



# **FINOLEX ACADEMY OF MANAGEMENT AND TECHNOLOGY, RATNAGIRI**

This is to certify that the project report  
titled: Employee Management System

Carried out by student  
of MCA Submitted  
By:

Mr.Sarthak Patil, Mr.Prathamesh Patil & Mr. Dhruv  
Patel

In partial fulfillment of the award for degree of  
**MASTER OF COMPUTER APPLICATION**

From Mumbai University And is/are the bonafide records of the  
work done by him/her/them during the Semester I of A.Y 2023-  
2024

Internal Guide

Prof. Tejas Joshi.

HOD

Prof. Tejas Joshi.

## **DECLARATION**

We Sarthak Patil, Prathamesh Patil & Dhruv Patel student of MCA hereby declare that the Project titled “E-Commerce Website” which is submitted by us to , Finolex Academy of Management and Technology ,P-60, P60/1, Midc, Mirjole Block, Ratnagiri, in partial fulfillment of requirement for the award of the degree of MCA . has not been previously formed the basis for the award of any degree, diploma or other similar title or recognition. The Author attests that permission has been obtained for the use of any copy righted material appearing in the Dissertation Project report other than brief excerpts requiring only proper acknowledgement in scholarly writing and all such use is acknowledged.

**Place- RATNAGIRI**

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**Date-**

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## **Abstract**

The "Book Store Management System" is a web application designed to automate various operations within a bookshop, providing an efficient online shopping cart and point-of-sale system. The system allows users to conveniently search for books based on categories, publisher names, and specific book titles, facilitating easy order placement. Recognizing the challenges associated with manual record-keeping for a diverse range of books, the project aims to streamline these processes by implementing a digital solution. This system not only enhances the overall management of book inventory but also offers a user-friendly interface for customers to explore, select, and purchase books seamlessly.

## **1) Introduction:-**

Welcome to the innovative world of Book Store Management, a project dedicated to streamlining and enhancing the operations of bookstores. In an era where technology meets literature, our project aims to revolutionize traditional bookstore management systems. With a user-friendly interface, our solution enables efficient inventory management, sales tracking, and customer engagement. By incorporating advanced features such as barcode scanning and real-time data analytics, we empower bookstore owners to make informed decisions and optimize their business processes. This project not only ensures accuracy in stock management but also facilitates seamless customer transactions through integrated payment gateways. Embrace the future of book retailing with Book Store Management, where the pages of your success story are turned by cutting-edge technology and thoughtful design.

## **2. Project Objectives:-**

The primary objective of the Book Store Management project is to modernize and optimize the operations of bookstores through the implementation of advanced technology and efficient management practices. Our goal is to create a user-friendly platform that simplifies inventory control, sales monitoring, and customer interactions, ultimately enhancing the overall bookstore experience.

1. Streamline Inventory Management: Develop a robust system to efficiently track and manage book inventory, reducing errors and improving stock accuracy.
2. Enhance Sales Tracking: Implement a comprehensive sales tracking mechanism to monitor book sales trends, analyze customer preferences, and identify opportunities for growth.
3. Improve Customer Engagement: Integrate features that enhance customer experience, such as personalized recommendations, loyalty programs, and efficient order processing.
4. Real-time Analytics: Provide real-time data analytics to empower bookstore owners with insights into sales performance, popular genres, and inventory turnover rates.
5. Barcode Scanning: Incorporate barcode scanning technology for swift and accurate book identification, speeding up the checkout process and minimizing errors.
6. Integrated Payment Gateways: Facilitate seamless and secure transactions through integrated payment gateways, ensuring a smooth and convenient purchasing experience for customers.
7. Accessibility and Scalability: Design the system to be accessible from various devices and scalable to accommodate the growth of the bookstore business.

### 3. Technologies Used:-

Front End : HTML, CSS, BOOTSTRAP  
Back End : PHP, MySQL  
Tools & Technologies : Xamp Server,  
MySQL Queries,  
Browser (Mozilla Firefox, Chrome..)  
Text Editor(Sublime Text 3, Notepad ++..)

### 4. System Architecture:-

- The front-end of the application is built using React and Tailwind CSS.
- The back-end is developed using Node.js.
- MongoDB is used to store product information, user profiles, and order data.

#### Modules :-

Admin Module:-

- i] Add / delete book
- ii] Add / delete publisher
- iii] Add /delete Category

User Module :-

- i] Create Account.
- ii] Search book.
- iii] View book.
- Iv] Add the book into cart.
- V] Buy the book.

## **1. Key Features:-**

- 1) User Authentication:-** Users can create accounts, log in, and update their profiles.
- 2) Product filtering:-** A comprehensive listing of products with filtering and searching capabilities.
- 3) Product Details:-** Detailed product pages with images, descriptions, and specifications.
- 4) Shopping Cart:-** Users can add products to their cart, update quantities, and remove items.
- 5) Checkout Process:-** Secure checkout process with payment integration using Stripe.
- 6) Responsive Design:-** The website is designed to be accessible on various devices, including desktops, tablets, and smartphones.

## **2. Development Process:-**

- 1) Requirement analysis and design planning.
- 2) Designing and implementing the user interface components.
- 3) Testing the Website for functionality, responsiveness.

