

A Mini Project Synopsis on
Online Book Management
(E-BOOKMART)

T.E. - I.T Engineering

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CERTIFICATE

This to certify that the Mini Project report on **Online Book Management** has been submitted by Om Chavan (20104056), Parthavi Khatu (20104108), and Sampada Mahadik (20104092) who are the students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in Information Technology, during the academic year 2021-2022 in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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ABSTRACT

Online Book store is an online web application where the customer can purchase books online. Nowadays, the network plays an important role in people's life. In the process of the improvement of the people's living standard, people's demands of the life's quality and efficiency is more higher, the traditional bookstore's inconvenience gradually emerge, and the online bookstore has gradually be used in public. The online bookstore is a revolution of book industry. The traditional bookstores operation time, address and space is limited, so the types of books and books to find received a degree of restriction. But the online bookstore broke the management mode of traditional bookstore, as long as you have a computer, you can buy the book anywhere, saving time and effort, shortening the time of book selection link effectively. The online bookstore system based on the principle of provides convenience and service to people. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using credit card transaction. The main objective of the project is to create an online book store that allows users to search and purchase a book online based on title, author and subject. The books are divided into many categories based on subject like History, Fantasy, Comics, etc. User can also be able to make safe Payment. If any problem faced, he can contact us through mail and social media too.

TABLE OF CONTENTS

1. Introduction.....	6
1.1.Purpose.....	8
1.2.Problem Statement.....	8
1.3.Objectives.....	9
1.4.Scope.....	9
2. Literature Review.....	10
3. Proposed System.....	11
3.1. Features and Functionality.....	11
4. Requirements Analysis.....	12
5. Project Design.....	13
5.1.Use Case diagram.....	13
5.2.DFD (Data Flow Diagram)	14
5.3.System Architecture.....	15
6. Technical specification.....	23
7. Project Scheduling.....	24
8. Implementation.....	
9. Result and Discussion.....	
10. Conclusion and FutureScope.....	26

References

Chapter No: 1

INTRODUCTION

An online bookstore is a virtual store on the internet where customers can browse the catalog and select books of interest. The selected books may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. Nowadays, every technical field is trying to style human life at ease. With the rapid growth in the use of the internet and the technologies associated with it, several opportunities are coming up in the web or mobile application.

Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using credit card transaction. No formal knowledge is needed for the user to use this system. The online bookstore is a revolution of book industry. The traditional bookstores operation time, address and space is limited, so the types of books and books to find received a degree of restriction. But the online bookstore broke the management mode of traditional bookstore, as long as you have a computer, you can buy the book anywhere, saving time and effort, shortening the time of book selection link effectively.

Thus, by this all it proves it is user-friendly. Online Book Store, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their activities rather to concentrate on the record keeping.

Thus, it will help organization in better utilization of resources. An online book store is a virtual store on the Internet where customers can browse the catalog and select books of interest. This project intends different types of forms with many types of books like story, drama, romance, history, adventures, etc. it can manage studying of books online, customers can choose many types of books categories, etc. Here, the user may select desired book and view its price. The user may even search for specific books on the website.

- **Problem Identified:**

The major problem faced by customers was they generally use to go to book store or library to buy a book. Earlier customers use to found it difficult to explore the books according to their need at book store and customer also felt insecurity for online payments.

- **Solution Proposed:**

E-Bookmart will help customer to get their favourite book at their doorstep with just few clicks and will save time and transportation cost as well. By using E-Bookmart customer can be able to explore the books category wise or by entering the authors name at one place within few clicks. Customer can also be able to make safe Payment. If any problem faced, customer can contact us through mail or any social media platform.

1.1 Purpose:

Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book, later can add to the shopping cart and finally purchase using credit card transaction. The purpose of Online Book Store is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Online Book Store, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help user for better utilization of resources. The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same.

1.2 Problem Statement:

The old manual system was suffering from a series of drawbacks, Such as the entire system was to be maintained manually, the process of keeping, maintaining, and retrieving the information was very tedious and time-consuming. Maintaining the recording of registers may results into the lose of record. For searching one's record manually in the register will consume too much time. As well as it will take space for keeping the registers and books. The hazels of moving from bookshop to the other shop and not finding the books you needed makes you frustrated and time/resources consuming. This system solves the issue of wastage of time and other precious resources in search of a book. Thus online shopping not only save your time but it also saves your money by not going to visit the shop and spend money on gas and petrol.

1.3 OBJECTIVES :

- To develop user friendly interface for the customer.
- To provide category wise segmentation of books for the customers.
- To manage the details of books, payment, delivery and bills.
- To increase efficiency and management of the books.
- To manage the detailed information/summary of book.
- To integrate a simple integration to enable users to read or purchase books without stress.
- To save time and travelling cost of customer while searching for books.

1.4 SCOPE :

- Can be useful for Bookstores to increase their sales.
- Can be helpful for the customer to get their favourite book at doorstep.
- Can be used to provide wide collection of book ranges.
- To provide an essence of books/e-books via a simple and yet powerful medium
- To build an application to reduce the work for managing the Books, Customers and Payment etc.

Chapter No: 2

Literature Review

1] [3] Author 'Ms. Sonam Upadhyay' has worked on "Online Book Store". In this paper author has come across lot of websites and applications can be found when we search on google which are developed for learning purposes. But there is ambiguity in choosing the appropriate content in appropriate time. Some websites have been developed which consists of stories, novels, essays etc. Similarly, some personal blogs and websites are developed for studying purpose. Literature review for 'Online Book Store' prototype provides a guide line in developing a real system of Online Ordering Book based on user's perspective, particularly in the perspective of academic will be handled by the university's book store. This research was undertaken to provide background for the SCONUL and Jisc eBook Co-Design Project. Technology stack used in this project was HTML/CSS and JavaScript with backend SQL. Since the 1980's, when e-books first idea of this review paper, begins from writer's disappointment about online bookstore service quality in Indonesia. In overall, the writers did not satisfy towards their services.

2] [4] Author 'Mr. Shubham Zunjar' has worked on "Library management system". In this paper author came across the facts about Online search (via engines such as Google) is replacing physical search. A Library Management System is a software built to handle the primary housekeeping functions of a library. Libraries rely on library management systems to manage asset collections as well as relationships with their members. Library management systems help libraries keep track of the books and their checkouts, as well as members' subscriptions and profiles. Technology stack used in this project was HTML/CSS and JavaScript with backend firebase(cloud). This project overcame the old issues like soft copy downloading, status tracking etc. This is a latest project with latest technologies. In this project storing data was very efficient as firebase was used as an backend. The idea of this review paper, begins from writer's disappointment about online bookstore service quality in past research papers and implementations. E-service quality has turned into a quickly moving target due to the pace of competition and the ease of duplicating service features in the online world.

3] [5] Author 'Ms. Pragati Bagmare' has worked on "Online Bookshop management system". In this paper author came across the increasing significance of e-commerce is evident in the study conducted by researchers. Electronic Commerce applications support the interaction between different parties involved in a e-commerce transaction via the network, as well as the management of the data involved in the process. Technology stack used in this project was HTML/CSS and JavaScript with backend SQL. Burt and Sparks (2003) suggest that we are witnessing the harnessing of the internet to enhance business efficiencies leading to the emergence of new formats within the sale of goods. Such innovations have increased competitive pressures on traditional bricks and mortar store retailing. Aligned with the online ordering books context, many claims that the future of purchasing transaction lies in multi-channel retailing. However, even established retailers recognize the difficulty inherent in "going it alone" in the transition to an online environment. One way of overcoming this difficulty is through joining an established online portal which provides a support network through which to access this challenging environment. Online Ordering Book System is a system that sells book directly to its customers by using secure internet commerce software.

