**POKHARA UNIVERSITY**

**Faculty of Management**



**A Project Report On**

**Kitab Kunj- An Online Book Store**

[Project code: PRJ 391]

*A project report submitted on behalf of partial fulfillment of Bachelor Of Computer Information System*

**Submitted To**

**Crimson College of Technology**

Department of Science and Technology

**Submitted** **By**

Ganga Saru

Reg.No-2021-2-08-0213 Roll. No- [21080212]

Sadhana Gautam

Reg.No-2021-2-08-0235 Roll. No- [21080232]

Suman Bhandari

Reg.No-2021-2-08-0242 Roll. No- [21080239]

Upendra Dhakal

Reg.No-2021-2-08-0245 Roll. No- [21080242]

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# SUPERVISOR’S RECOMMENDATION

I hereby recommend that this project prepared under my supervision by Ganga Saru, Sadhana Gautam, Suman Bhandari and Upendra Dhakal entitled " **Kitab Kunj- An Online Book Store** " in partial fulfilment of the requirements for the degree of Bachelors of Computer Information System is recommended for the final evaluation.

………………………

Mr. Chiranjivi Regmi

Supervisor

Crimson College of Technology

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Thanking from

…………………………. …………………….......

Ms. Ganga Saru Ms. Sadhana Gautam

(21080212) (21080232)

…………………………. …………………………

Mr. Suman Bhandari Mr. Upendra Dhakal

(21080239) (21080242)

**ABSTRACT**

*Kitab Kunj*, an innovative Online Bookstore Management System, is designed to transform the way books are bought and sold in the digital age. This comprehensive platform simplifies every aspect of bookstore management, from browsing and purchasing books to inventory control and customer management. *Kitab Kunj* provides users with an intuitive interface to search for books, place orders and manage their collections effortlessly.

For bookstore owners, the system offers a powerful set of tools to handle inventory, track sales, manage orders, and generate insightful reports. The platform ensures a seamless experience for both customers and owner, with features that minimize errors and maximize efficiency. With its easy-to-use interface and robust capabilities, *Kitab Kunj* enhances the overall operational flow of online book retailing.

*Kitab Kunj* represents a significant leap forward in the world of digital book retail, marking a new era where readers can access their favorite books with ease, and bookstores can optimize their operations for better customer satisfaction and business growth. In an industry where timely deliveries and accurate order processing are crucial, *Kitab Kunj* sets a new standard, promising to redefine the experience for both book lovers and bookstore managers alike.

**TABLE OF CONTENTS**

ACKNOWLEDGEMENT……..................................................................................................i

ABSTRACT..............................................................................................................................ii

TABLE OF CONTENT………................................................................................................iii

LIST OF FIGURES….………..................................................................................................iv

LIST OF TABLES.….………...................................................................................................v

LIST OF ABBREVIATION.....................................................................................................vi

**UNIT1: INTRODUCTION OF THE PROJECT**…………………………………………..1

* 1. Introduction………………………………………………………………………...2
  2. Problem Statement………………………………………………………………….2
  3. Objective…………………………………………………………………………...3
  4. Scopes and Limitations……………………….……………………………………3
  5. Methodology………………………………………………………………….........5

**UNIT 2: BACKGROUND STUDY AND LITERATURE REVIEW**……………………..6

* 1. Background Study………………………………………………………………….7
  2. Literature Review...…………………………………………………………………7

**UNIT 3: SYSTEM ANALYSIS AND DESIGN**………………………………………........11

1. System Analysis…………………………………………………….……………..12
2. Requirement Analysis…………………………………………………………12
3. Feasibility Analysis……………………………………………………………15
4. Analysis………………………………………………………………………..17

**UNIT 4: SYSTEM DESIGN**………………..………………………………………………19

* 1. Design …………………………………………………...………………………..20
  2. Component Diagram………………………………………………………………20

**UNIT 5: IMPLEMENTATION AND TESTING**…………………………………………22

1. Implementing Tools………………………………………………………………23
2. Testing………………………………………………………….………………....24
3. Result Analysis…………………………………………………………………...27

**UNIT 6: CONCLUSION AND FUTURE RECOMMENDATIONS**…………………….28

* 1. Conclusion……………………………………………………………………..….29
  2. Lessons Learnt/Outcome………………………………………………………….29
  3. Future Recommendation…………………………………………………………..29

**REFERENCES**……………………………………………………………………………...30

**APPENDICES**…………..………………………………………………………………..…31

**SUPERVISOR LOG FILE**..…………………...………………………………………..….34

# LIST OF FIGURES

[Figure 1. 1: Agile Methodology ...](#_bookmark15)5

[Figure 3. 1: Use Case Diagram …1](#_bookmark25)3

Figure 3. 2: Gantt chart of work schedule ....16

Figure 3. 3: Class Diagram ....17

Figure 3. 4: Activity diagram ....20

Figure 4. 1: Repository System Architecture Design ....20

Figure 4. 2: Component Diagram ....21

# LIST OF TABLES

[Table 5.1: Test case for Unit Testing ..2](#_bookmark59)4

[Table 5.2: Test case for System Usability Testing 2](#_bookmark60)6

[Table 5.3: Test Case for Book Order Function](#_bookmark62) 26

**LIST OF ABBREVIATION**

CSS Cascading Style Sheet

HTML Hypertext Markup Language

IDE Integrated Development Environment

IoT Internet of Things

JS JavaScript

JSON JavaScript Object Notation

JWT JSON Web Tokens

OBSS Online Book Store System

SQL Structured Query Language

UI User Interface

**UNIT :1**

**INTRODUCTION OF THE PROJECT**

* 1. **Introduction**

The Online Book Store System represents a modern solution aimed at providing convenient access to a vast array of literature in digital and physical formats, leveraging the Internet of Things (IoT) technology.

The primary objective of the Online Book Store System is to offer a seamless and user-friendly platform for individuals to explore, purchase, and enjoy a diverse selection of books from various genres and authors. By harnessing IoT devices and technologies, the system aims to enhance the overall shopping experience while ensuring efficiency and accessibility for users.

