

Online Book Store

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ABSTRACT:

Growing technology has made everything accessible at our fingertips. Be it ticket bookings, study material, entertainment things, live broadcasting and the list goes on. Students can now get easy access to books, notes, papers and journals available online. There are numerous sites which provide such materials for free. Online shopping has also become easy as users can purchase and sell things easily while sitting at their homes. Online shopping has scaled heights in a very short span of time because of its numerous benefits which includes-

- 1) Time saving- People can order things online quickly and also receive them at their doorsteps in a short span of time. With launching of prime membership such as of Amazon prime, the items get delivered less than 24 hours. The grocery items are delivered fresh within 19 mins on the site 'Blinkit'.
- 2) Variety of items- Online shopping offers a variety of items for the users and it also gives recommendations on the basis of searched items, which keeps the users engaged on the sites as they keep getting the recommendations of their interest.
- 3) Reasonable prices and offers- Items on the online shopping sites are sold at reasonable rates and timely discounts are also given on the occasions of festivals, new year.
- 4) Easy return policy- Returning an item online is very easy as there is no face to face interaction with the seller. Just by following the returning protocols item is returned back to the seller and the refunded is credited to our bank account in the next 24 business hours. All these instrumental characteristics of online shopping have resulted in the growth of online shopping sites. According to a popular website

'Doofinder.com' the most online purchased products are Fashion items followed by Tech items and books.

Books are considered to be the best friends of humans and almost every entrepreneur, businessman, student read books not only of his field but also the books outside of his field. For example a Science student will not only read books related to quantum physics, chemistry or any other branch of science but also the life stories of Great scientists (biographies), fictional and non-fictional books. Similarly an entrepreneur will not only read books related to business strategies but also the stories of successful businesspersons to learn from their experience. Our project is for such bibliophiles, who consider books as a part of themselves. Our application will provide numerous books to the book lovers at their doorstep.

Key words : Internet, e-commerce, traditional bookstore, online bookstore, website.

INTRODUCTION :

In today's tech world everything has been done online. People are connected with each other through social networking sites, people are running their businesses and earning money from trading sites, read news from editorials available online. Online study has become a common thing since the

contagious pandemic Covid-19 has hit the world. All the coaching institutes got shut down, Aspirants who were preparing for exams away from their homes had to pack their bags and return to their respective homes. Study courses were launched online but at very high prices, they remained inaccessible to majority of the aspirants. All the markets were closed at that time online book shopping turned out a boon for the students. They ordered the books online and continued their preparation. Not only students but also well settled people developed the hobby of reading during that time.

Online Shopping is basically a process where customers purchase goods or services by D2C(Direct-to-customer) mode. Customer can purchase a lot of different items using online shopping methods. Usually people buy items like cloths, electronics, books, merchandise etc. from several online shopping sites.

Our project named –BOOK WISER(Online book store) provides the users with one-stop-solution for all their literary needs

Using online bookstore websites have many benefits as there is no need for the user to take even a single step out from his house to hunt a particular book. The book of his interest can be easily purchased with using of this application while sitting at his home just with a good internet connection and a browser. This will save the energy and time of the user.

With our website user can buy or sell their books satisfactorily. The aim is to provide user with all kinds of books be it fiction, non-fiction, textbooks, workbooks, encyclopedia etc. The user must be able to purchase the desired books anytime, anywhere 24x7 with easily search and navigation and also with easy and interactive payment options. New books will be added regularly so that the books must not go out of stock. The books be from verified sellers be it bookstores or individuals and the necessary quality checks must be done before putting them for sale.

On our website people can sell and purchase their already read books also. Like any other book selling website the user will also be able to read the books. A crisp description of every book will be attached with it which will allow the users to take an overview of the book.

The purpose of Bookwiser is to create a user friendly interface and to search and navigate the desired books. Filtering option is also provided in our website to directly filter the books of one's choice. The users can create their accounts on Book Wiser and can login into it from their individual ids and passwords. After login a dashboard will be opened where a separate section for sell and purchase will be displayed. If a person wants to sell the book he can upload it in the selling section and if he wants to purchase it he can surf through the purchase section. Books of one's personal interest will be recommended.