Chapter No: 3

PROPOSED SYSTEM

Features & Functionality:

- User friendly and easy to use.
 - Customer panel features allow users to find and order their favourite books within few clicks. There is no need of any kind of formal knowledge to use the application.
- Category based segmentation:
 - Customer can search their book according to its category (e.g. sports, science fiction, history, etc). The books will be displayed in perfect manner so that user can pick and order the book easily.
- Cart :
 - Customer can add his/her favourite book to cart. And after adding the book into cart customer can buy that book whenever needed.
- Search tab :
 - Customer can search for any specific book in search bar/tab. Customer can search book by entering title or authors name.
- Review Section :
 - Customer can share their Experience by rating the app and can also share their suggestions/opinion in the review section.

Chapter No: 4

Requirements Analysis :

Now there are a large number of books published with a variety of types. The system can browse the detailed information of all kinds of books. It can help customer to login the system and search the books he most wanted immediately. Then customer can manage the shopping cart of his own. On the side of the administrator, he can add the new books, modify the book information, maintain the classification of the book, manage the order of book and so on. The system is needed to have maintenance ability, strong robustness, lower cost, simple interface and easy to use.

Main Requirements:

The Main Requirements include Microsoft Visual Studio code and html/CSS to develop the web application, Firebase to design the database and Chrome/Edge as a main web browser to run the website.

Functional Requirements:

- Keeping records of registration pf customers.
- Keeping the records of book.
- Keeping the daily sells.
- Storing the feedback given by the customer.
- Keeping details about the product it is delivered or not etc.
- Storing the items selected by the customer in the temporary storage.

Non-Functional Requirements:

- Secure access of confidential data (customer's details).
- 24 X 7 availability.
- Better component design to get better performance at peak time.