Key components of the Online Book Store System include a sophisticated catalog management system, robust user authentication mechanisms, secure payment processing systems, and intuitive browsing interfaces. These components work together to provide users with a comprehensive and personalized experience tailored to their preferences and interests.

One of the defining features of online bookstores is their ability to leverage technology to enhance the shopping experience for consumers. Advanced algorithms analyze browsing history and purchase patterns to offer personalized recommendations, allowing users to discover new titles tailored to their interests.

* 1. **Problem Statement**

Existing system lacks the efficiency and flexibility as needed for the user in today’s world. To talk more about it, the offline store where maximum books were available are sometimes far and sometimes too expensive than the actual price.

In the previous approaches of online book stores, the inefficiency and lack of continuity was seen. The previous websites prioritized majorly on new books only but didn’t think about reusing the books availability to the user.

Additionally, the problem of smooth functioning and lack of fast processing time was observed which was obviously a major problem in the world with the high speed internet connection in everyone’s hand.

* 1. **Objective**

1. **Provide Access to a Wide Range of Book**

One of the primary objectives of an online book store is to offer customers access to a vast selection of books across various genres, authors, and topics**.**

1. **Enhance User Experience**

Create an attractive and enjoyable browsing and shopping experience for customer satisfaction, ensure fast page loading times and provide easy checkout processes.

1. **Establish Partnerships**

To build partnerships and form collaborations to promote exclusive book releases.

1. **Competitive Pricing and Discounts**

Online bookstores often aim to offer competitive pricing on books and may provide discounts, promotions to attract and retain customers.

* 1. **Scope and Limitation**

1. **Scopes**

The scope of Kitab Kunj encompasses a wide range of functionalities to manage and streamline online bookstore operations. The key features include:

1. User **Registration and Authentication:** Secure registration and login systems for users, allowing them to create personal accounts, save preferences, and manage their book orders.
2. **Book Search and Filtering:** A powerful search engine that allows users to browse through various categories, genres, and authors. Advanced filtering options enable users to narrow down their search based on price, popularity, and other criteria.
3. **Book Details and Reviews**: Comprehensive book information, including descriptions, ratings, reviews, author biographies, and pricing. Customers can leave feedback on books they’ve read, providing social proof and aiding future customers.
4. **Shopping Cart and Order Management**: Seamless shopping cart experience, allowing users to add books, review their selections, and proceed to secure checkout. The system also tracks orders, allowing customers to view their order history and current status.
5. **Inventory Management**: Real-time inventory tracking for bookstore owners, ensuring accurate stock information and automated updates when stock levels are low. This helps in preventing overselling or stockout situations.
6. **Limitations**
7. Internet Dependency: Kitab Kunj is entirely dependent on an active internet connection. Users cannot access or purchase books without being connected to the internet.
8. **Language and Localization**: Initially, the system may support a limited number languages and currencies, which could restrict its accessibility for users in certain regions. Localization features may need to be improved over time.
9. **Shipping Constraints**: Shipping is typically dependent on third-party logistics services. If there are delays or disruptions with the shipping provider, the bookstore cannot control the timeliness of order delivery.
10. Payment Options: In this system there is absence of an integrated online payment feature. Users are unable to make payments digitally through the platform, which restricts the system's functionality, especially for those who prefer or require online payment methods.
11. **Scalability Issues**: In its early stages, the platform might face performance issues during periods of high traffic or large order volumes. Scaling up server capabilities and optimizing performance could be a challenge as the user base grows rapidly.
12. **Methodology**

# For the development of the Kitab Kunj project, we implemented the Agile methodology, which promoted flexibility and continuous improvement throughout the process. By organizing the work into iterative sprints, we were able to deliver key features incrementally, such as book search, user accounts, and secure payment systems. Regular feedback from users was incorporated after each sprint, allowing us to adjust and fine-tune the platform in real time. This iterative approach encouraged collaboration, reduced potential risks, and ensured that the final product was not only user-friendly but also efficient and reliable, effectively catering to the needs of both book buyers and sellers.

# Agile lifecycle methodology infographic is a processes to create and ...

Figure 1. 1: Agile Methodology

**UNIT: 2**

**BACKGROUND STUDY AND LITERATURE REVIEW**

* 1. **Background Study**

The Internet has been favored by more and more people for its high efficiency and richness, and e-commerce has emerged. "Ecommerce" or "electronic commerce" is the trading of goods and services on the internet. With the widespread availability of internet access and the proliferation of electronic devices, there has been a notable shift in consumer preferences towards online shopping for goods including books. This trend is further accelerated by the convenience, accessibility, and diverse offerings provided by online bookstores. The online bookstore is a form of e-commerce and book sales industry.

With the online bookstore system, customers no longer need to visit multiple physical locations in search of specific books. Instead, they can simply log on to the online bookstore system from a computer connected to the Internet. Using the search box, they can efficiently look up information about the book they're interested in. This allows the them to quickly determine whether the site has the book available for purchase. This significantly streamlines the process for every customer, saving them time and effort.

Also, to the store owners they can easily manage record of books, customers, sales and many more with the help of this system. It plays significant role to save time and labor of both store owner and customer.

* 1. **Literature review**

The literature review is one of the important parts of the whole process that provides detailed knowledge and understanding of the topic. This section includes various views, opinions and statements of the different authors regarding the main subject that is considered in the whole research study.

The rise of e-commerce has led to significant transformations in various industries, including the retailing of books. The global e-commerce market has experienced substantial growth, driven in part by the accessibility and convenience afforded by online shopping. This growth has extended to the online book retailing sector, with platforms like Amazon leading the way [1]. The growth of e-commerce has had a significant impact on the book industry, with the rise of online book stores transforming the way consumers purchase books. Several studies have looked into the benefits and drawbacks of online book stores, as well as the factors that influence consumer behavior in this area. By offering their products online, bookstore owners can reach a wider audience and tap into the growing trend of online shopping. Online booksellers can save money on overhead costs such as rent and utilities associated with having a physical store. They can also obtain valuable data on customer preferences and behavior, which can be utilized to guide marketing and stocking decisions. There is the transformative impact of e-commerce on various industries, including the book retailing sector [2]. The emergence of online platforms has led to increased competition, forcing traditional retailers to innovate and find new avenues for customer engagement.

