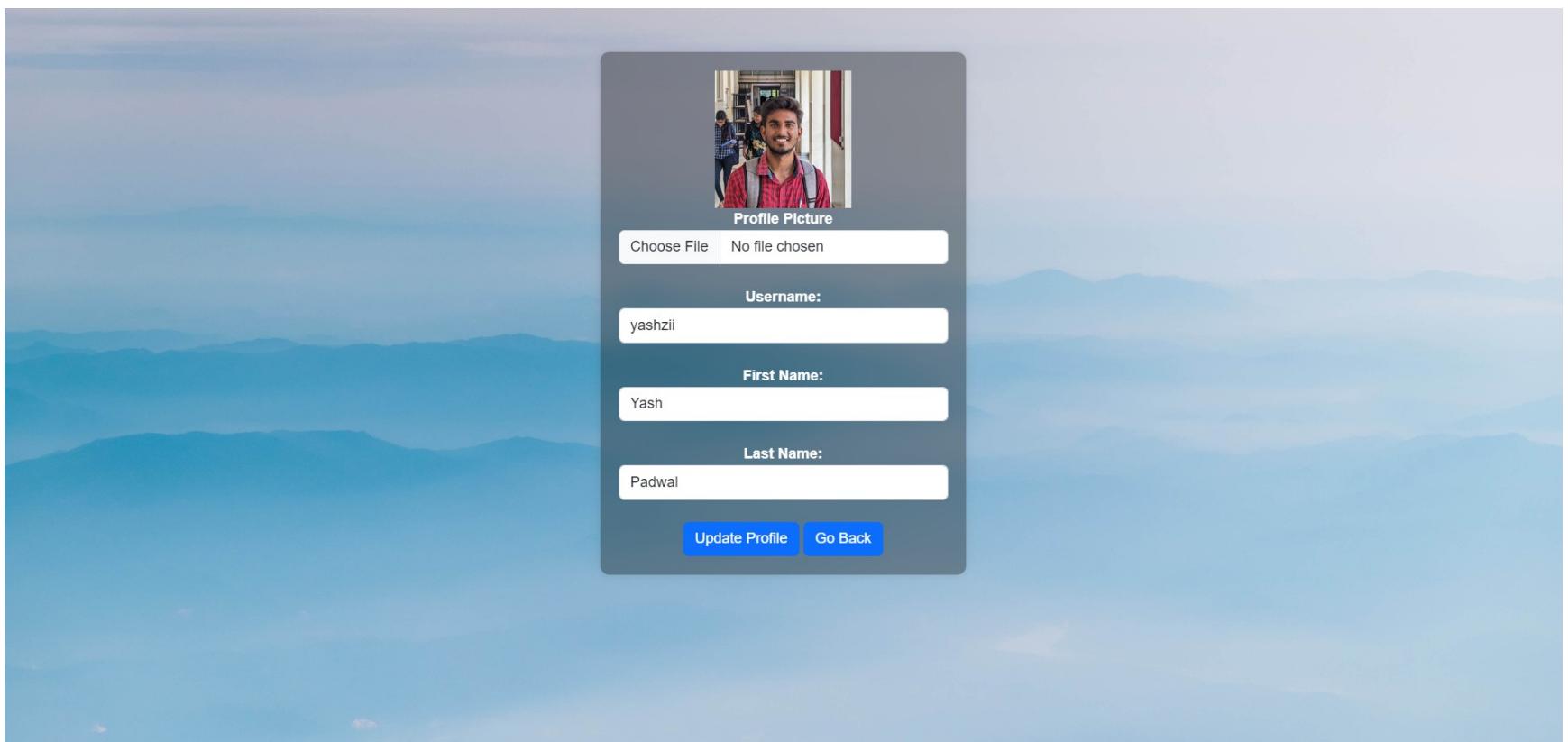
 User Profile



yashzii

First Name: Yash
Last Name: Padwal
Email: yash@gmail.com

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Bookish! [Home](#) [Your Orders](#) [Your Rentals](#) [Your Sales](#) [Your Custom Orders](#)

Your Orders X

Order #	Item Name	Quantity	Total Amount	Payment Method
22	Twilight Land, Five Children and IT	1, 1	520	upi
23	Twilight Land	1	260	credit_card
24	Daddy-Long-Legs	1	310	upi

Close

yashzii

First Name: Yash
Last Name: Padwal
Email: yash@gmail.com

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```
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