Chapter No: 5

PROJECT DESIGN

- Use Case Diagram

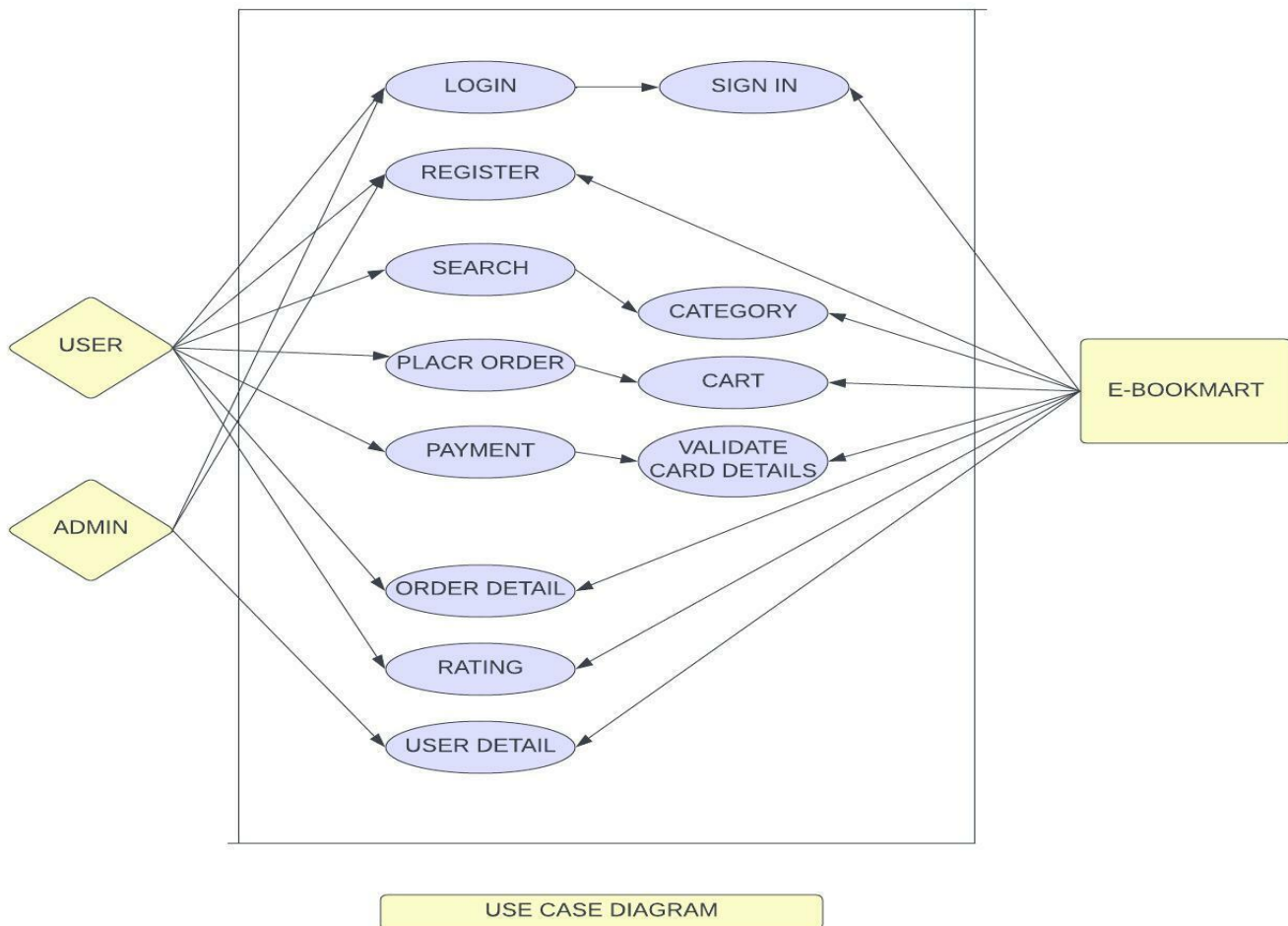


Figure 2: Use Case Diagram

- DFD (Data Flow Diagram) Diagrams

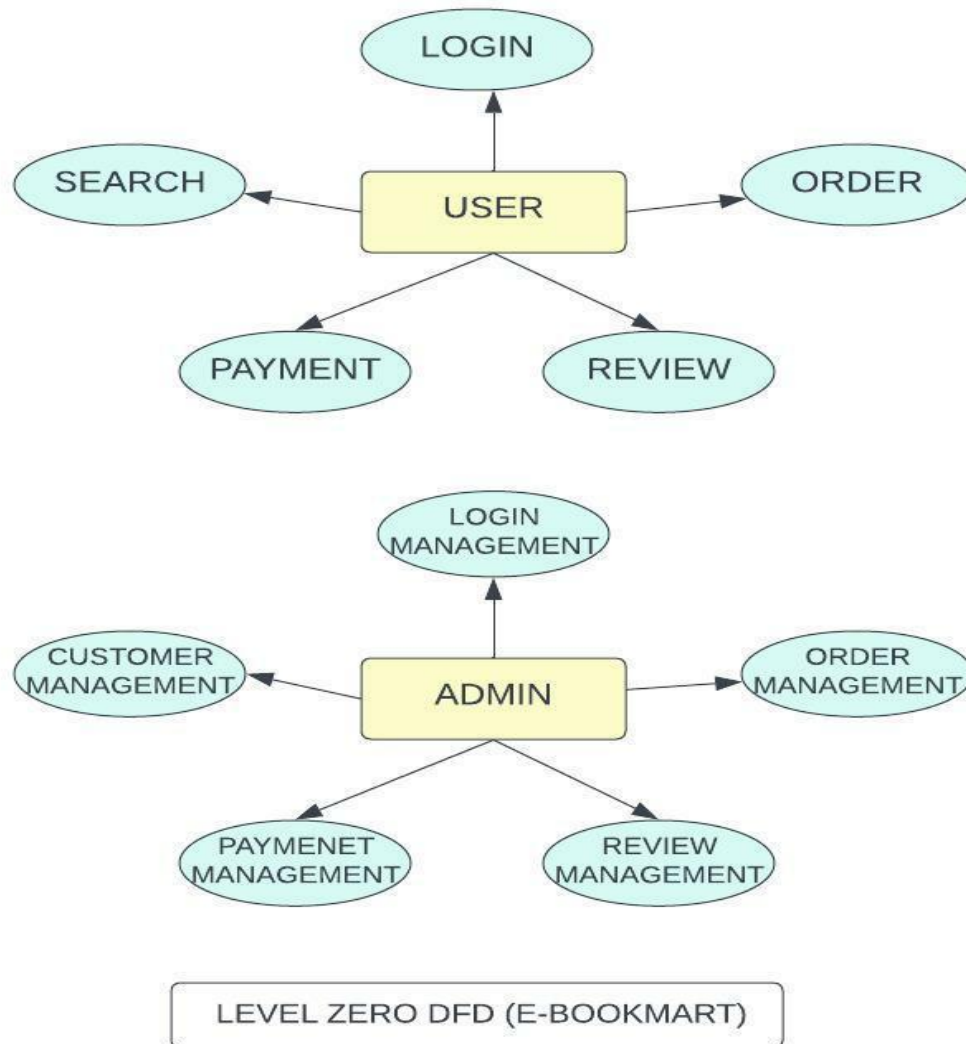


Figure 3: DFD (Level 0)

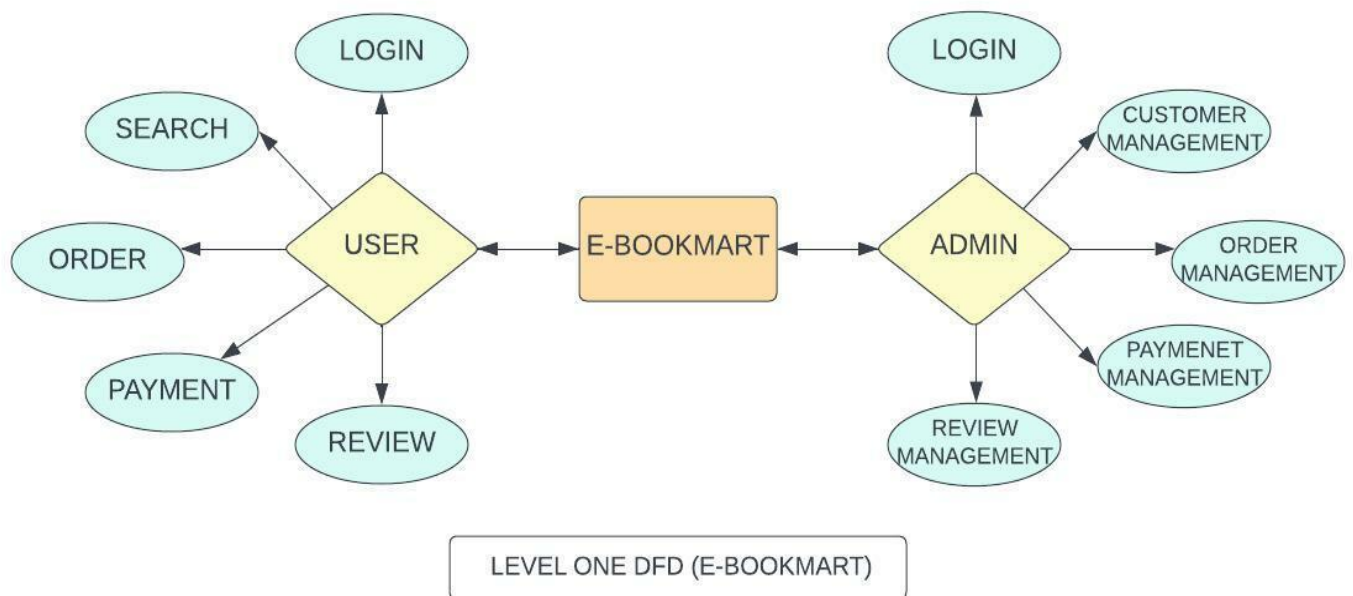


Figure 4: DFD (Level 1)