However, there are also some disadvantages to online book stores. One issue is the potential for data privacy concerns, as these systems collect and store large amounts of personal data. Another issue is the lack of personal interaction with a knowledgeable bookseller, which can be a disadvantage for consumers who value the expertise of a professional. For online book store owner, operating an online bookstore has its share of difficulties. Maintaining a user-friendly and effective website while keeping up with technical advancements is a significant problem. Competition from more established and well-known online shops presents another difficulty for owners of online book stores.

User experience (UX) plays a pivotal role in the success of online bookstores. Hassanein and Head emphasize the importance of intuitive interfaces, streamlined navigation, and effective search functionalities to enhance user satisfaction and engagement [3]. A well-designed user interface can significantly influence purchasing decisions and user retention. Several studies have also explored the factors that influence consumer behavior in online book stores. There are seven factors that affect consumer’s online shopping buying behavior [4]. These factors are perceived ease of use, perceived risk, perceived usefulness, effect of website design, Economic factor, availability of products, and customer satisfaction**.**

### Study of Existing Systems

Some of the existing real estate platforms in Nepal include:

### Books Mandala

### Books Mandala is an online bookstore based in Pokhara, Nepal, with the goal of building Nepal's greatest community of book readers. It is a renowned online bookstore based in Nepal that offers a range of Nepali and English books. The website also offers a user-friendly interface and an expedient delivery system, which has contributed to its growing customer base. In this website, customers are able locate books by title, author, or keyword in a few seconds at most [5].

### Amazon

Amazon is the world's largest online retailer, selling a wide range of goods, including books. It uses e-catalogue to feature its products. Amazon's book section offers an extensive selection of both physical and digital books, as well as personalized recommendations and customer reviews. Amazon is a popular choice for book shoppers due to its reputation for speedy delivery and good customer care. Additionally, Amazon's use of big data and analytics to personalize the user experience has been praised by experts in the field.

### Thuprai

Thuprai is a digital platform for arts and literature. Besides being an online store for physical books with one of the largest catalogues in Nepal, It is also the only commercial platform for e-books and audiobooks. Thuprai was started in February 2019 as an e-commerce platform for selling physical books [6]. Thuprai became a prominent company for the online book business in Nepal after a few months of its launch and also started assisting publishers to explore and expand the book market.

In April 2020, Thuprai came up with an e-book platform of its own to facilitate Nepali readers with access to books from several of the major publishers in Nepal, thus becoming the only commercial platform where publishers and authors can sell e-books to readers in Nepal. New titles have been continuously added as e-books, which can be read conveniently from Android and iOS apps.

In conclusion, online book stores offer a range of benefits to consumers and have become an important part of the book industry. A successful online book store must prioritize the needs and preferences of its customers, offer a wide selection of books, and have an easy-to-use website and fast delivery. Reaching a wider customer base and reducing overhead costs and effective data management are some benefits to the online book store owner. Incorporating insights from these existing online book stores into the design and implementation of the new online book store project could help ensure its success.

**UNIT: 3**

**SYSTEM ANALYSIS AND DESIGN**

1. **System Analysis**

This section focuses on analyzing and defining the system's requirements and evaluating its feasibility. Functional requirements are illustrated through use case diagrams, depicting the interactions between users and the system. Non-functional requirements, including performance, security, and other critical attributes, are also addressed. Furthermore, the feasibility analysis assesses the project's technical, operational, economic, and scheduling viability. Using an object-oriented approach, this chapter leverages tools such as class diagrams for object modeling, and activity diagrams for process modeling to thoroughly analyze and design the system.

1. **Requirement Analysis**

For any system, there are functional and non-functional requirements to be considered while determining the requirements of the system.

1. **Functional Requirement:**
2. User Management:
   * User registration and authentication

* User profile management

1. Listing Books
   * Create, edit, and delete book listings
   * Advanced search and filter functionality
2. Communication:
   * Contact and Feedback
3. Map Integration:
   * Display locations on interactive maps.
4. Admin Functions:
   * User management
   * Listing Book

**Login**

**Manage User**

**Manage Book**

**Manage Book Category**

**View Profile**

**View/Search Books**

**Add Review**

**Admin Add To Cart Customer**

**Order Book**

**Register**

**Logout**

Figure 3. 1: Use Case Diagram

Only authentic users must have access to the system.

**Admin:**

Admin must be authenticated before accessing system. They’ll be able to access admin dashboard.

The admin will be able to:

* Add/Update/Delete Book and its category
* Book stock management
* Customers’ order management
* Manage customers details

**Customer:**

Customer will be able to view/search books on the website. Also, they can register on the website. They can’t place order without logging in to the system.

The Customers’ will be able to:

* Search/filter/view books
* Add to cart
* View cart
* Add review to the book they purchase

1. **Non-functional Requirements**

**Security**: The system can only be accessed after login. Users can login with username and password.

**Usability**: The system will be user friendly. The UI should be simple enough for everyone to.

**Accuracy**: The data stored about the books and the customers should be correct, consistent, and reliable.

**Availability**: The System should always be available at the time of need.

**Maintainability**: The software should be easily maintainable and adding new features and making changes to the software must be as simple as possible.

1. **Feasibility Analysis**

We conducted a detailed analysis by considering different aspects of a proposed project in order to determine the likelihood of it succeeding. It helped us in determining the viability of an idea, such as ensuring a project is legally and technically feasible as well as economically justifiable.

Four major analysis is done to predict the system to be success and they are as follows:

•Technical Feasibility

•Operational Feasibility

•Economic Feasibility

•Schedule Feasibility

* 1. **Technical Feasibility**

This study is carried out to check the technical requirements of the system. We can strongly say that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the development of the software are easily collected.

* 1. **Operational Feasibility**

System is easy to operate with the basic knowledge of computation and internet. User can easily access the system as it is user friendly in many aspects.

* 1. **Economic Feasibility**

Development of this application is highly economically feasible. For the Company, minimum cost involved will only be a decent computer system and some other minimal cost for launching a website. For user to access the website, only internet cost in involved.