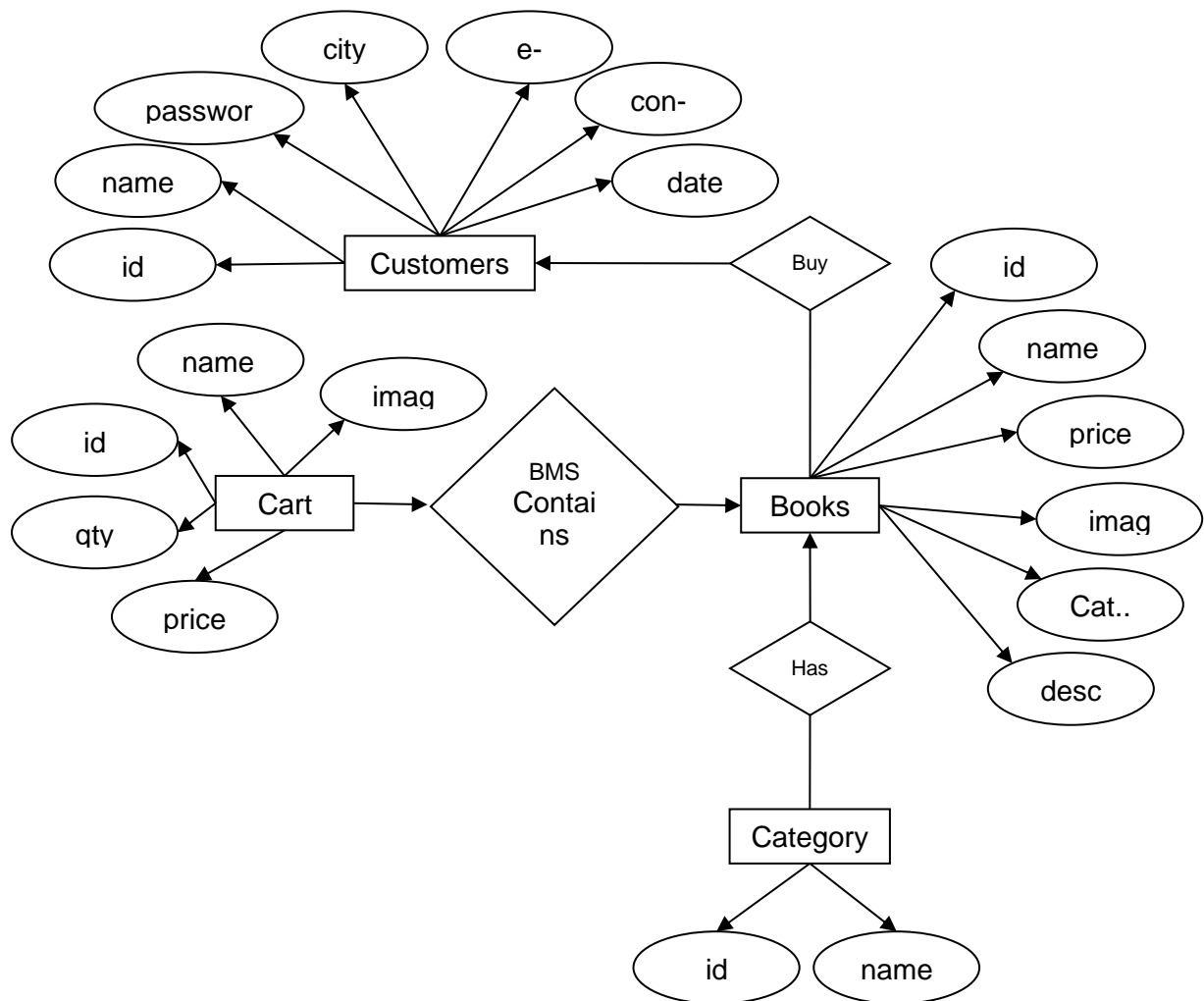
## **3. Challenges Faced:-**

- Managing user authentication and authorization.
- Designing a responsive user interface that works well on different screen sizes.