FLOWCHART

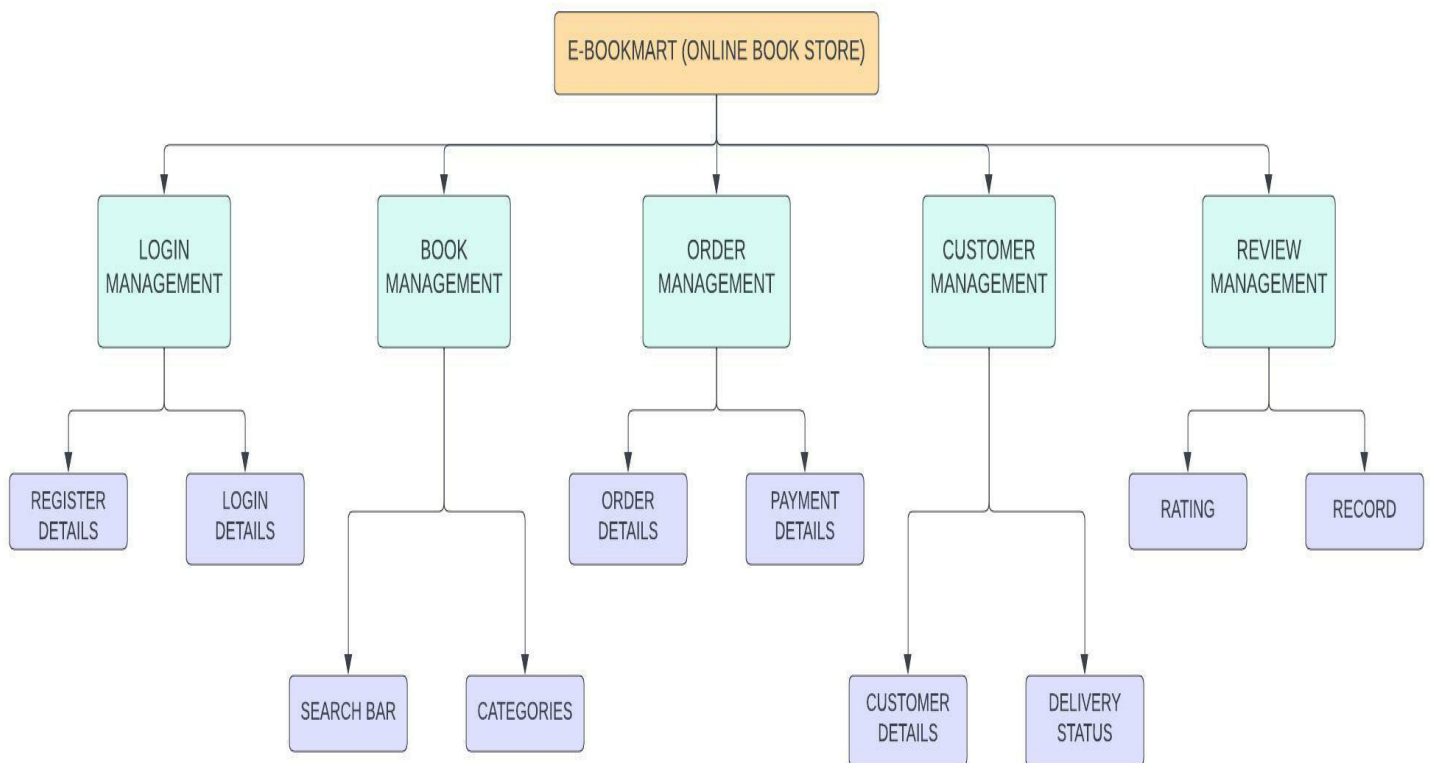
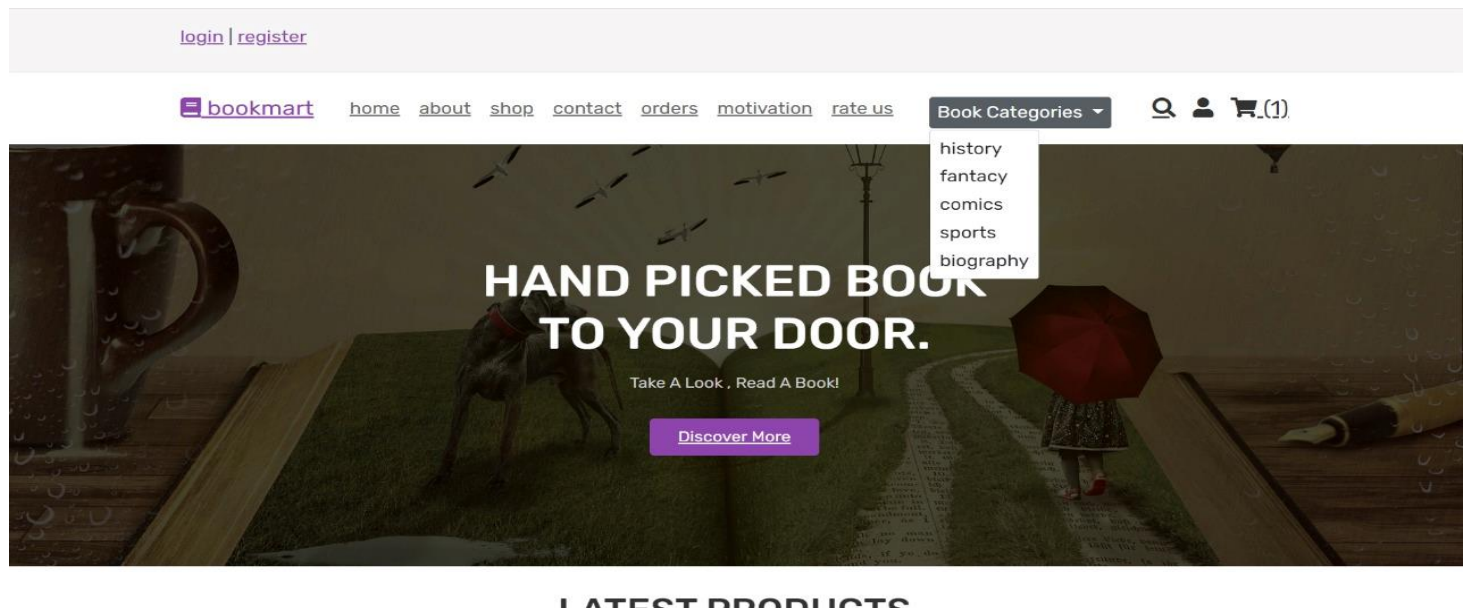


Figure 7: Flowchart of Project

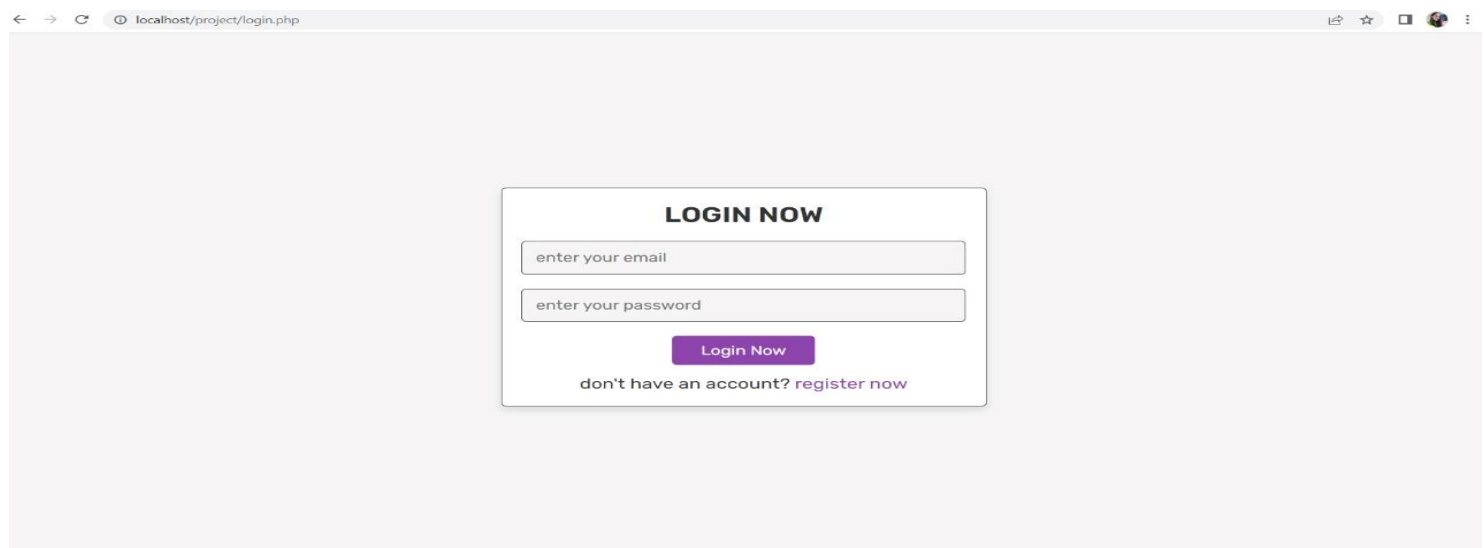
HOME PAGE:

Home page/dashboard which consist of all the attributes of our application. It is the first window of the application (E-Bookmart).



