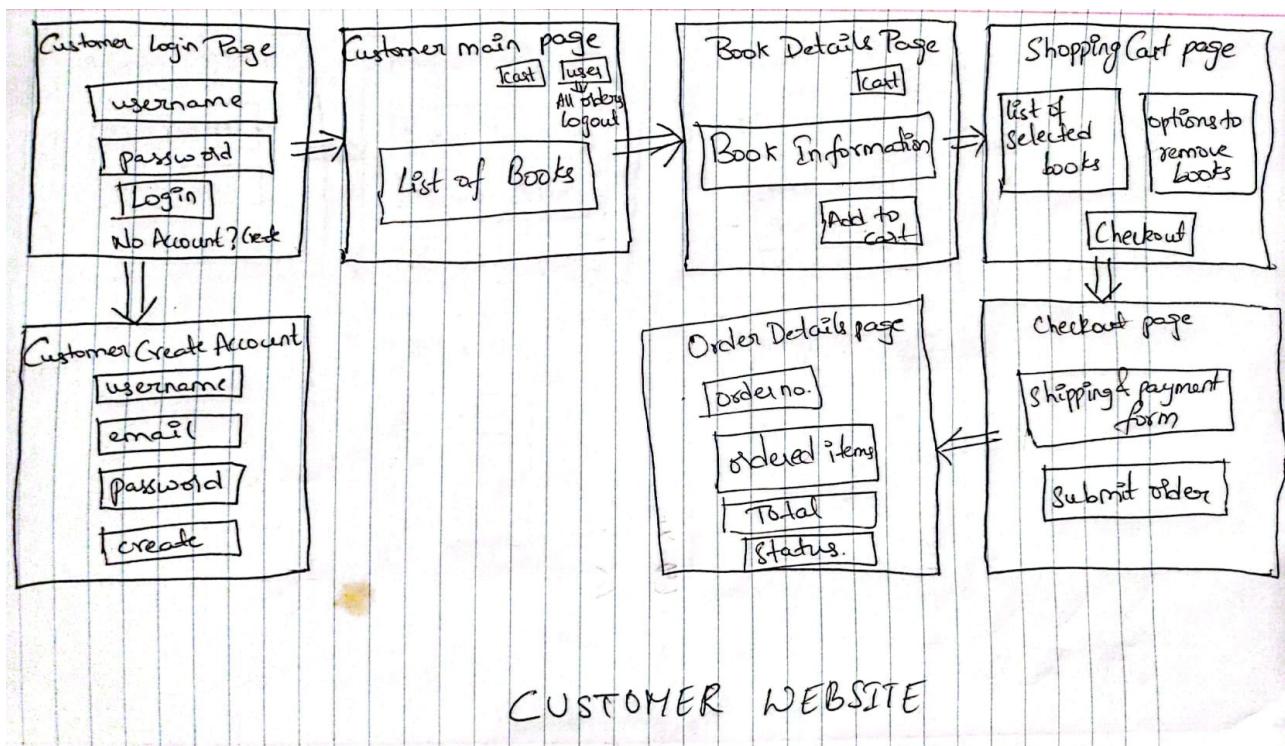
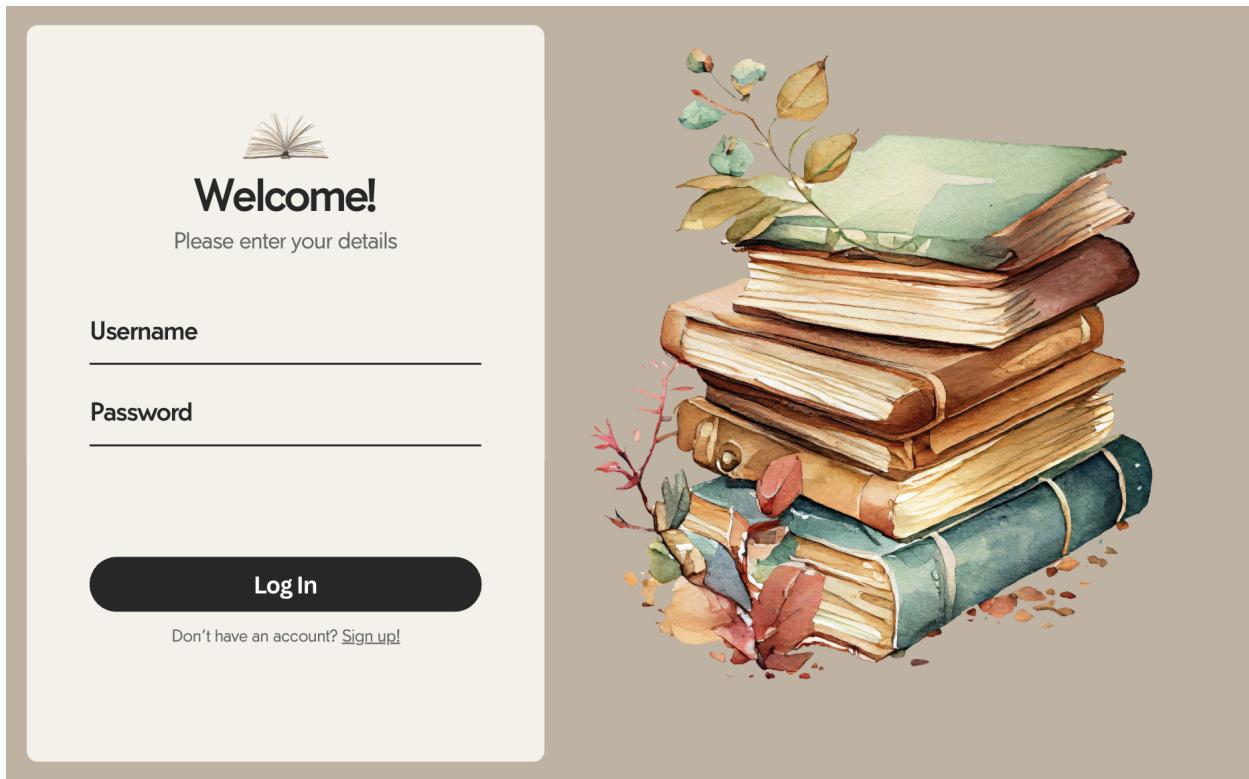