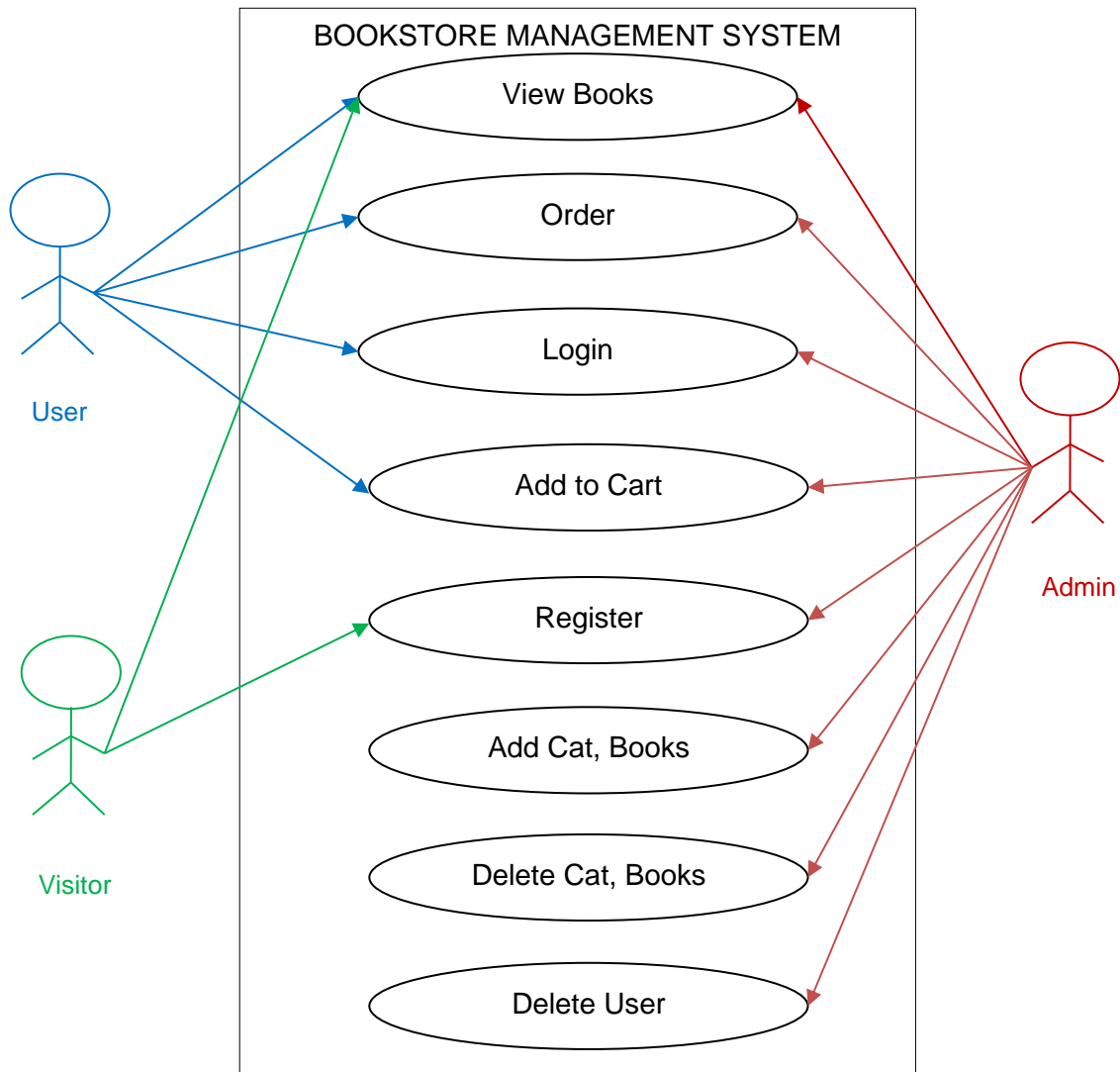


#### 4. UML Diagrams :-

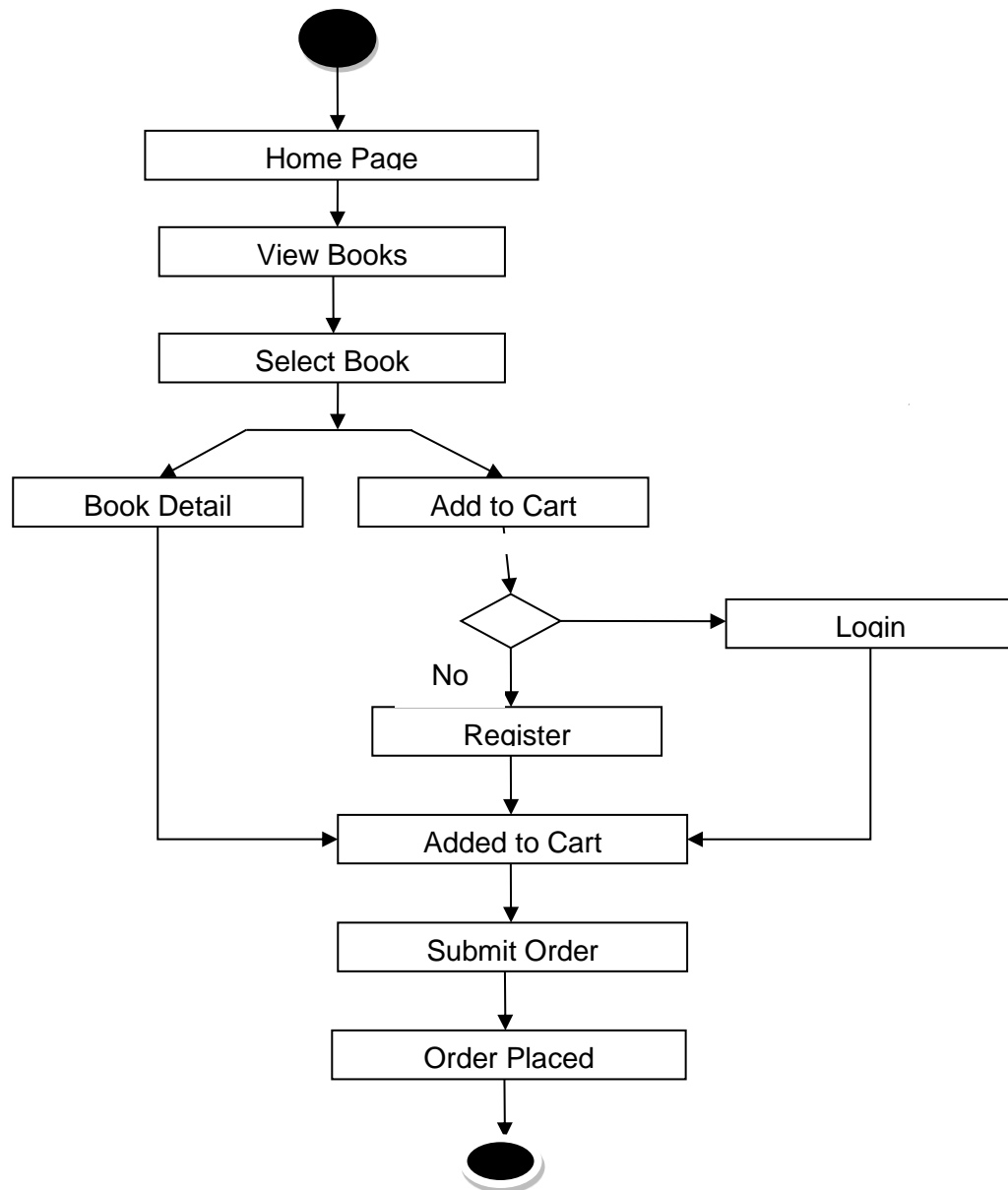
##### 1) ER Diagram :-