* 1. **Schedule Feasibility**

This project is doable within a set timeframe using a Agile model. This helps us avoid confusion and delays, making sure we finish on time. The plan we have lets us work on each part one after the other, so things should stay on track.

Figure 3.2: Gantt chart of work schedule

1. **Analysis**
2. **Class Diagram**

A class diagram is a specific kind of UML (Unified Modelling Language) diagram that will be used to show how a system or software application is organized. It will provide a visual representation of a system's classes, interfaces, and objects, as well as their relationships, characteristics, methods, and activities.

For the Kitab Kunj project, a class diagram will be used to model the different entities involved in the system, such as users, orders, admin, etc.

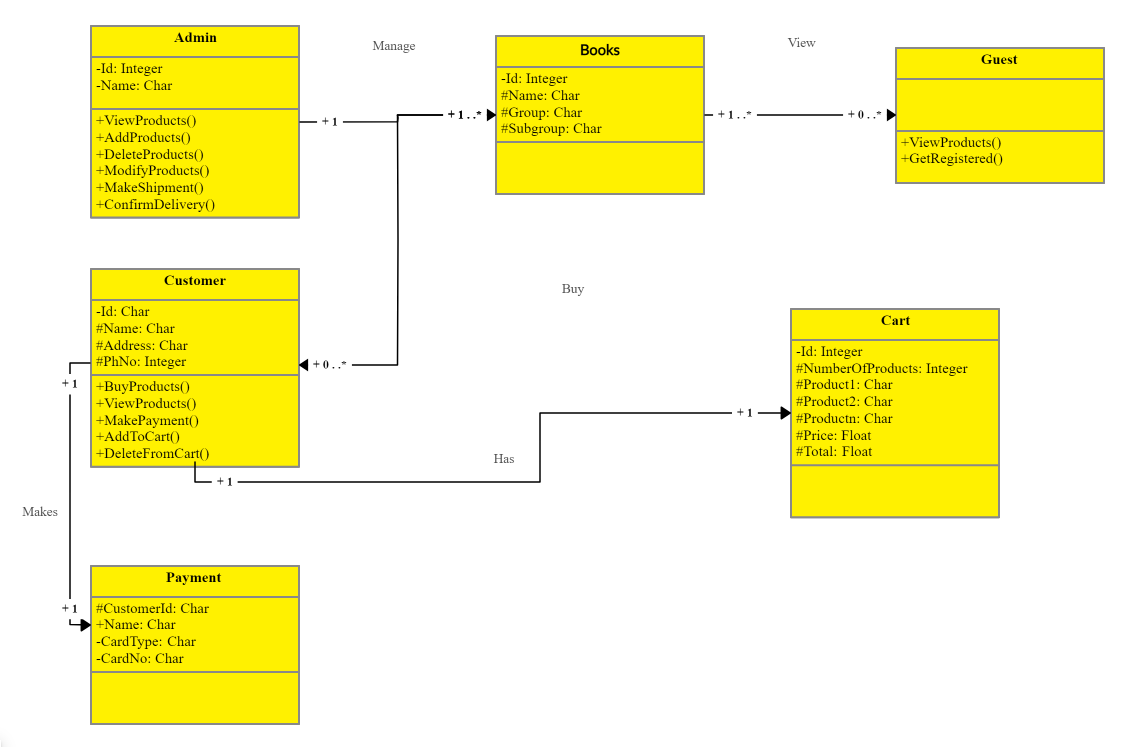


Figure 3.3: Class Diagram for Kitab Kunj

The diagram provides a clear overview of the system’s functionality, showing how different users (Admin, Seeker, and Company) interact with the Book listings. Admins manage the system by adding or deleting books and generating reports. Seekers can search for book, view details. Company can list new books, update existing listings, and manage their profiles.

* 1. **Activity Diagram**

An activity diagram is a type of UML (Unified Modelling Language) diagram that will show the flow of actions and events in a system or process. It will be used to model the dynamic behavior of a system, such as the interactions between actors, objects, and component.

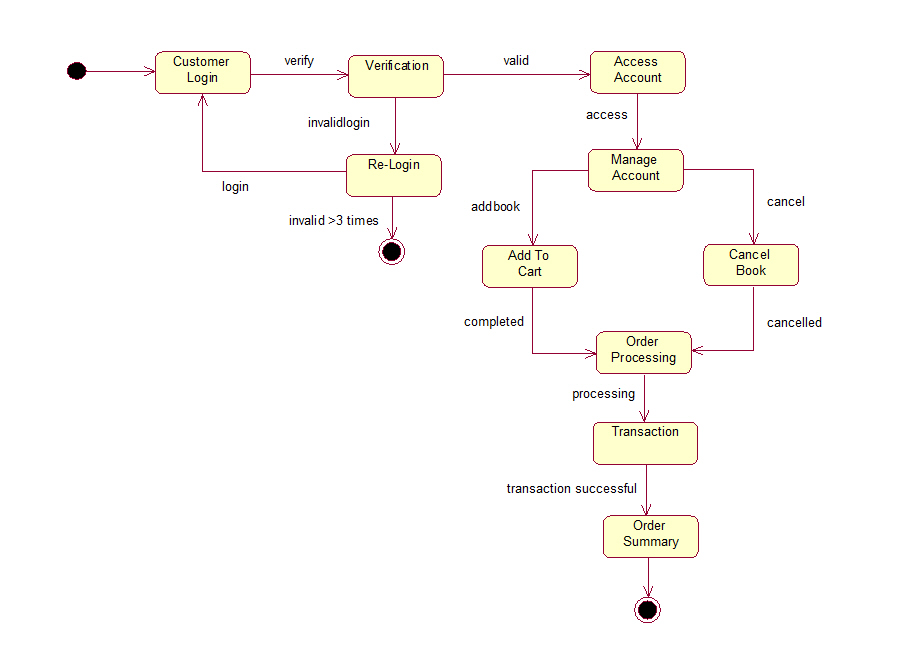


Figure 3.4: Activity Diagram

The above activity diagram for a customer on the Kitab Kunj online bookstore outlines the customer's journey from accessing the website to logging out. It includes actions such as browsing and searching for books, viewing detailed descriptions, adding books to the shopping cart , placing an order, and making payments. Customers can also track their orders and leave reviews. This visual representation provides a clear understanding of the customer’s interactions with the system, ensuring a seamless and user-friendly shopping experience.