WORKFLOW FROM PAGE TO PAGE FOR CUSTOMER:



PREDICTED DESIGNS OF SCREENS MADE IN CANVA: CUSTOMER LOGIN:



CUSTOMER CREATE ACCOUNT:



Welcome!

Create your account!

Username

Email

Password

Register



Successful Registration:



Welcome!

Create your account!

Username

Email

Password

Registration Successful! Go back to login

Register

[← Back to Login Page](#)

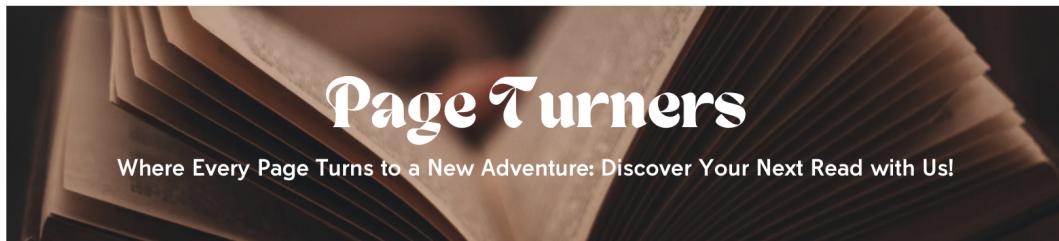


Website Main Page:

Page Turners



User User



Fantasy

Adventure

Romance

Horror

Biography

History

Travel

More



The Hobbit



Dracula



Fahrenheit 451



The Hobbit

Book Details Page:

Page Turners



User User



The Hobbit

Author: J.R.R. Tolkien

"The Hobbit," written by J.R.R. Tolkien, is a tale of high adventure that introduces us to Bilbo Baggins, an unassuming hobbit who is thrust into an epic quest. The story follows Bilbo as he joins a group of dwarves and the wizard Gandalf to reclaim the dwarves' homeland from the fearsome dragon Smaug. Along the way, Bilbo encounters trolls, goblins, elves, and the creature Gollum, where he obtains the one ring with its invisible powers. It's a journey that tests Bilbo's courage and resourcefulness, proving that even the smallest character can make a big difference. The book is celebrated for its rich storytelling, detailed world-building, and its influence on the fantasy genre.