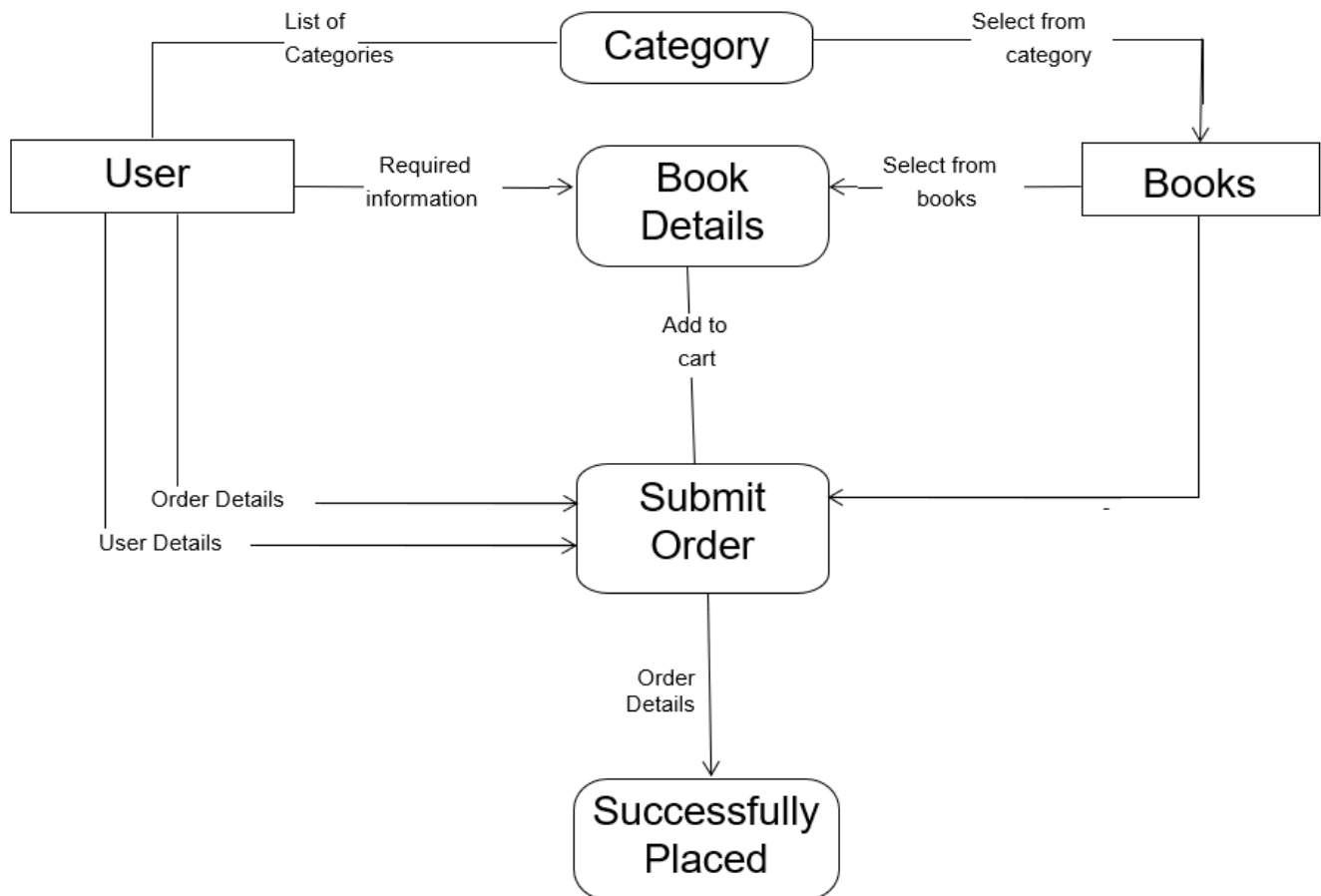
## 2) Use case Diagram:-



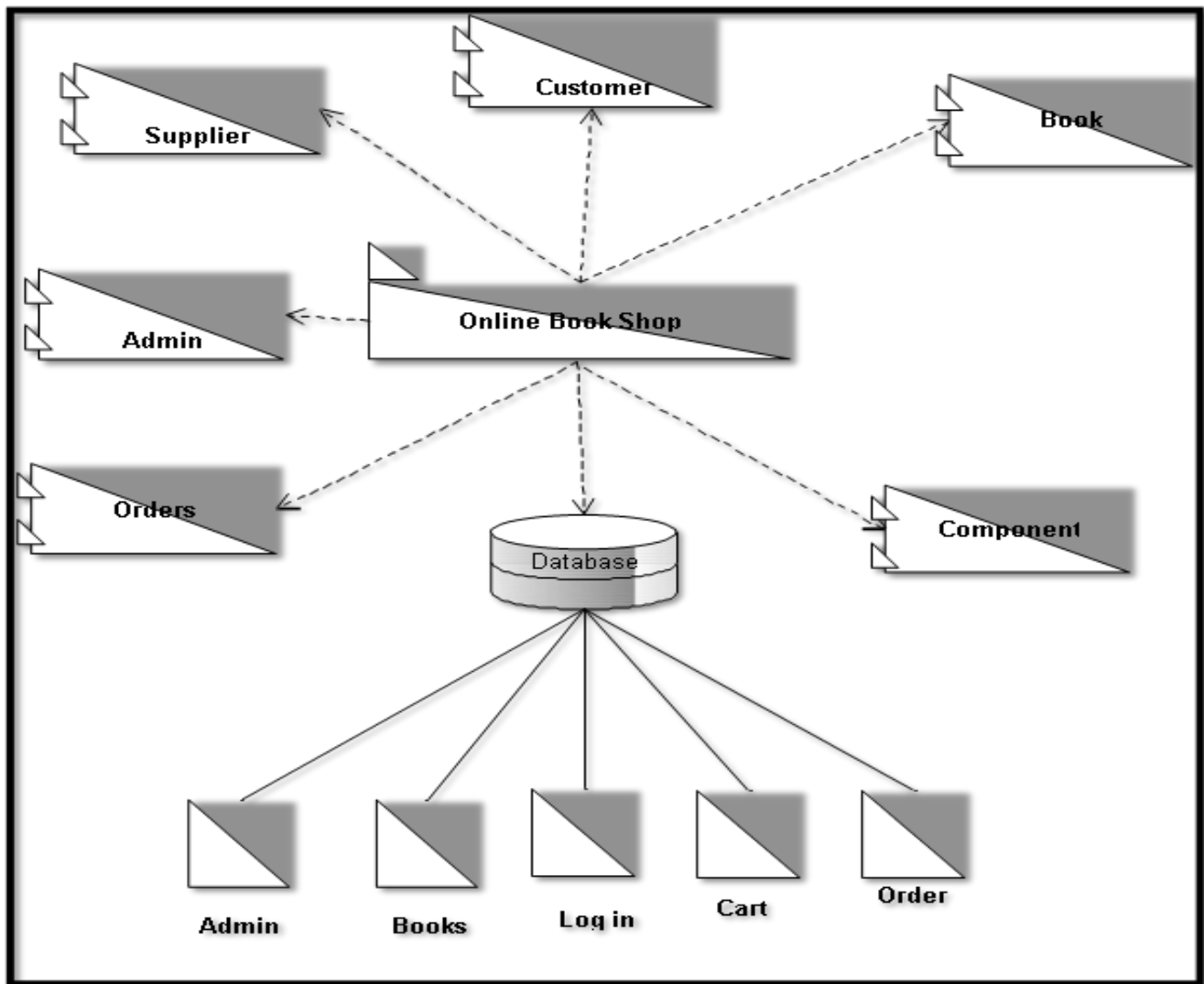
### 3) Activity Diagrams :