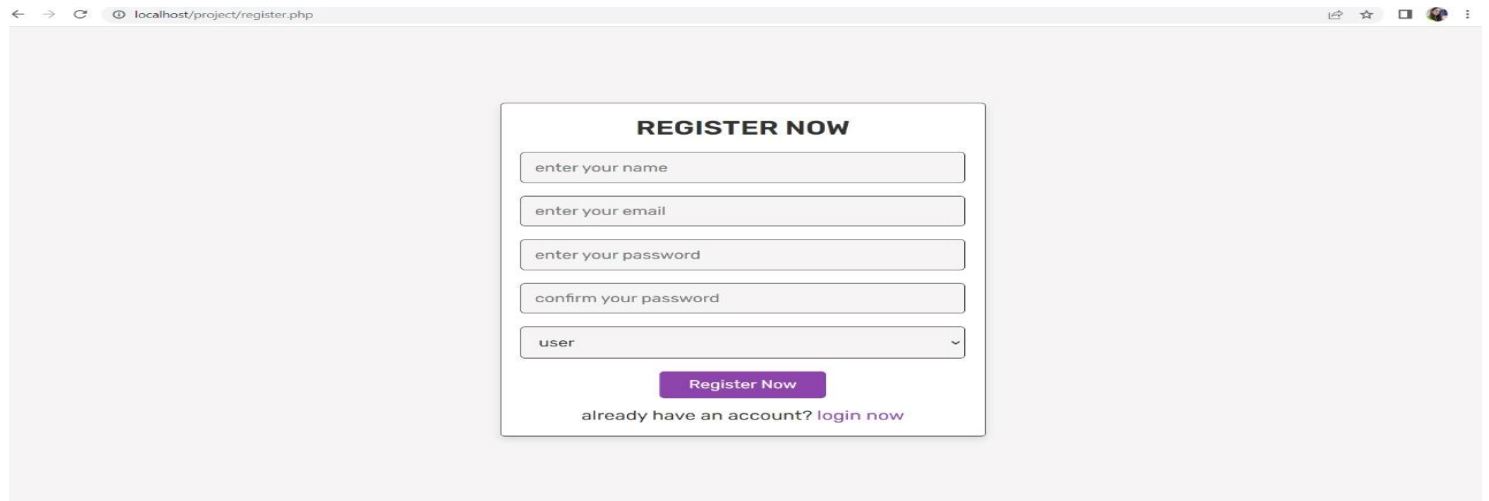
LOGIN PAGE:

User can login to the application using login page.



REGISTER PAGE:

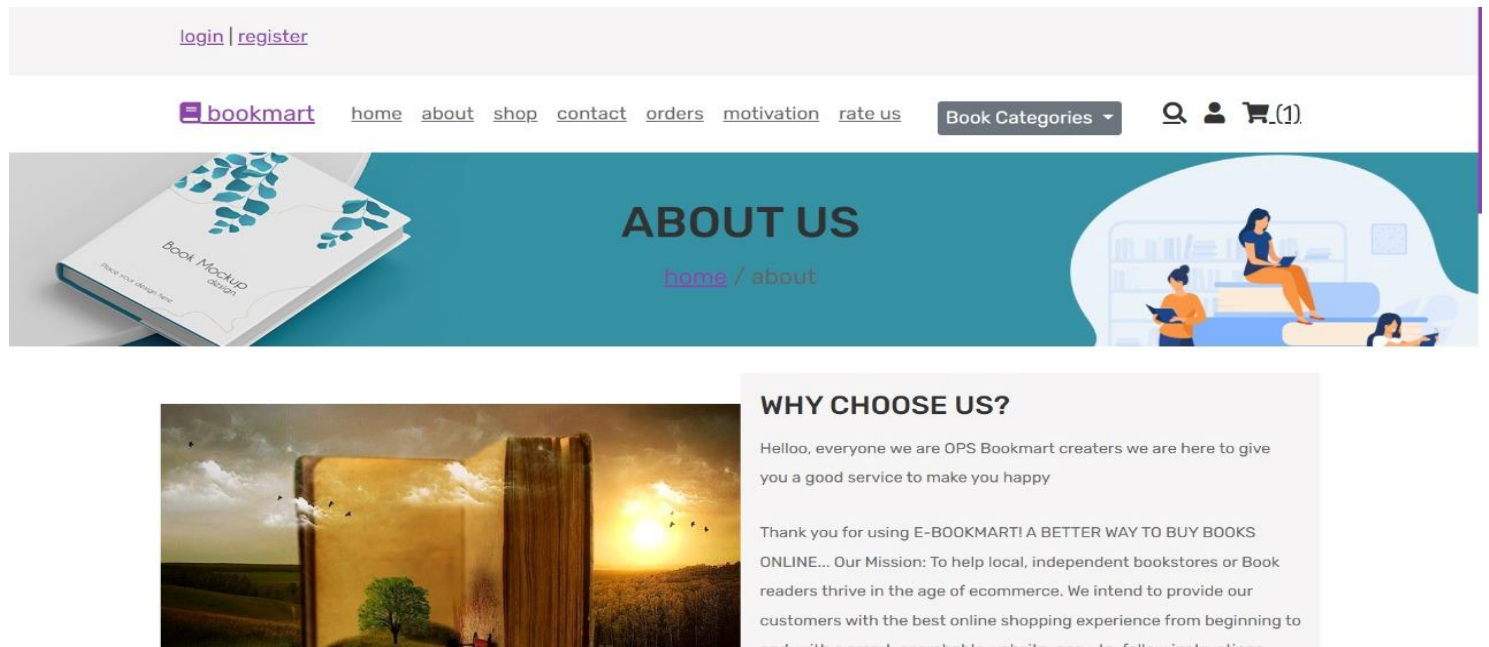
New user can register in our application using register page.



A screenshot of a web browser showing a registration form titled "REGISTER NOW". The form is centered on a light gray background. It contains five input fields: "enter your name", "enter your email", "enter your password", "confirm your password", and a dropdown menu labeled "user". Below the input fields is a purple "Register Now" button. At the bottom of the form, there is a link that says "already have an account? login now". The browser's address bar shows "localhost/project/register.php".

ABOUT PAGE:

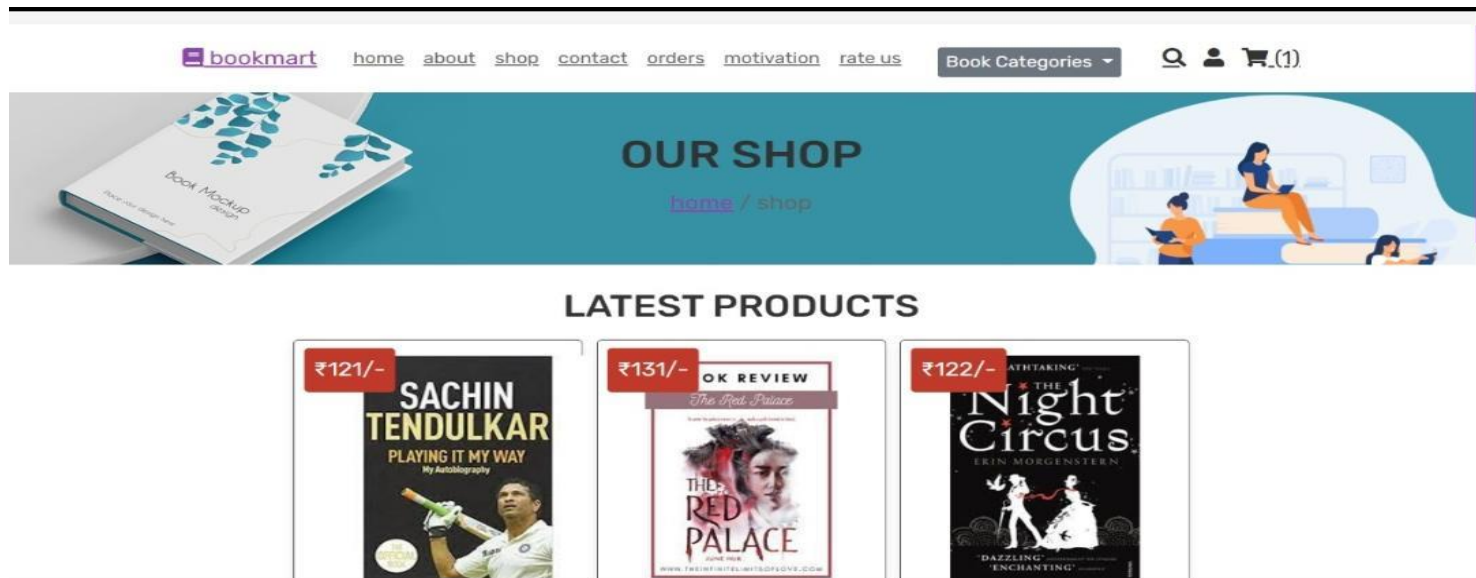
This page implies details/information about our application.