# UNIT: 4

# SYSTEM DESIGN

1. **Design**
2. **System Architecture Diagram**

System architecture design refers to the conceptual model that defines the structure, behaviors, and more views of a system. It is a blueprint for the system and the development

Buy

Manage User

Search Books

Manage Books

Database

Register

Admin User

Monitor System

Add To cart

Figure 4.1: Repository System Architecture Design

The figure above represents an interaction model between administrators, customers, and the central database in an online bookstore system. Administrators have various functionalities: they can manage customer accounts, oversee inventory and book listings, and monitor overall system activities. Customers begin by registering, after which they can browse and search for books, place orders, leave reviews, and manage their shopping carts. Additionally, customers can track their orders and access support for inquiries or issues related to their purchases.

1. **Component Diagram**

A component diagram is a type of Unified Modelling Language (UML) diagram that depicts the high-level structure of a system, showcasing the components that make up the system and their relationships.

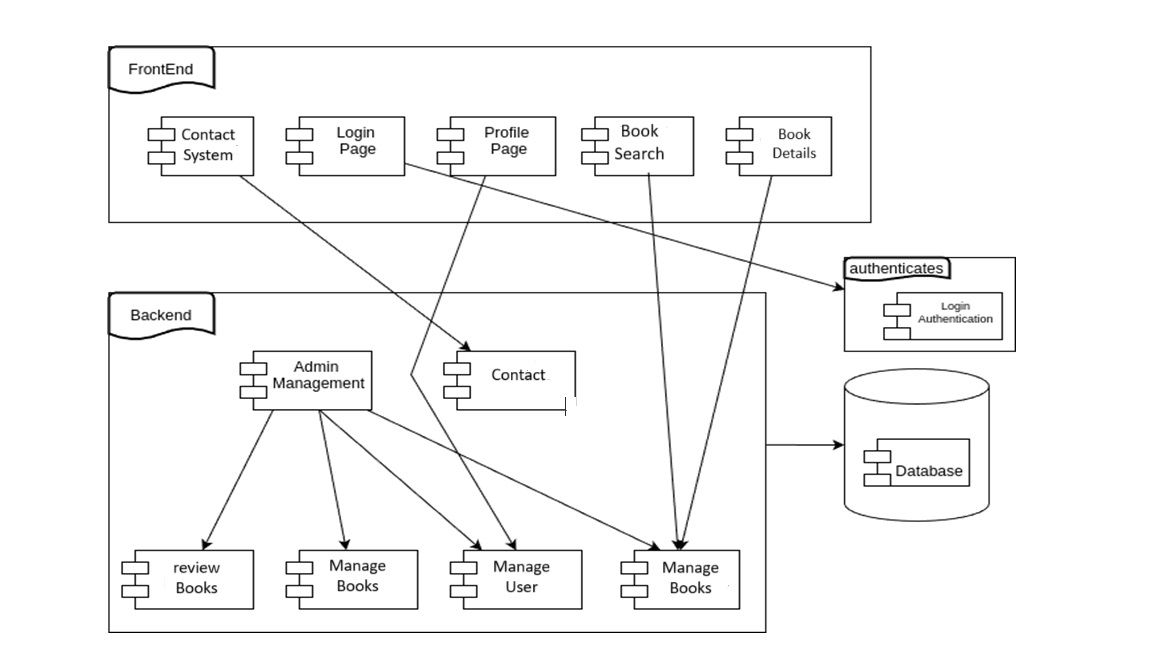


Figure 4.2: Component Diagram

The component diagram outlines the architecture of an online bookstore system, illustrating the interactions between various components. Both Admin and Customer entities access the system through the Website. The main interface for both is the Homepage, which serves as a central hub, connecting users to key functionalities such as Search, Register, Login, and Browse Books. Once a customer logs in, they can add books to their cart, place orders, and leave reviews. The Admin Panel is accessible only after logging in and allows administrators to manage inventory, book listings, and monitor system activities. The diagram highlights how different components, such as the homepage, login system, book catalog, and shopping cart, are interconnected, ensuring a seamless flow of actions within the online bookstore system.

# UNIT : 5

# IMPLEMENTATION AND TESTING

## **Implementing Tools**

**Frontend:**

1. ReactJS: A JavaScript library for building user interfaces, providing a component-based architecture for efficient development.
2. React Router: For handling routing in the single-page application.

**Backend:**

1. Nest.js: A progressive, versatile Node.js framework for building efficient and scalable server-side applications.
2. My SQL: An open-source relational database management system known for its reliability, scalability, and ease of use.

**Authentication:** - JSON Web Tokens (JWT): For secure authentication and authorization.Also, we used other various software like Microsoft Word and Google Docs to create documentation, Google meet for communication, MySQL workbench to implement this project on local server and Visual Studio Code as an IDE. We used <https://app.creately.com/> website to create different diagrams and https://www.design.com to create logo.

1. **Implementation details of modules**

The implementation involved the development of specific modules to fulfill various aspects of the Online Book Store:

1. **User Registration and Login**: This module focused on building a user-friendly interface using React for account creation and login functionalities. For secure authentication and authorization, JSON Web Tokens (JWT) were employed for client-side validation, while the server-side logic was managed by NestJS, ensuring a robust and scalable system.
2. **Book Management**: The book management module allows the admin to manage information about the available books. This includes adding new books, updating details such as titles, authors, descriptions, and categorizing them by genre or type.
3. **Order Management**: The admin can manage customer orders in this module. This includes processing orders, updating their status, generating invoices, and ensuring timely delivery.
4. **Sales Reporting**: The admin can generate sales reports based on different parameters, providing insights into total sales, top-selling books, and customer purchasing trends.
5. **Order Processing**: Customers can browse and order books through this module. Additionally, customers can track the status of their orders from placement to delivery.
6. **Testing**

Software Testing is the process of testing the functionality and correctness of software. For the web-app to be deployed it has to be tested. Hence test cases are written to test this application. We focused the test cases on functionality and security of the system. We run test on various browsers making sure that the website produces the same result and is stable on the major popular browsers.