**ii] DATA FLOW DIAGRAM:-**

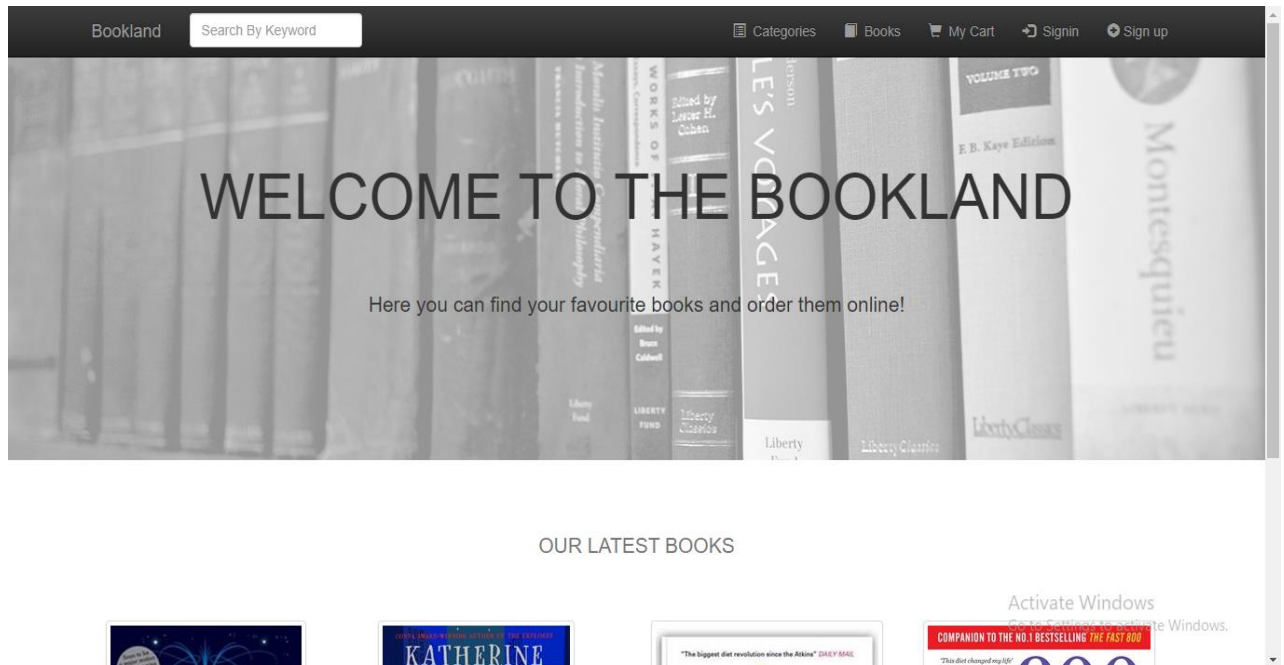


ii] Component Diagram:-



## 5.System Outputs :-

### Home Page :-



### Register Form :-

The screenshot shows the 'User SignUp' form in a web browser. The browser's address bar shows 'localhost/bookland/signup.php'. The form is titled 'Welcome In BOOKLAND' and contains the following fields: 'First Name' (placeholder: Enter Firstname), 'Last Name' (placeholder: Enter Lastname), 'Email' (placeholder: manager), 'Password' (placeholder: .....), 'Address' (placeholder: Enter address), 'City' (placeholder: ), and 'Pin Code' (placeholder: ). A blue 'Join Me' button is at the bottom. An 'Activate Windows' watermark is visible in the bottom right corner.

## Login Form :-

User Signin

localhost/bookland/signin.php

Bookland Search By Keyword

Categories Books My Cart Signin Sign up

### Login Into BOOKLAND

Email

Enter Username

Password

Enter password

login

Activate Windows  
Go to Settings to activate Windows.

## All Books :-

Full Catalogs of Books

Bookland Search By Keyword

Categories Books My Cart Signin Sign up

### Full Catalogs of Books

Sort By:

Ascending

Descending

Title Price Author Clear

man mai hai vishwas

Samrat Balasaheb Thackeray

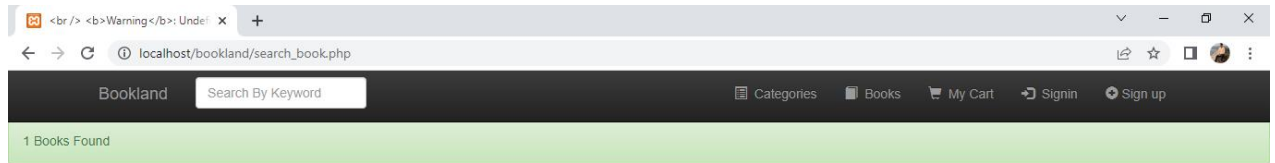
Mazi Janmathep

Do Epic Shit

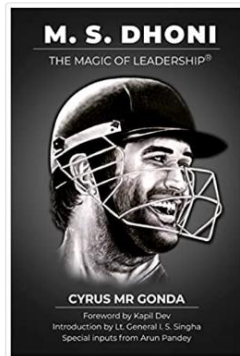
Activate Windows  
Go to Settings to activate Windows.

Show all

## Search Books :-



### Search Result

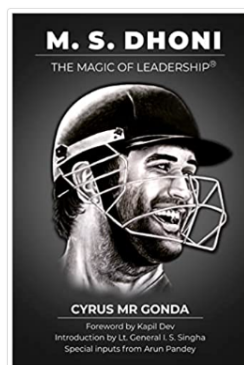


Activate Windows  
Go to Settings to activate Windows.

## Book Details :-



[Books](#) > The Magic Of Leadership



### Book Description

M S Dhoni: Captain Cool is a book which describes his journey in his early years till the time he ventured into the field of cricket and became the captain. This biography presents M.S. Dhoni's journey towards stardom.

### Book Details

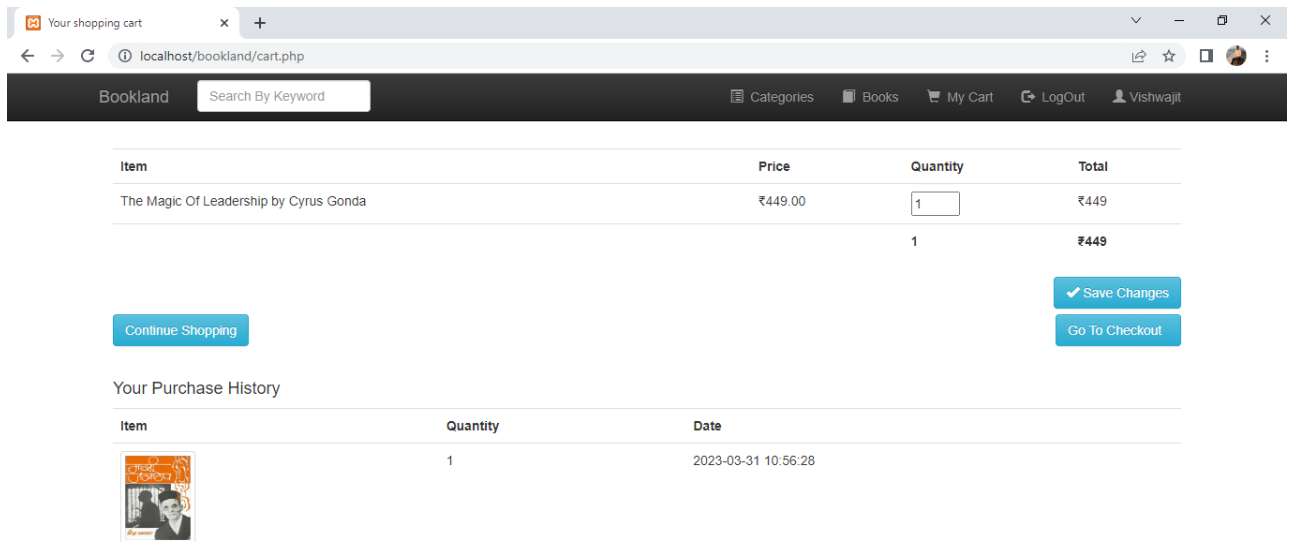
ISBN	14980
Author	Cyrus Gonda
Price	449.00
categoryid	17

[Add to cart](#)

Activate Windows  
Go to Settings to activate Windows.