RELATED WORK:

All the things are already pre existing on internet. If not same then a similar kind of work is there. The reason behind this is that 63%+ of the global population uses internet. Daily a lot of new content is uploaded, deleted, modified, new websites are created, new papers are published so the ideas collide. There is nothing like a unique idea on internet.

There are many pre existing sites on internet whose functionality is similar to that of our website like Amazon, snapdeal, flipkart, repro books etc. The first three are most widely used online shopping sites which allows the purchase of almost every item required. The latter site

completely deals with the selling and purchasing of books.

In these online shopping sites books occupy only a small space as they focus on other items as well like Fashion and jewelry(mostly shopped items),Tech items, Travel items etc.

These sites also not allow the users to sell and buy the already read books. Only fresh purchase and sell is available on these sites. On the other hand our website is totally devoted to books. Here the user can create his own account and get access to already read books. It is beneficial for the user because he gets the books at a cheaper rate and the content, he gets is same to that of any newly packed book which is costlier.

SYSTEM DESIGN AND IMPLEMENTATION:

- Typescript along with Angular CLI and Node is used for the design and implementation of the webpage of the project.
- PostgreSQL is used for creating the data base of the system.
- JPA(java persistence API) is used for database-server communication.
- Springboot and Hibernate are used for server side implementation.

SYSTEM DESIGN:

❖ A Home page:

This is the initial page or the primary page which is displayed after user logging in successfully. It will display all the latest books with name and image which are available in the store and it has four options Books, Contact, my Cart.

❖ BOOKS:

In this section user can see the all books available in the Store.

❖ Contact:

It has three options Name, Email. Name section should be filled with the name of customer with second name and in email section the customer need to give their emailId to get order status message.

❖ My Cart:

In My Cart the customer will be able to access a shopping cart that contains all the books they has selected. The customer will able to see the book with book name, publisher name, price, quantity and total price and customer are allowed to add or delete a book in the Cart. In the overview the My Cart contains all the books chosen by the user and total price of the selected items is displayed.

❖ Rating:

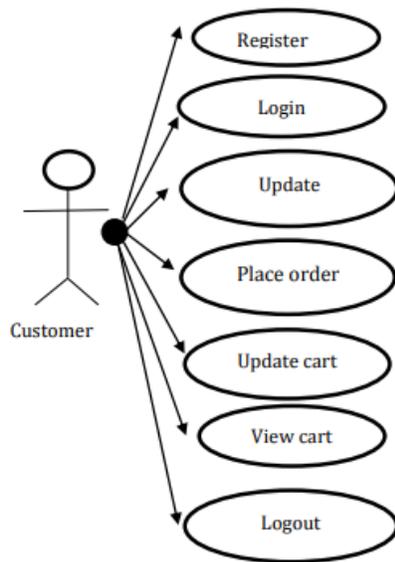
The user are having rights to give book rating based on his or her previous or last purchased history. They can rate it by giving five star for Excellent, four star for very good, three star for good, two star for normal and one star for low.

❖ Admin Login:

The Admin Login has the special functions/access like

- ◆ Adding a new book into the shop.
- ◆ Deleting the book which are not available in shop or are out of stock.
- ◆ Adding a new category of the books.

SYSTEM INTERFACE DESIGN:



Register:

Use: When the user is new and does not have an account on our site then the user will be able to create a new account.

Actor: Customer

Input: Customer must insert details in the registration form as required.

That includes

- I. User name
- II. Email address
- III. Password
- IV. Confirm password
- V. First name
- VI. Last name
- VII. Telephone
- VIII. Information of payment card

Login:

Use: If the user wants to use all the features of our Online book store they must login with their username and password.

If they are not having an account then they must register then go for login.

Actor: Customer

Input: In input they have to just provide their user name and password.

Output: If the username and password are correct then they will be redirected to the homepage and else they will get an error message 401 access denied.