Rating: 4.5/5

Add to Cart

- 1 +

Shopping Cart Page:

Page Turners



User User

BOOKS SELECTED	COPIES	AMOUNT
The Hobbit	- 2 +	2 20
Meluha	- 1 +	1 10
ACOTAR	- 2 +	2 20
The Book Thief	- 32 +	32 320
Total		37 370

Checkout Page:

Page Turners



User User

Enter the Shipping Address

Total Amount

370

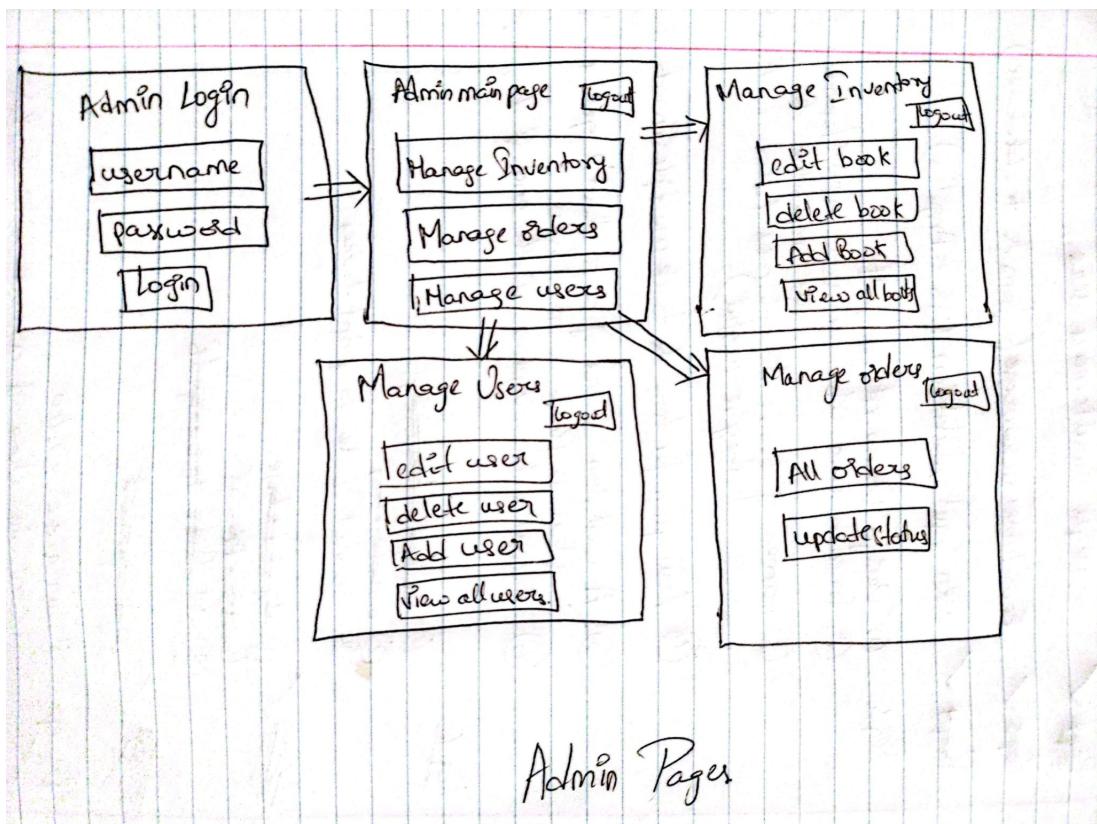
Enter the Card Details

Card Number	CVV
Expiry (MM/YY)	Zip

Submit Order

Order Placed Successfully!

WORKFLOW FROM PAGE TO PAGE FOR CUSTOMER:



PREDICTED DESIGNS OF SCREENS MADE IN CANVA:

Admin Login Page:



The predicted Admin Login page has a dark blue header with the text 'Page Turners' and 'Welcome Back!'. Below this, there are two input fields: one for 'Username' and one for 'Password'. A 'Forgot Password?' link is located above a large blue 'Login' button at the bottom.

Admin Main Page:

Page Turners

Olivia Wilson

The Admin Main Page features three rounded rectangular cards arranged horizontally. Each card contains a small illustration of a person wearing a hat and a yellow sweater, sitting at a desk and interacting with a computer monitor. The monitors display the word 'User'. Below each illustration is a label: 'Manage Inventory', 'Manager Orders', and 'Add User' respectively. The background of the page is light gray.