## CART:-




Item	Price	Quantity	Total
The Magic Of Leadership by Cyrus Gonda	₹449.00	1	₹449
		1	₹449

Continue Shopping

Save Changes

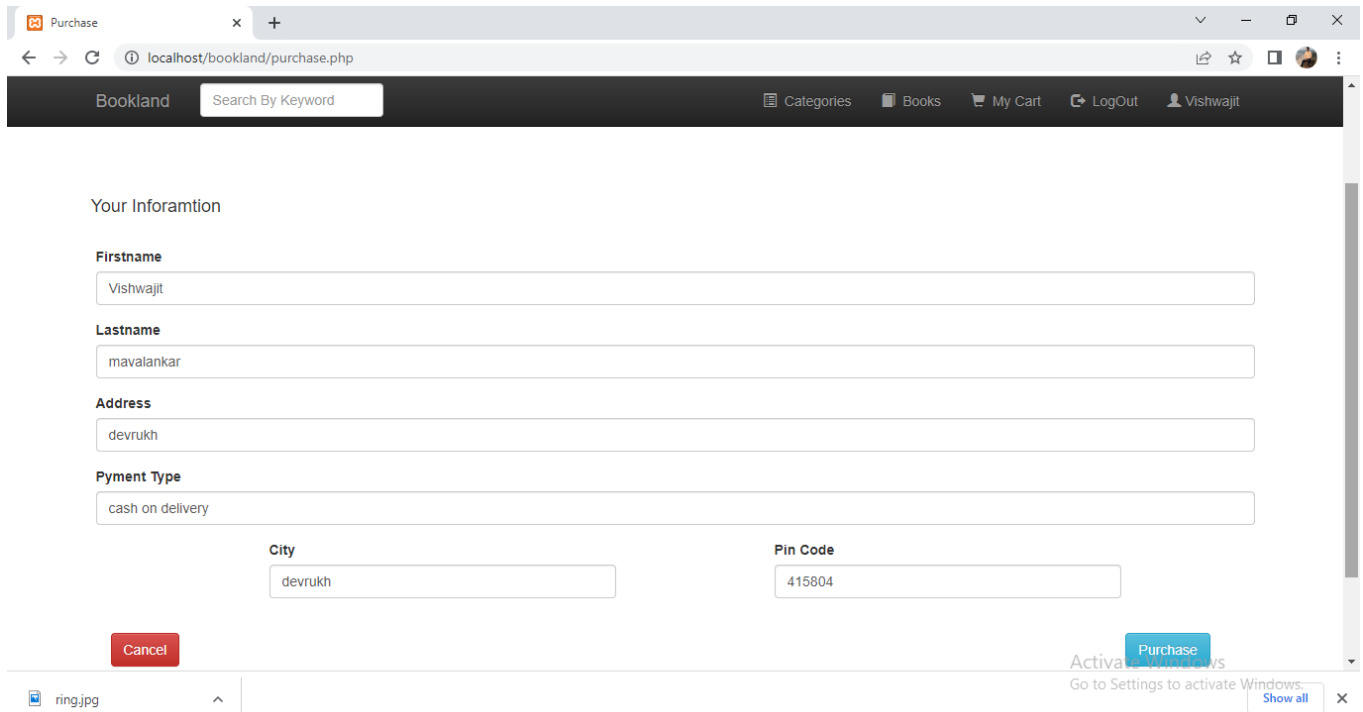
Go To Checkout

Your Purchase History

Item	Quantity	Date
	1	2023-03-31 10:56:28

Activate Windows  
Go to Settings to activate Windows.

## Confirmed Purchased :-



Your Inforamtion

Firstname: Vishwajit

Lastname: mavalankar

Address: devrukh

Pyment Type: cash on delivery

City: devrukh

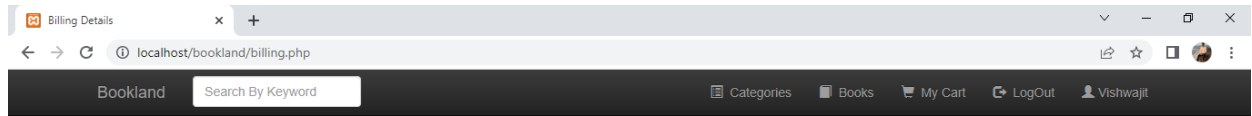
Pin Code: 415804

Cancel Purchase

ring.jpg

Activate Windows  
Go to Settings to activate Windows.  
Show all

## Order Page :-



Thank you **Vishwajit** for shopping with us

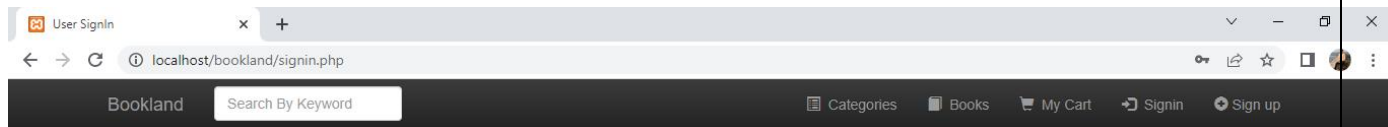
### Your order details:

DELIVERY ADDRESS	Vishwajit, mavalankar, devrukh
PIN CODE	415804
DATE OF PURCHASE	2023-03-31 20:48:28
STATUS	Order Placed
PAYMENT METHOD	cash on delivery

Book Name	Price	Quantity	Total
The Magic Of Leadership by Cyrus Gonda	₹449.00	2	₹898

Activate Windows  
Go to Settings to activate Windows.

## Admin Login Page :-



### Login Into BOOKLAND

✉ Email

🔑 Password



Activate Windows  
Go to Settings to activate Windows.