A screenshot of the "ABOUT US" page of the OPS Bookmart application. The page has a light gray header with a "login | register" link. Below the header is a navigation bar with links: "bookmart", "home", "about", "shop", "contact", "orders", "motivation", "rate us", and a "Book Categories" dropdown. There are also icons for search, user profile, and a shopping cart with "(1)" items. The main content area has a teal background. On the left, there is an image of a book titled "Book Mockup design". In the center, the text "ABOUT US" is displayed in large, bold, white letters, with a link "home / about" below it. On the right, there is an illustration of three people sitting on a large book, reading. Below the main content area, there is a section titled "WHY CHOOSE US?" with a background image of a large, open book in a field at sunset. The text in this section reads: "Helloo, everyone we are OPS Bookmart creators we are here to give you a good service to make you happy" and "Thank you for using E-BOOKMART! A BETTER WAY TO BUY BOOKS ONLINE... Our Mission: To help local, independent bookstores or Book readers thrive in the age of ecommerce. We intend to provide our customers with the best online shopping experience from beginning to end with a smart, searchable website, easy-to-follow instructions..."

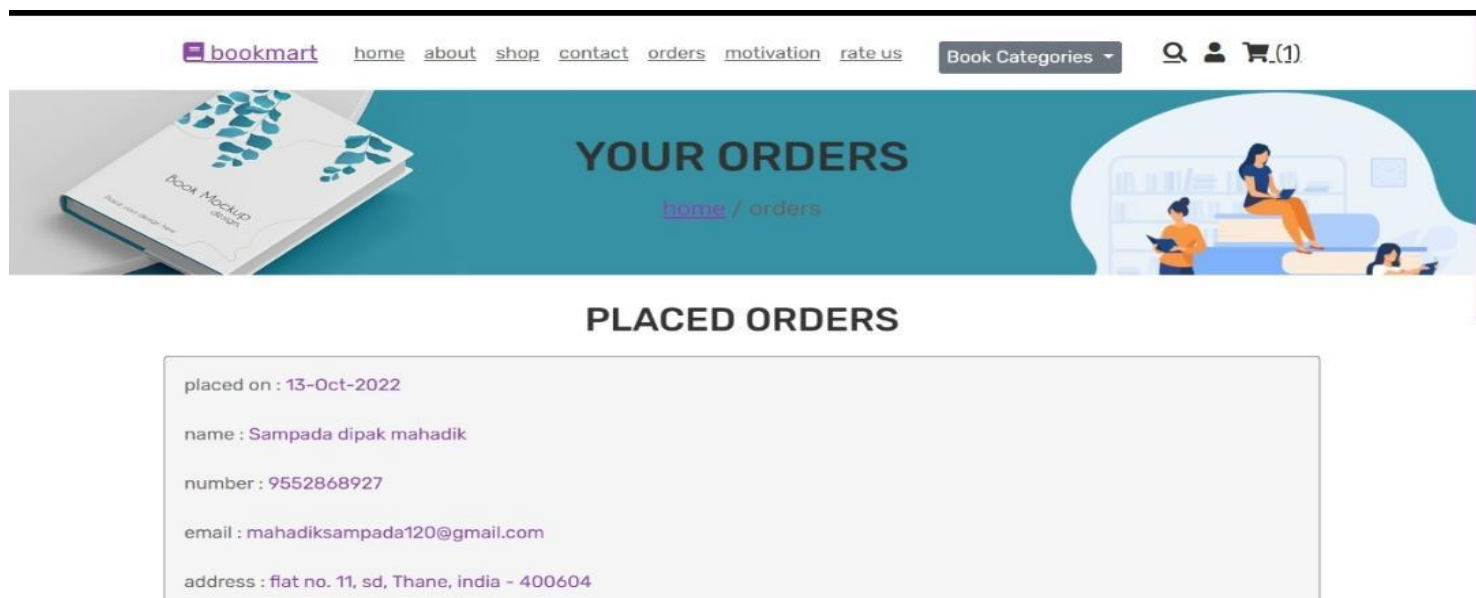
SHOP PAGE:

User can get latest or trending books in this page.



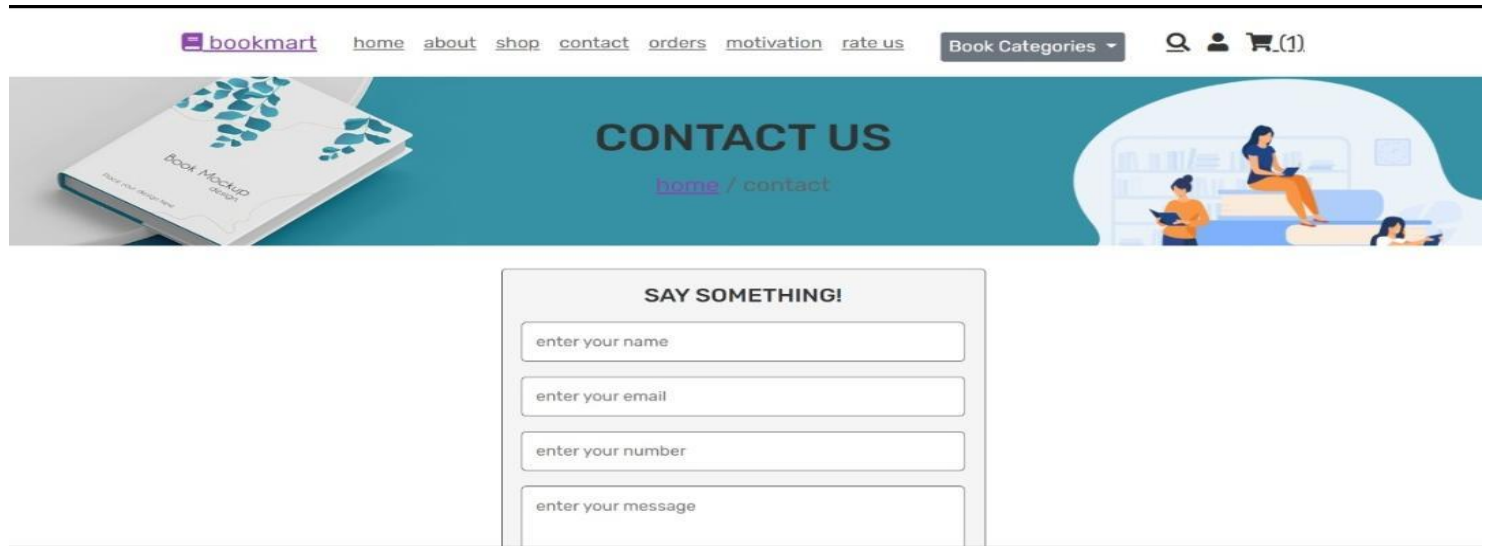
ORDER PAGE:

Order page generates an invoice of the ordered book.