// Fetch products where quantity is greater than or equal to 1
$sql = "SELECT * FROM buy_items WHERE qty >= 1";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    while ($row = $result->fetch_assoc()) {
        echo "<div class='product' data-name='" . strtolower($row['item_name']) . "'>";
        echo "<img src='uploads/" . $row['photo'] . "' alt='" . $row['item_name'] . "' loading='lazy'>";
        echo "<h3>" . $row['item_name'] . "</h3>";
        echo "<p>" . $row['description'] . "</p>";
        // Display category
        echo "<p>Category: " . $row['category'] . "</p>";
        // Display price and stock
        echo "<p>Price: " . $row['price'] . "</p>";
        echo "<p>Available Stock: " . $row['qty'] . "</p>";
        echo "<form action='cart.php' method='post'>";
        echo "<input type='hidden' name='item_id' value='" . $row['id'] . "'>";
        echo "<input type='hidden' name='item_name' value='" . $row['item_name'] . "'>";
        echo "<input type='hidden' name='price' value='" . $row['price'] . "'>";
        echo "<button type='submit' name='add_to_cart' onclick='showModal()>Add to Cart</button>";
        echo "</form>";
        echo "</div>";
    }
} else {
    echo "No items available";
}

$conn->close();
?>
```

```
// Function to add item to cart
function addToCart($itemId, $itemName, $itemPrice) {
    // Check if item already exists in cart
    if (isset($_SESSION['cart'][$itemId])) {
        // Increment quantity if item already exists
        $_SESSION['cart'][$itemId]['quantity]++;
    } else {
        // Add new item to cart
        $_SESSION['cart'][$itemId] = array(
            'name' => $itemName,
            'price' => $itemPrice,
            'quantity' => 1
        );
    }
}

// Function to remove item from cart
function removeFromCart($itemId) {
    if (isset($_SESSION['cart'][$itemId])) {
        unset($_SESSION['cart'][$itemId]); // Remove item from cart
    }
}

// Function to calculate total price of items in cart
function calculateTotal() {
    $total = 0;
    foreach ($_SESSION['cart'] as $item) {
        $total += $item['price'] * $item['quantity'];
    }
    return $total;
}
```

```

<?php
    if (mysqli_num_rows($result) > 0) {
        while ($row = mysqli_fetch_assoc($result)) {
            // Calculate rent price
            $rentPrice = $row['price'] * 0.05;
            if ($rentPrice > ($row['price'] * 0.01)) {
                $rentPrice = $row['price'] * 0.01;
            }

            // Display item with quantity and highlighted rent price and stock
        }
    }

    <div class="item">
        ">
        <h3><?php echo $row['item_name']; ?></h3>
        <p>Category: <?php echo $row['category']; ?></p>
        <p>Description: <?php echo $row['description']; ?></p>
        <p>Original Price: ₹<?php echo $row['price']; ?></p>
        <p class="highlight">Rent Price: ₹<?php echo number_format($rentPrice, 2); ?> per day</p>
        <p class="stock">Available Stock: <?php echo $row['qty']; ?></p> <!-- Added stock display -->
        <form action="RentCartt.php" method="post">
            <input type="hidden" name="item_id" value="<?php echo $row['id']; ?>">
            <input type="hidden" name="item_name" value="<?php echo $row['item_name']; ?>">
            <input type="hidden" name="item_rent_price" value="<?php echo $rentPrice; ?>">
            <label for="duration">Duration (days, maximum 45):</label>
            <input type="number" name="duration" id="duration" min="1" max="45" required>
            <button type="submit" name="add_to_cart">Rent</button>
        </form>
    <...>
}

// Function to add item to cart
function addToCart($itemId, $itemName, $itemRentPrice, $duration) {
    // Generate a unique key for the cart based on item ID and duration
    $cartKey = $itemId . "_" . $duration;

    // Check if item with the same item ID and duration already exists in cart
    if (isset($_SESSION['cart'][$cartKey])) {
        // Update quantity if the same item with the same duration exists
        $_SESSION['cart'][$cartKey]['quantity']++;
    } else {
        // Add new item with unique duration to cart
        $_SESSION['cart'][$cartKey] = array(
            'name' => $itemName,
            'rentPrice' => $itemRentPrice,
            'quantity' => 1,
            'duration' => $duration // Store duration in cart
        );
    }
}

// Function to remove item from cart
function removeFromCart($itemId) {
    if (isset($_SESSION['cart'][$itemId])) {
        // Remove item from cart
        unset($_SESSION['cart'][$itemId]);
    }
}

```

Limitations

Market Competition:

The platform will face competition from established online bookstores, rental services, and e-book platforms, making user acquisition and retention challenging.

User Adoption:

Encouraging users to switch from existing platforms or adopt a new system can be difficult. Users may be hesitant to try a new service without proven reliability and a strong user base.

Inventory Management:

Managing physical book inventories can be complex, particularly with rental services. Ensuring availability, condition assessment, and timely returns will require robust processes.

Content Licensing:

For e-books and audiobooks, securing licensing agreements with publishers and authors can be time-consuming and may limit the range of available titles.

Technical Challenges:

Building and maintaining a platform with seamless integration for various functionalities (buying, selling, renting, digital formats) requires significant technical expertise and ongoing support.

Future Enhancements:

- 1. Provide a diverse selection of books across various genres.**
- 2. Enable users to filter books by categories and genres.**
- 3. Allow users to curate and manage their personalized library.**
- 4. Facilitate user feedback by enabling ratings and reviews for each book.**
- 10. Allow users to create and manage a wishlist for future reading.**

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