1. **Unit Testing**

We tested the smallest testable parts of an application, called units, are individually and independently scrutinized for proper operation. The main objective of unit testing is to isolate written code to test and determine if it works as intended.

**Table 5.1: Test case for Unit Testing**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TC**  **Id** | **Test**  **Case** | **Test** **Data** | **Description** | **Expected**  **Result** | **Actual**  **Result** | **Rem**  **arks** |
|  |  | User Name:  user@gmail  .com |  |  |  |  |
| 1 | Testing Login | Password:  user@123 | While entering incorrect  credentials | Show error message | As expected  result | Pass |
|  |  |  |  |  |  |  |
| 2 | Testing Login | User Name:  user@gmail.com Password:  user@123 | Admin tries to login entering correct details | Redirect to admin dashboard page | As expected result | Pass |
| 3 | Testing Logout | Click logout button | Clicking logout button | Redirect to login page | As expected  result | Pass |
| 4 | Testing Customer Registration | Enter all required data | Any of the field is left empty | Show error message | As expected result | Pass |
| 5 | Testing Customer Registration | Enter all required data | All details are entered correctly | Registration successful | As expected result | Pass |
| 6 | Testing  Add to Cart | Click Add to cart button | Clicking Add to cart button | Show success message | As  expected result |  |
| 7 | Testing Product order | Click checkout button and confirm order | Clicking checkout button and confirming  order | Show order successful message | As expected result | Pass |
| 8 | Testing adding product by  admins | Fill all the product details | While entering all details | Show success message | As expected result | Pass |
| 9 | Search for a specific book  Using its title | Enter title of the existing book.  Title: Seto Dharti | Entering correct details | Display searched book | As expected result | Pass |
| 10 | Click on Home in menu | Click Home | Clicking Home in menu bar | User is redirected to the homepage | As expected result | Pass |

1. **Test Cases for System Testing**

System Testing includes testing of a fully integrated software system. We conducted system testing on a complete integrated system to evaluate the system's compliance with its specified requirements.

**Table 5.2: Test Case for System Usability Testing**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test** **Steps** | **Test** **Data** | **Expected**  **Result** | **Actual** **Result** | **Status** |
| 1 | Navigate to Shop menu. | Click | Redirect to Shop page. | As Excepted | Pass |
| 2 | Navigate to About Us menu. | Click | Redirect to About us page. | As Excepted | Pass |
| 3 | Navigate to View About Us menu. | Click | Redirect to About Us page. | As Excepted | Pass |
| 4 | Navigate to About Us menu. | Click | Redirect to About us page. | As Excepted | Pass |

**Table 5.3: Testing Order Book Function**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Test** **Steps** | **Test** **Data** | **Expected**  **Result** | **Actual** **Result** | **Status** |
| 1 | Navigate to checkout  button. | Click | Redirect to Add book  page. | As Excepted | Pass |
| 2 | Fill checkout form and click confirm order | All required information in the form. | Show success message | As Excepted | Pass |

1. **Result Analysis**

The test results for the Kitab Kunj demonstrate that the system is robust and effective in handling both customer and admin interactions. The registration and login features are secure and intuitive, providing clear feedback for cases like incorrect credentials or incomplete forms. The account setup process is protected against common issues, ensuring a hassle-free experience for users.

All test cases labeled "Test Successful" confirm that the system functions as expected according to the specified requirements. The platform successfully handled various user scenarios, including book browsing, adding items to the cart, placing orders, and administrative tasks such as managing inventory and monitoring orders.

In conclusion, the test results show that Kitab Kunjis fully functional, user-friendly, and ready for deployment. The system is designed to provide a smooth shopping experience for customers and efficiently support its purpose in the online bookstore market.

# UNIT: 6

# CONCLUSION AND FUTURE RECOMMENDATIONS

1. **Conclusion**

The development of the Kitab Kunj platform has successfully addressed the need for a more dynamic and user-friendly online bookstore experience. By integrating features such as book browsing, purchasing, and secure order tracking, the platform offers a comprehensive solution for book lovers and readers.

Using the Agile methodology, we continuously refined and improved the platform based on user feedback and iterative testing. After thorough evaluation, we have confirmed that the system is both reliable and efficient, positioning Kitab Kunj as a valuable tool in the online retail market. The successful implementation of this platform is set to enhance the book-buying process, providing an accessible and streamlined experience for customers and book enthusiasts alike.

1. **Lessons Learnt/Outcome**

As a student involving in this project, I learned a lot throughout during this project. I realized importance of planning and good communication, also I learned to visualize the requirements of the clients and implementing it in my project. This project focuses on bringing traditional book stores to online platform.