Admin Inventory Page:

Page Turners

Olivia Wilson

The Admin Inventory Page includes a large blue horizontal search bar with the placeholder text 'Enter Book Name'. Below the search bar are four blue circular buttons with white text: 'Add Book', 'Edit Book', 'Delete Book', and 'View all Books'. The background is light gray.

Admin users page:

Page Turners

Olivia Wilson

Enter User Name

Add User

Edit User

Delete User

View all Users

Admin Orders page:

Page Turners

Olivia Wilson

ORDER ID	ORDER DETAILS	ORDER DATE	PRICE	STATUS	UPDATE STATUS	UPDATE
					<input type="button" value="▼"/>	<input type="button" value="update"/>
					<input type="button" value="▼"/>	<input type="button" value="update"/>
					<input type="button" value="▼"/>	<input type="button" value="update"/>

Database:

USER TABLE:

```
USER (
  USER_ID INT PRIMARY KEY,
  USERNAME VARCHAR(25),
  EMAIL VARCHAR(50),
  PASSWORD VARCHAR(12),
  ACCESS VARCHAR(5))
```

BOOK TABLE:

```
BOOK (
  BOOK_ID INT PRIMARY KEY,
  BOOK_NAME VARCHAR(100),
  AUTHOR VARCHAR(100),
  CATEGORY VARCHAR(50),
  PRICE DECIMAL(10, 2),
  BOOK_URL VARCHAR(1000),
  SUMMARY VARCHAR(10000),
  RATING DECIMAL(3, 1))
```

ORDERS TABLE:

```
ORDERS (
  ORDER_ID INT PRIMARY KEY,
  USER_ID INT REFERENCES USER(USER_ID),
  ORDER_DATE DATE,
  STATUS VARCHAR(255))
```

ORDER_DETAILS TABLE:

```
ORDER_DETAILS (
  DETAIL_ID INT PRIMARY KEY,
  ORDER_ID INT REFERENCES ORDERS(ORDER_ID),
  BOOK_ID INT REFERENCES BOOK(BOOK_ID),
  BOOK_NAME VARCHAR(100) REFERENCES BOOK(BOOK_NAME),
  QUANTITY INT,
  PRICE DECIMAL(10, 2))
```

USER INPUTS/CONTROL and IMPLICATIONS FOR DATABASE FOR EACH SCREEN

1) customer_login.html

- User input for Login Tab: username, password
- User input for signup tab: username, email, password
- Control for Login tab: Login button
- Control for Signup tab: Signup button
- Implications for the database (Log in): After giving the username and password, the server checks the database USER table for the values. If they are true, the user will be redirected to customer_main.html. Otherwise, an Invalid username or password, error message appears.
- Implications for the database (Signup): After the user inputs username, email, and password, form validation is performed. Once all the validations are passed, details are stored in the USER table of the database and a message appears, saying, Signup Successful! Please Login.

2) customer_navbar.html

- This has a navbar brand (Page Turners) that redirects to the customer_main page when clicked from any website.
- To the right side, it has a cart, which shows the number of items in the cart at the time, and redirects to the customer_selected page when clicked.
- To the right of the cart, the username of the logged-in user is populated.
- when clicked on the username, a drop-down appears, which has two options All Orders, and Logout. When clicked on All Order, it redirects to the customer_orders page, and when clicked on logout the user is logged out of the session, and the customer_login page appears.
- Navbar is called from all the HTML pages and is coded in such a way that, if the user is not logged in, any page opened will be redirected to the customer_login page.

3) customer_main.html

- This page contains different tabs for different categories of books and when a tab is opened, that particular category book will appear.
- When clicked on any of the books, it will redirect to the customer_book page with the bookID.

4) customer_book.html:

- This page shows the details of the book (book image, title, author, summary, rating, price, and add to cart option)
- The add-to-cart option also has the option to select the number of books the user wants to add to the cart. At least one book should be selected to add the item to the cart.
- Once the number is selected and add-to-cart is clicked, the details of the book along with the quantity are updated to the cart. This is stored dynamically.