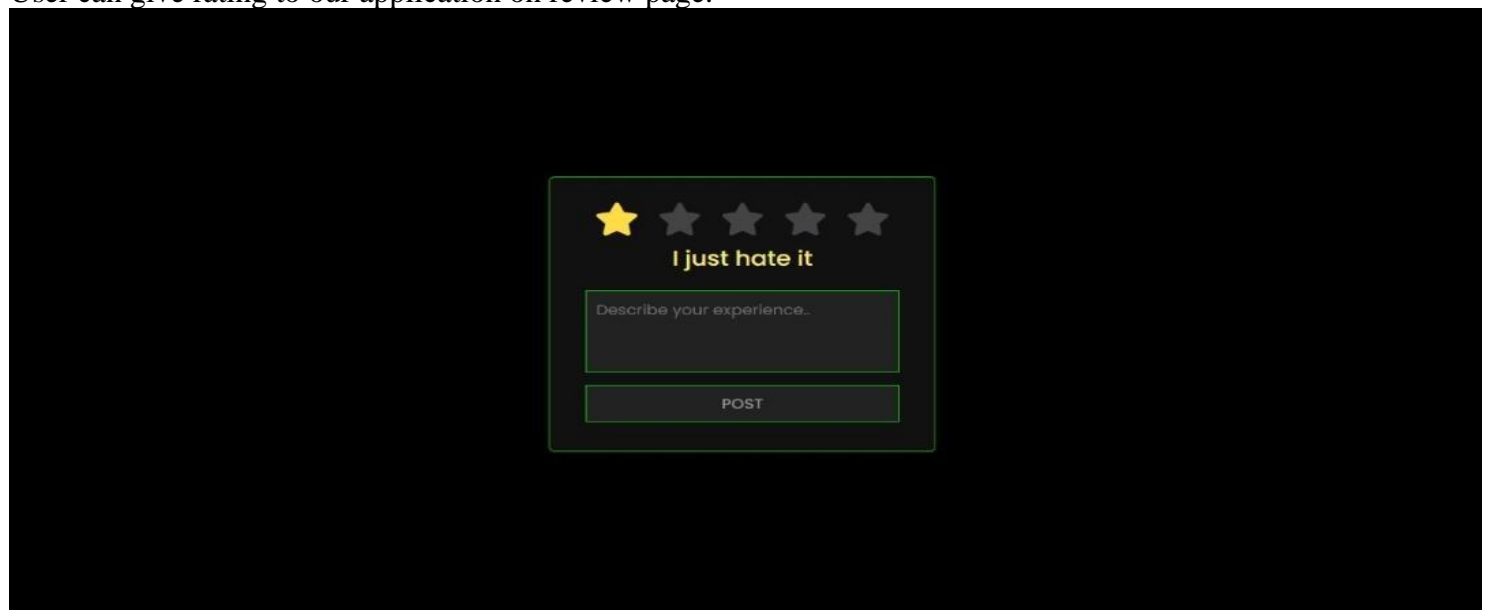
CONTACT PAGE:

User can contact us through contact us page.



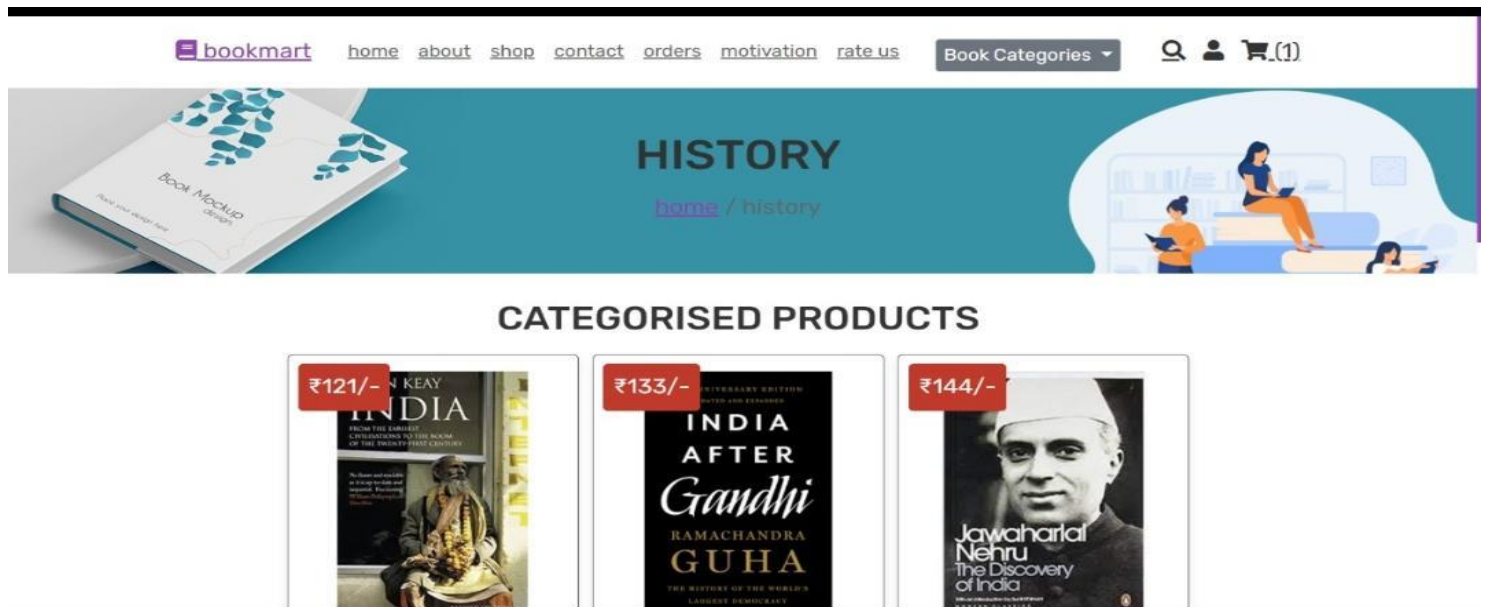
REVIEW PAGE:

User can give rating to our application on review page.