## Admin Add Publisher:-

Bookland Search By Keyword Categories Books My Cart Signin Sign up

Name

Add new publisher Cancel

## All Publisher :-

Bookland Search By Keyword Categories Books My Cart Signin Sign up

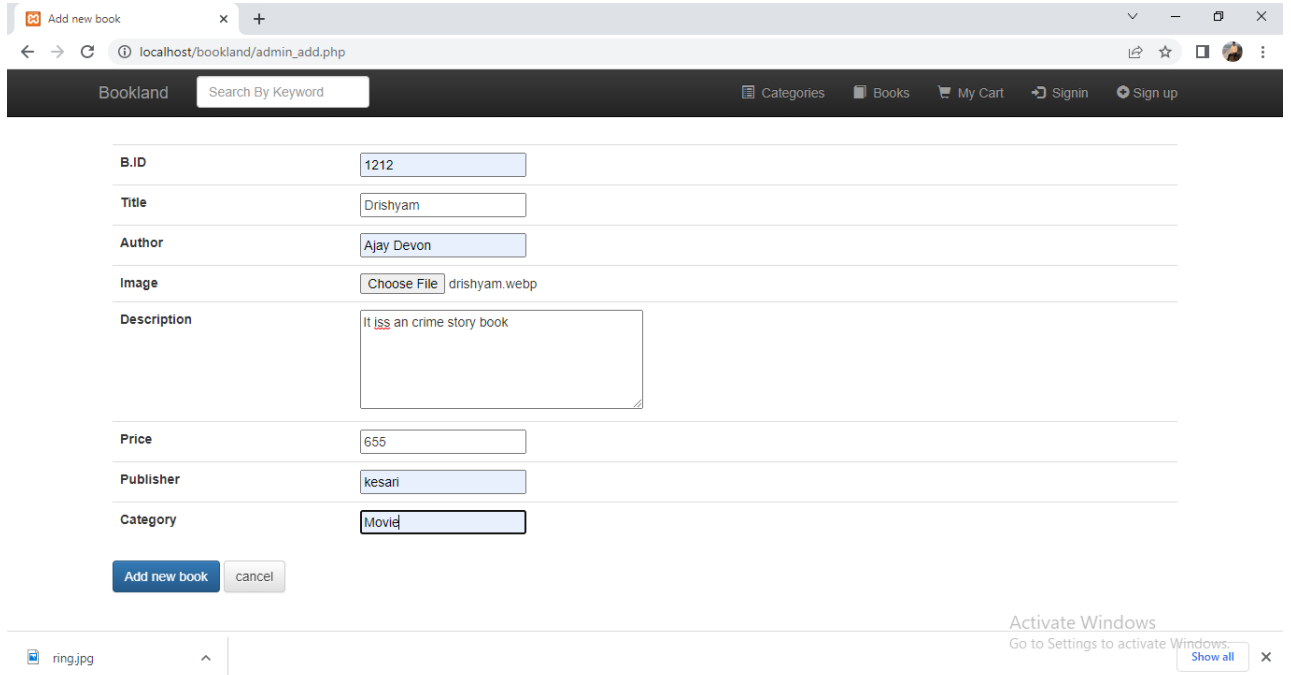
Logout Books Categories + Add Book

Name	
Bloomsbury Publishing PLC	Delete
Chaitrali Prakashan	Delete
Harpercollins	Delete
i-Read Publications	Delete
Juggernaut	Delete
Kesari	Delete
O'Reilly Media	Delete
Paper Back	Delete
Parchure Prakashan	Delete
Rajhans Prakashan	Delete
shubham	Delete
Universities	Delete