Update profile:

Use: If the user wants any change in their account information, they can update their chosen fields and modify all the data in the database with updated data.

Actor: Customer

Input: User updates their account details or the field they want to update.

Output: The feature will update the details in the database using an update section.

Place an order:

Use: If the customer wants to buy a book, they can do that in a very easy way just by clicking the add to shopping cart button and inserting the sum needed under the book description.

Actor: Customer

Input: The user needs to click on the shopping cart button to add that book to cart.

Output: In output the book will be added to shopping cart.

Update Shopping Cart:

Use: The user can change the books which are added to cart and also the quantity present there before order.

Actor: Customer

Input: The customer clicks on the information button in the shopping cart collection to modify and correct the order data.

Output: The details of the updated order are displayed in the description of the shopping cart.

View Shopping Cart:

Use: When the user want to see the item that are attached in cart then by clicking the cart button you can list.

Actor: Customer

Input: At the top of the page user clicks on shopping cart butto to view all the books in cart.

Output:Shopping cart overview of the customer would show in tabular format of books and price of books.

Logout:

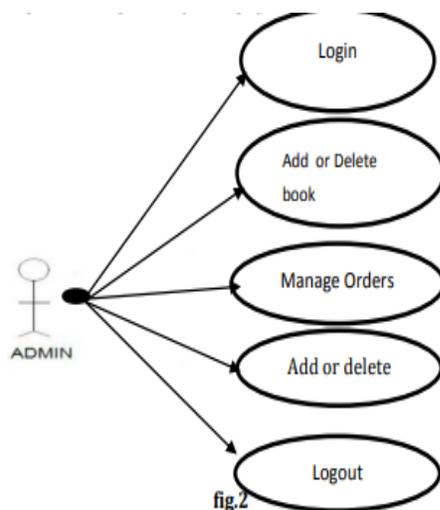
Use:When the user wants to end the session and sign out of the website, then they may use the logout method to get out of the account.

Actor: Customer

Input: Customer need to press the logout button to logout.

Output: The account session of the customer expires.

ADMINISTRATOR DESIGN:



Login:

Use: It provides the administrator to access all the functionalities of the online book store by logging into the account using username and password.

Actor: Admin

Input: Need to provide the username and password of the administrator.

Output:If the username and password are correct then they will be redirected to homepage and else they will get a error message 401 access denied .

Add or Remove books:

Use: Give the permission to the admin to add new book or remove book from the catalogue then he is able to insert a book or remove a book using the admin rights and the book details will be update in database and website.

Actor:Admin

Input: The administrator can add a book by clicking add book and giving the following details:

1. Title
2. Author
3. Price
4. Image
5. Publisher

Admin can delete book by clicking the delete button and the book will be removed from the data base and website.

Output:The new books or the changes given by user will be displayed on website under the section given by admin.

Management of the Orders:

Use: The admin can delete or add order can be done by the administrator rights.

Actor: Admin

Input: The administrator can add an order by clicking insert connection button on order tab, then the chosen order will, removed.

Output: The final order list will use in future for use.

Add or delete cc(credit card):

Use: If an admin adds or removes a CC form, the CC form may be inserted or withdrawn using administrative access, and the CC table in the website's database is changed.

Actor: Admin

Input: The administrator can either add or delete CC types by choosing and removing them from the database by clicking the insert connection button on the CC page.

Logout:

Use: When the admin wants to end the session and sign out of the website, then they may use the logout method to get out of the account.

Actor: Admin

Input: Admin need to click the logout button to logout.

Output: when the admin click the logout button account session of the admin comes to end.

Conclusion:

Online bookstore has given us many advantage as compare to physical book store, the online bookstore help user to get all the book at a single place and it helps user or consumer to save lots of time and avoid the problem we get as unavailability of book on physical store as numerous vendors from different place or city at one place.

This project is intended to assist future developers in modifying and implementing the system. It will give us the best performance as per our requirements

after modifying some techniques of the programs. The users will benefit greatly from the project.

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