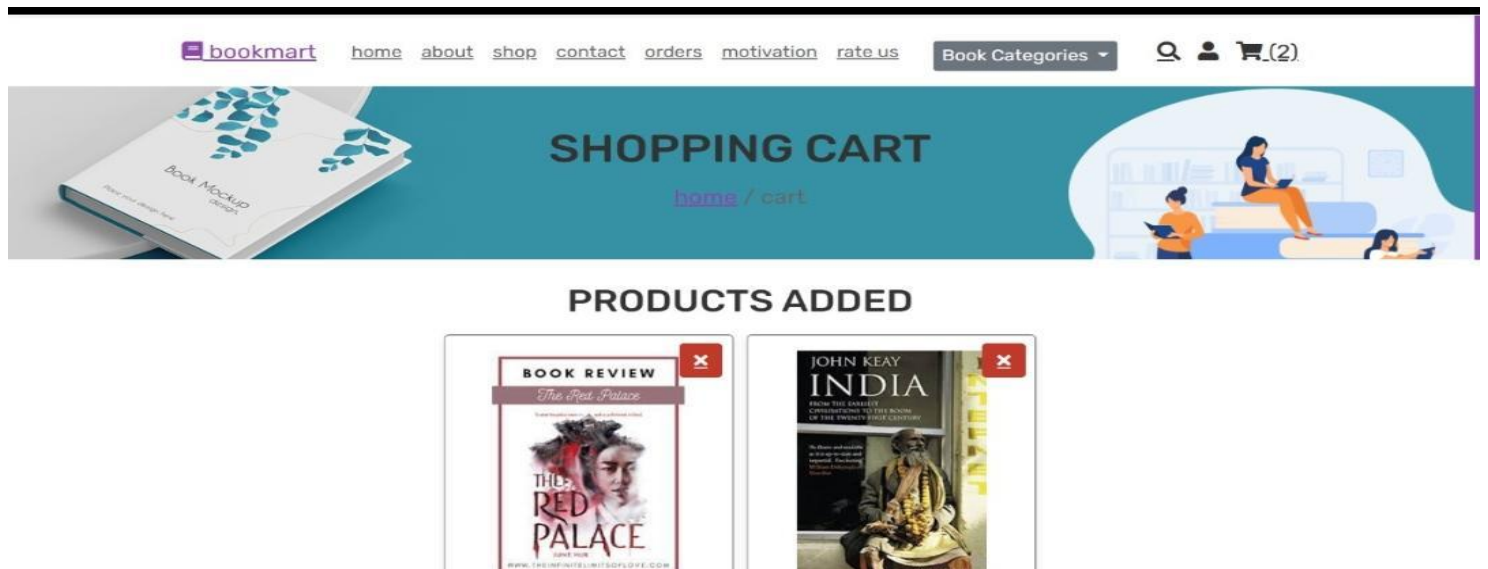
HISTORY (CATEGORY) PAGE:

It is one of the category provided in our application.



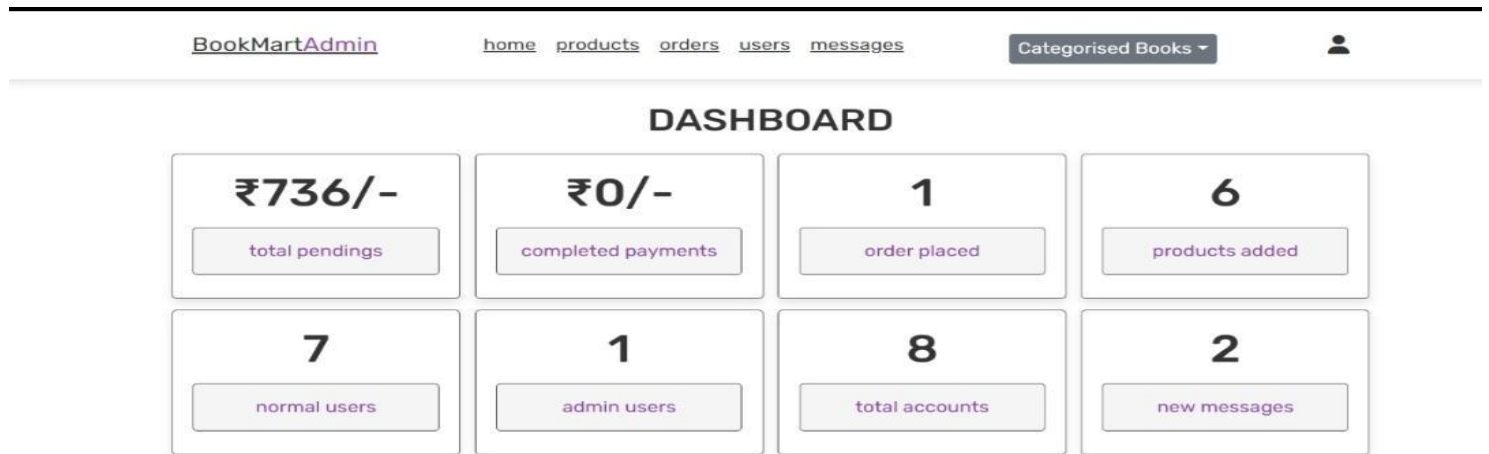
CART PAGE:

User can add their favorite book to the cart and later buy it.



ADMIN DASHBOARD:

Admin dashboard provides a detail information about the customers.



PRODUCT ADD PAGE(ADMIN):

Admin can add the required book to the stock using this page.

The screenshot shows the AdminPanel 'SHOP PRODUCTS' page. It features an 'ADD PRODUCT' form with the following fields:

- enter product name
- enter product price
- Choose File (No file chosen)

Below the form, there are three book covers displayed:

- SACHIN TENDULKAR PLAYING IT MY WAY My Autobiography
- BOOK REVIEW The Red Palace
- BREATHAKING THE Night Circus ERIN MORGENSTERN

Chapter No: 6

TECHNICAL

SPECIFICATIONS

Development: VS Code

VS Code also known as Visual Studio Code is a source code editor made by Microsoft for Windows, Linux, MacOS. It has various features such as Debugging, Syntax highlighting, extension, intelligent code completion.

Frontend: Html, CSS, JavaScript

As a web developer, the three main languages we use to build websites are HTML, CSS, and JavaScript. JavaScript is the programming language, we use HTML to structure the site, and we use CSS to design and layout the web page. These days, CSS has become more than just a design language, though. You can actually implement animations and smooth transitions with just CSS.

OS : Windows

Windows is a **graphical operating system** developed by Microsoft. It allows users to view and store files, run the software, play games, watch videos, and provides a way to connect to the internet. It was released for both home computing and professional works.

Backend: phpMyAdmin

phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. phpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.

Chapter No:7

PROJECT SCHEDULING

Sr. No	Group Member	Time duration	Work to be done
<u>1</u>	Om Chavan Sampada Mahadik Parthavi Khatu	1 st week of August	Designing phase of User Interface
		2 nd and 3 rd week of August.	Implementation and testing of Design.
<u>2</u>	Om Chavan Sampada Mahadik Parthavi Khatu	1 st week of September	Creating Database and Connection of Database to UI.
<u>3</u>	Om Chavan Sampada Mahadik Parthavi Khatu	By the end of September month	Final testing of Application and Resolving issues if any.

Chapter No:10

CONCLUSION

- Online Book Store application will provide a user friendly and easy interface to operate. User can buy the book of his/her choice with pocket friendly budget. User can buy types of books according to their favorite categories. And lastly user can also be able to make secured Payments.
- The project (E-Bookmart) has a very vast scope in future. We can give more advance software for Online Book Store including more facilities.
- In the future, we will try to cover all the states and cities till now we have covered it at a very small scale. We will also introduce new features such as Author videos and reviews so that users can get more satisfaction about his deal.

REFERENCE

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https://www.academia.edu/36199398/Online_Book_Store
- [2] Ms. Pragati Bagmare (2017), “Online bookshop management system”.
https://www.researchgate.net/publication/316459661_Research_Paper_on_Online_Bookshop_Management_System
- [3] Mr. Shubham Zunjar (2020), “Library management system”.
<https://ijert.org/papers/IJCRT2105603.pdf>
- [4] Prasad NK, Varun Kishore, Omprakash (2020). “Online Book Store.” International Research Journal of Engineering and Technology (IRJET) .
<https://www.studocu.com/in/document/university-of-delhi/btech/irjet-v7i51409-project-report/29610128>