ring.jpg

Activate Windows  
Go to Settings to activate Windows.  
Show all

## Admin adds book:-



Bookland Search By Keyword Categories Books My Cart Signin Sign up

B.ID 1212

Title Drishyam

Author Ajay Devon

Image Choose File drishyam.webp

Description It is an crime story book

Price 655

Publisher kesari

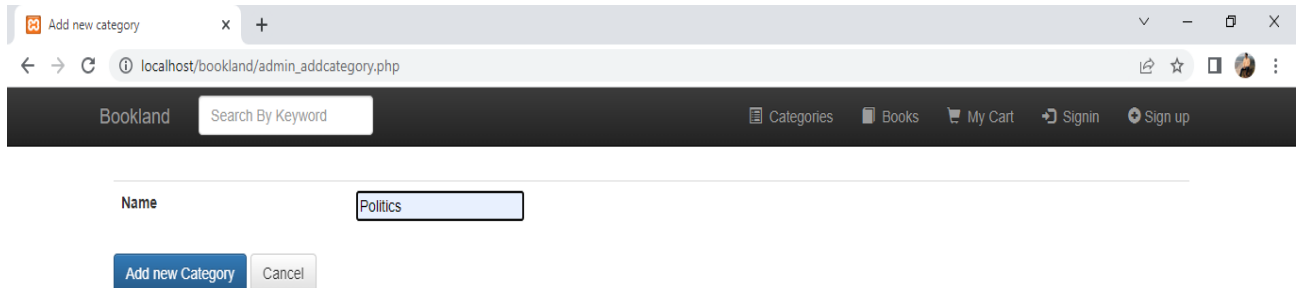
Category Movie

Add new book cancel

ring.jpg

Activate Windows  
Go to Settings to activate Windows.  
Show all

## Add Category:-

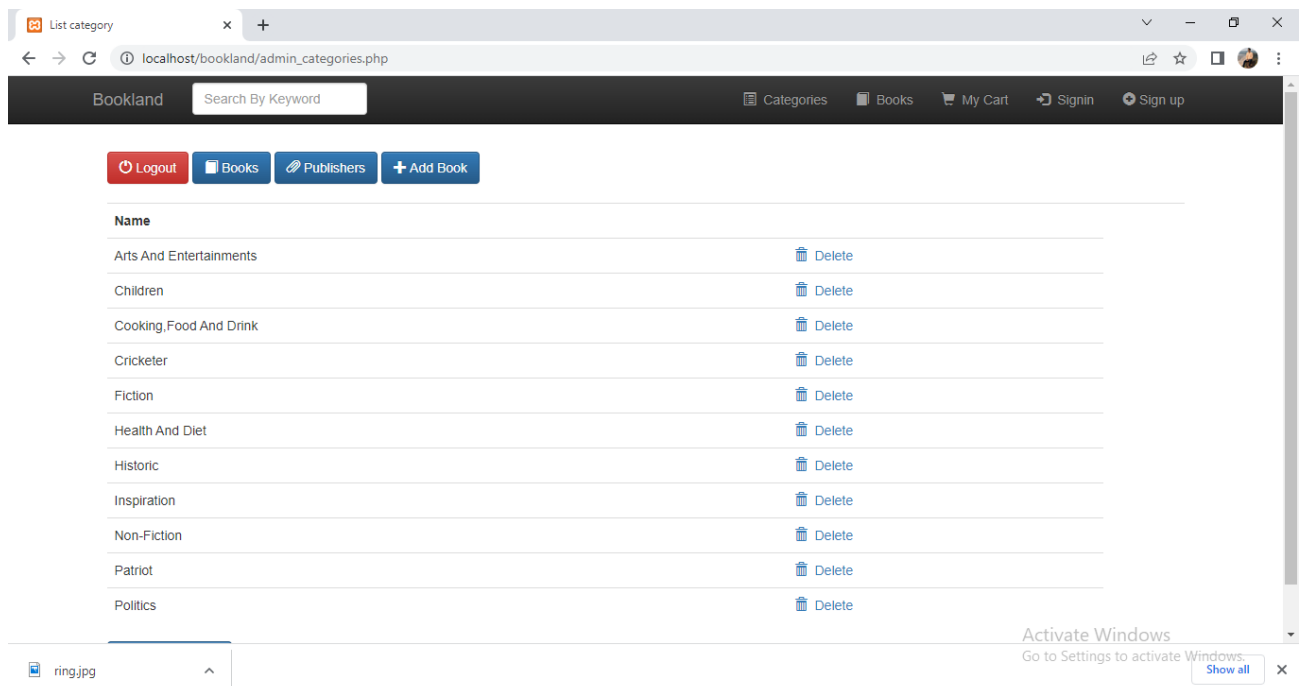


Bookland Search By Keyword Categories Books My Cart Signin Sign up

Name Politics

Add new Category Cancel

## All Categories:-

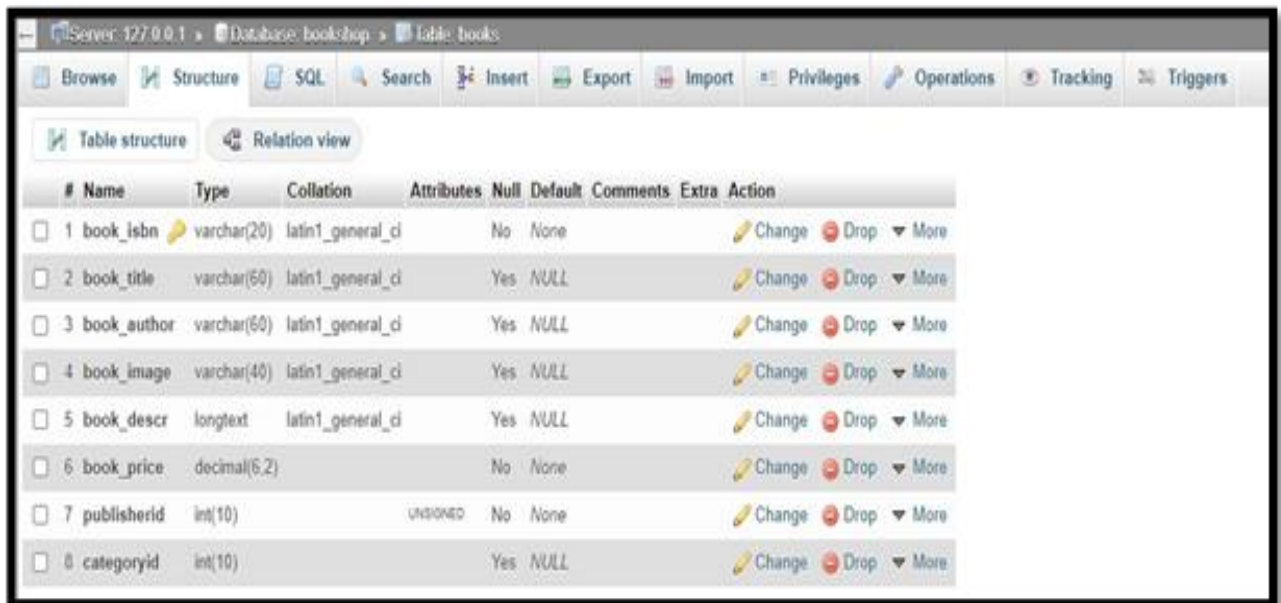


## Admin log in table :-

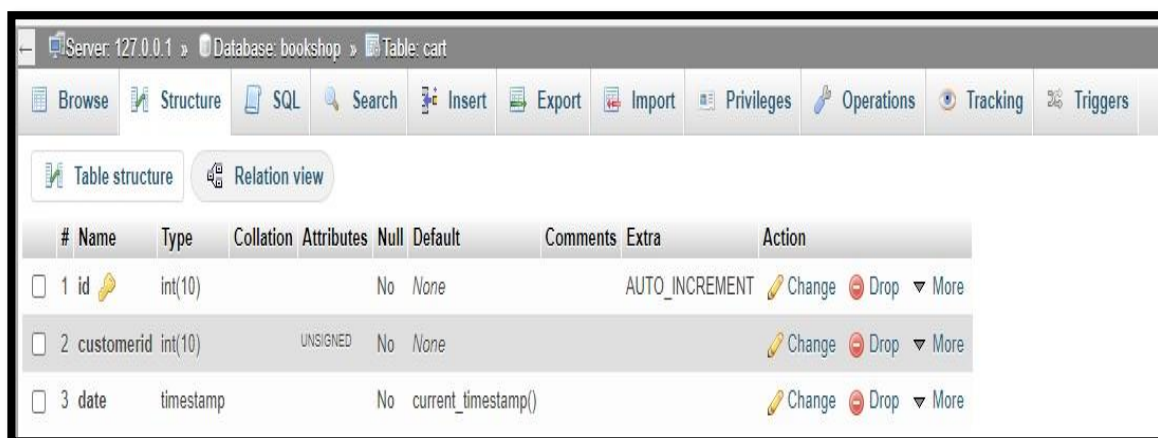
Server: 127.0.0.1 » Database: kitab\_mart » Table: admin

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	UserName	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
3	Password	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More

**Books table :-**


#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	book_isbn	varchar(20)	latin1_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	book_title	varchar(60)	latin1_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 3	book_author	varchar(60)	latin1_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	book_image	varchar(40)	latin1_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	book_descr	longtext	latin1_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 6	book_price	decimal(6,2)			No	None			Change Drop More
<input type="checkbox"/> 7	publisherid	int(10)		UNSIGNED	No	None			Change Drop More
<input type="checkbox"/> 8	categoryid	int(10)			Yes	NULL			Change Drop More

**Cart table :-**


#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	customerid	int(10)		UNSIGNED	No	None			Change Drop More
<input type="checkbox"/> 3	date	timestamp			No	current_timestamp()			Change Drop More

**Customer table :-**

Server: 127.0.0.1 > Database: bookshop > Table: customer

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)			No	None		AUTO_INCREMENT	Change Drop More
2	firstname	varchar(40)	latin1_swedish_ci		No	None			Change Drop More
3	lastname	varchar(40)	latin1_swedish_ci		No	None			Change Drop More
4	email	varchar(40)	latin1_swedish_ci		No	None			Change Drop More
5	password	varchar(40)	latin1_swedish_ci		No	None			Change Drop More
6	address	varchar(120)	latin1_swedish_ci		No	None			Change Drop More
7	city	varchar(40)	latin1_swedish_ci		No	None			Change Drop More
8	pincode	varchar(40)	latin1_spanish_ci		No	None			Change Drop More

**Publisher table :-**

Server: 127.0.0.1 > Database: bookshop > Table: publisher

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	publisherid	int(10)		UNSIGNED	No	None		AUTO_INCREMENT	Change Drop More
2	publisher_name	varchar(60)	latin1_general_ci		No	None			Change Drop More

**Manager table :-**

Server: 127.0.0.1 > Database: bookshop > Table: manager

Table structure

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	name	varchar(20)	latin1_general_ci		No	None			Change Drop More
2	pass	varchar(40)	latin1_general_ci		No	None			Change Drop More

## **6. Future Enhancements:-**

1. AI-Optimized Inventory Forecasting.
2. Blockchain-secured Financial Transactions.
3. Virtual Reality Bookstore Tours.

## **7. Conclusion:-**

In summary, the Book Store Management project optimizes bookstore operations for efficiency and accuracy. With a customer-centric approach, it enhances relationships through personalized features. The real-time analytics and sales tracking offer valuable insights for strategic growth. Leveraging modern technology, the project ensures bookstores are future-ready and adaptable. Ultimately, it stands as a transformative solution for ushering traditional book retailing into a more streamlined and tech-savvy era.

## **➤ 10. References:**

<https://www.google.com>

<https://www.youtube.com>

<https://www.w3schools.co>

<https://stackoverflow.com>

<https://www.quora.com>

<https://www.scribd.com>

<https://www.udemy.com>