5) customer_selected.html:

- When the user clicks on the cart icon on the navbar, it redirects to the customer_selected page, which is the carts page.
- All the items which are previously added to the cart by the user are present. Similar to the book details page, this page also contains an option to increase or decrease the quantity of books the user wants to buy. The price will be shown accordingly.
- Once finalized, when the user clicks on the checkout button, it is redirected to the customer_checkout page.

6) customer_checkout.html:

- The customer_checkout contains inputs to enter the Shipping address and card details.
- After the user enters the details and clicks on the checkout button, the card inputs are validated, and once the validations are passed, and click on submit. The order will be submitted, an alert appeared saying so. After that, the user is automatically redirected to the customer_orders page.
- Here, the order details are stored in the ORDERS and ORDER_DETAILS table of the database.

7) customer_orders.html:

- On the customer_orders page, the server retrieved all the details of the order from the database based on the logged-in username.
- So, All the recent and previous orders along with their status can be viewed.

8) admin_login.html:

- User input for Login Tab: username, password
- Control for Login tab: Login button
- Implications for the database (Log in): After giving the username and password, the server checks the database USER table for the values with access as "ADMIN". If the condition is satisfied, the user will be redirected to admin_main.html. Otherwise, an Invalid username or password, error message appears, or if the user doesn't have access "Access denied" error message is shown.

9) admin_navbar.html:

- This has a navbar brand (Page Turners) that redirects to the admin_main page when clicked from any website.
- To the right side, the username of the logged-in user is populated.
- when clicked on the username, a drop-down appears, which has a Logout option, and when clicked on logout the user is logged out of the session, and the admin_login page appears.

- Navbar is called from all the HTML pages and is coded in such a way that, if the user is not logged in, any page opened will be redirected to the admin_login page.

10) admin_main.html:

- The admin_main page consists of three cards, which redirects to the admin_inventory page, admin_add_user page, and admin_manage_order page of the website.

11) admin_inventory.html:

- On the inventory page, there is a text box to input the book name, and 4 buttons Add book, Edit book, Delete book, and All Books. By default, all books is opened.
- Now, when clicking on any of the add, edit, or delete buttons without inputting a book name into the text box, an alert appears to input the book name.
- After inputting book name, and click on add, then a form appears to fill the book details (book name, author, category, price, url, summary, rating), and when clicking on add, the entry is added to the BOOK table in the database.
- Similarly, when edit button is clicked, a form appears with pre-filled fields with data from the BOOK table in the database. And when, edit button is clicked, the new details are updated to that book entry in the BOOK table.
- Similarly, when delete is clicked, it asks if the user confirms deletion or not, on confirmation the entry for that book is deleted from the BOOK table.
- All Books button display all the books and the various columns present in BOOK table.

12) admin_manage_order.html:

- On the manage order page, all the orders in the ORDERS table appear along with the details in the ORDER_DETAILS page.
- There is drop-down menu for updating the status, once a value from the drop-down is selected and submitted, then the status is updated for that order to the selected value in the database, and also the changed value is reflected in the status column in the manager order page.

13) admin_add_user.html:

- On the add user page, there is a text box to input the user name, and 4 buttons Add user, Edit user, Delete user, and All Users. By default, all users is opened.
- Now, when clicking on any of the add, edit, or delete buttons without inputting a user name into the text box, an alert appears to input the user name.
- After inputting user name, and click on add, then a form appears to fill the user details (username, email, password, access), and when clicking on add, the entry is added to the USER table in the database.
- Similarly, when edit button is clicked, a form appears with pre-filled fields with data from the USER table in the database. And when, edit button is clicked, the new details are updated to that book entry in the USER table.

- Similarly, when delete is clicked, it asks if the user confirms deletion or not, on confirmation the entry for that user is deleted from the USER table.
- All Users button display all the books and the various columns present in USER table.

In my current application, I've implemented user session management using AngularJS rootScope, focusing on individual sessions per browser instance. Multiple users can log in from different browser sessions, and everything will be separated even for simultaneous sessions, as everything is monitored using a username.

WORKPLAN:

estimated time requirements:

- HTML pages with CSS- 5 hrs
- JAVA servlets - 6 hrs
- Database Design - 30 mins
- Designing and preparation: 2 hrs

Actual time requirements:

- HTML pages with CSS- 7 hrs
- JAVA servlets - 10 hrs
- Database Design - 30 mins
- Designing and preparation: 4 hrs