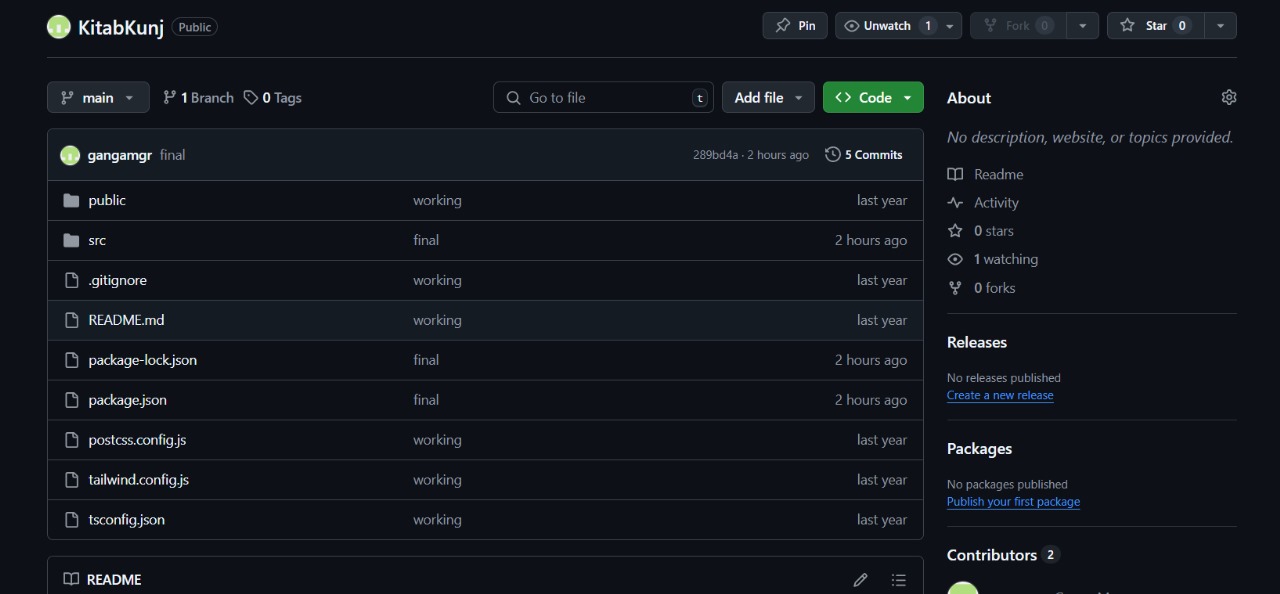
1. **Future Recommendation**
2. **Expand Features:** Consider adding advanced functionalities such as personalized book recommendations based on reading history, integration with eBook and audiobook platforms, and offering book previews or virtual book clubs to enrich the user experience.
3. **Develop a Mobile App**: Build a mobile application to give users the convenience of browsing, purchasing, and tracking orders directly from their smartphones, improving accessibility and engagement with the platform.
4. **Integrate Payment System**: Implement a secure and seamless payment gateway supporting multiple payment options, including credit/debit cards, digital wallets, and bank transfers. Ensure compliance with security standards like PCI DSS to protect user data and provide a smooth checkout experience.
5. **Provide SMS Notifications**: Implement an SMS notification service to keep customers informed when their orders are processed, shipped, or delivered. Additionally, use SMS alerts for promotional offers, special discounts, and personalized recommendations to enhance customer engagement and satisfaction.

# REFERENCES

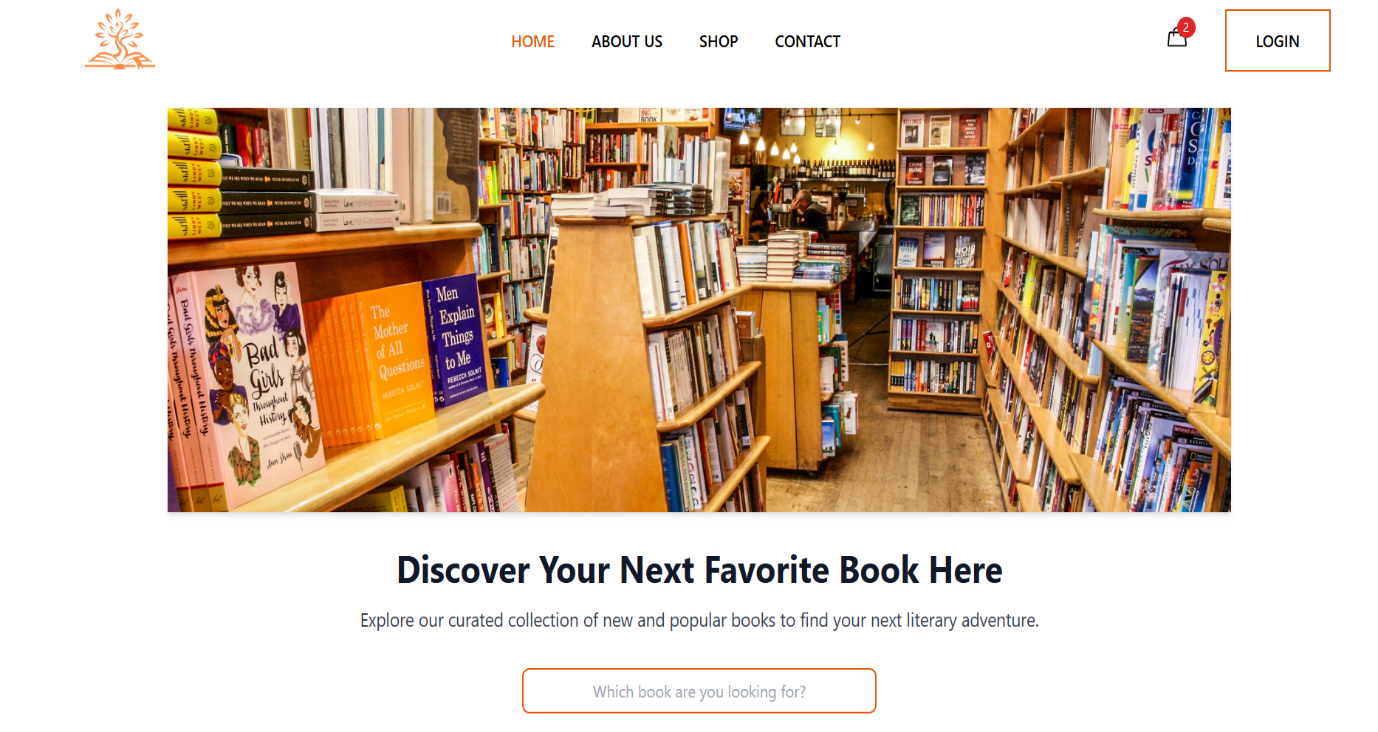
1. A. Molla and P. S. Licker, “eCommerce adoption in developing countries: a model and instrument,” *Information* *and* *Management,* vol. 42, no. 6, pp. 877-899, 2005.
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6. Thuprai, “About Us,” [Online]. Available: <https://thuprai.com/about/> [Accessed sept 15,2024]

# APPENDICES

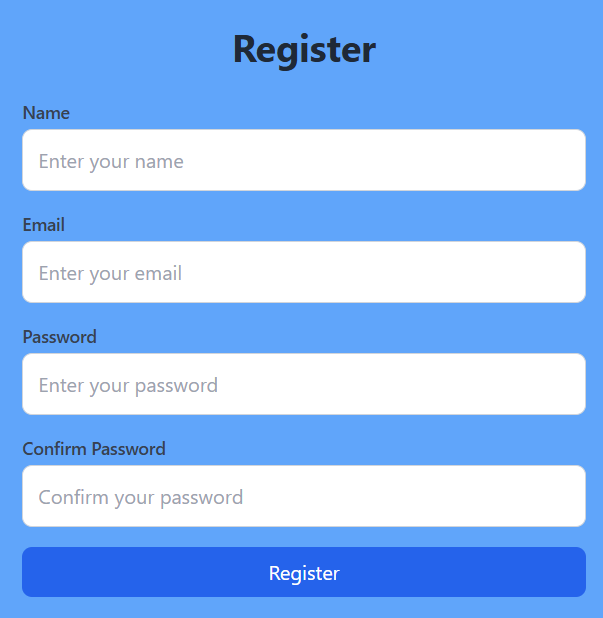
### Screenshot of GitHub Repository

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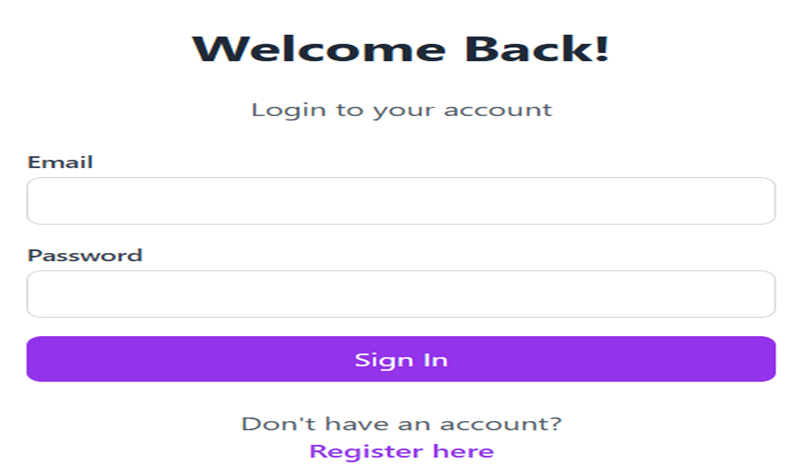
**Screenshot of Home Page**

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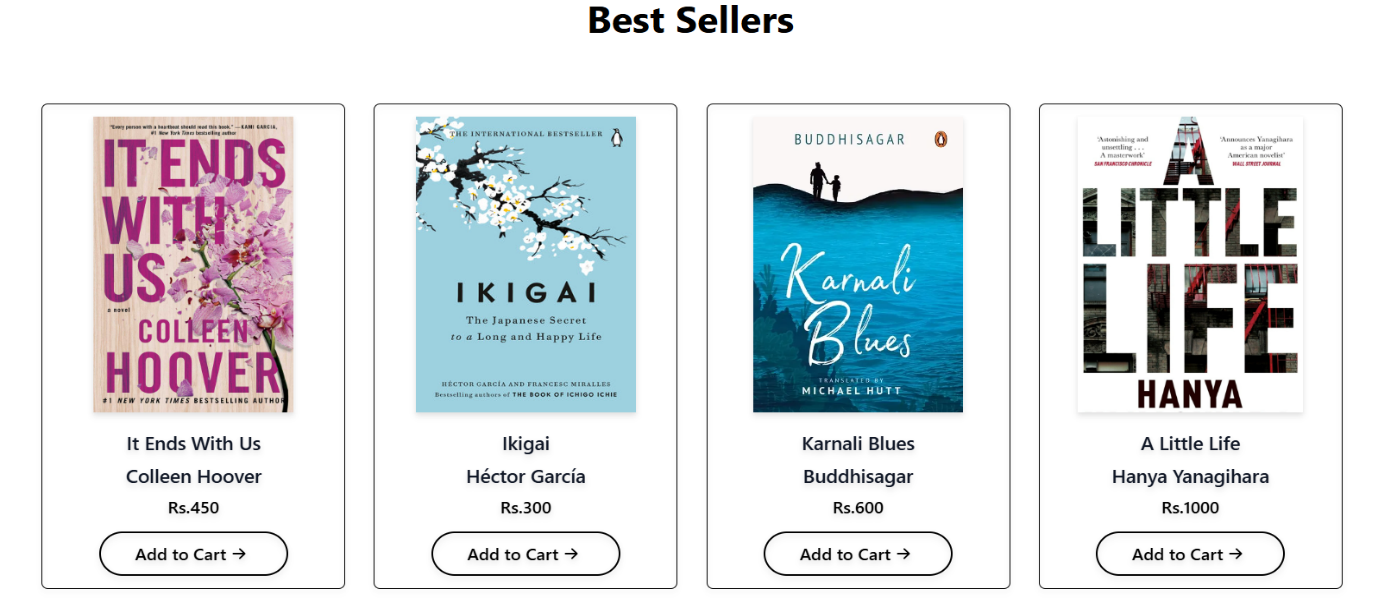
**Screenshot of Login Page**

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**Screenshot of Login Page**

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**Screenshot of Bestseller Page**

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**Supervisor Log File**

**Name of supervisor: Chiranjivi Regmi**

**Name of project: Kitab Kunj - An Online Book Store**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Length of Session (minute)** | **Methods of Supervision** | **Feedback From**  **Supervisor** | **Signature of Supervisor** |
| **2081/03/20** | **30** | **Verbal Exchange** | **About the mid-defense report and presentation** |  |
| **2081/04/5** | **30** | **Direct observation** | **Make a proper user and admin validation** |  |
| **2081/04/12** | **20** | **Direct observation** | **Add cart function** |  |
| **2081/04/23** | **30** | **Verbal Exchange** | **Make cart function well functionable** |  |
| **2081/05/7** | **35** | **Direct observation** | **Suggestion to make better user interface** |  |
| **2081/05/24** | **30** | **Verbal Exchange** | **About the data correction of redundancy while listing the books** |  |

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Ms. Ganga Saru Ms. Sadhana Gautam

(21080212) (21080232)

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Mr. Suman Bhandari Mr. Upendra Dhakal

(21080239) (21080242)