



Tribhuvan University Faculty of Humanities and Social Sciences

An Ecommerce Platform- RUDRANDTRA

ECOMMERCE PROJECT REPORT

Submitted to Department of Computer Application

Triton SS & College

In partial fulfilment of CACS 301 MIS and E-Business requirements for the fifth semester of the Bachelor in Computer Application program

Submitted By

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Tribhuvan University Faculty of Humanities and Social Sciences
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SUPERVISOR'S RECOMMENDATION

I hereby recommend that this project prepared under my supervision by Sajan Karki, and **Tulsi Ram Dhakal** entitled “**AN ECOMMERCE PLATFORM- RUDRANTRA**” in partial fulfilment of the requirements of the requirements for the degree of Bachelor of Computer Application is recommended for the final evaluation.

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**Tribhuvan University Faculty of Humanities and Social Sciences Triton SS &
College**

LETTER OF APPROVAL

This is to certify that this project prepared by Tulsi Ram Dhakal, and **Sajan Karki** entitled “**AN ECOMMERCE PLATFORM- RUDRANTRA**” in partial fulfilment of the requirements for the degree of Bachelor of Computer Application has been evaluated in our opinion. It is satisfactory in scope and quality as a project for the required degree.

<hr/> Jiwan Khadka Project Supervisor Triton SS & College Koteshwor-32, Kathmandu	<hr/> Milan Baral Co-Ordinator Triton SS & College Koteshwor-32, Kathmandu
<hr/> Internal Examiner	<hr/> External Examiner

ABSTRACT

This report details the development and implementation of RUDRANTRA, an online ecommerce platform designed to facilitate the sale of various products like Rudraksa, ornaments, and accessories. The project employs a full-stack approach, utilizing Next js, for the frontend and Mongo DB for the backend to provide a seamless and efficient user experience. Cloudinary is used for lightweight and reliable media management. The development methodology follows an iterative Waterfall Model, encompassing requirements gathering, system design, implementation, and testing. The process began

with creating Entity-Relationship Diagrams (ERDs), Data Flow Diagrams (DFDs), and a comprehensive database schema to establish a strong foundation for the system. The frontend was developed using Next JS, Framework with Typescript, ensuring a dynamic and responsive user interface, while the backend was implemented using Mongo DB, providing secure and efficient handling of business logic and data processing. Cloudinary manages media like Images and videos in Cloud space for this system.

The system allows users to register, browse for products, and add items to their cart for purchase. It includes a streamlined checkout process that supports secure transactions, order tracking, and payment processing. Comprehensive testing, including unit and system testing, was conducted to validate functionality, performance, and reliability, ensuring that all components meet the requirements.

Key lessons learned during the project include the efficient integration of Next js Framework frontend with Mongo DB backend, improvement in Typescript and Mongo DB proficiency, and the creation of comprehensive data models and design tools. The outcome is a functional and user-friendly ecommerce platform that simplifies the browsing, selection, and purchase of products such as spiritual artifacts, accessories, and ornaments.

ACKNOWLEDGEMENT

We would like to express our sincere gratitude to everyone who contributed to the development of the "An Ecommerce Platform– RUDRANTRA " project.

First and foremost, we would like to thank our project supervisor, **Jiwan Khadka** Sir for his invaluable guidance, support, and encouragement throughout this project. His expertise and insights were instrumental in shaping the direction and scope of this platform. Additionally, we extend our appreciation to our Co-ordinator **Milan Baral** Sir for providing the resources and support necessary to complete this project. The access to facilities and technology greatly facilitated our work.

Finally, we are thankful to our families and friends for their unwavering support and encouragement throughout this journey. Their belief in our abilities kept us motivated and focused.

This project would not have been possible without the contributions of all these individuals and organizations. Thank you for your support.

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LIST OF ABBREVIATIONS

CASE - Computer-Aided Software Engineering

CSS - Cascading Style Sheets

DFD - Data Flow Diagram

HTML - Hypertext Markup Language

MySQL - My Structured Query Language

UI/UX - User Interface/User Experience

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CHAPTER 1: INTRODUCTION

1.1 Introduction

In today's digital age, online shopping has become an integral part of everyday life, offering convenience, variety, and accessibility to consumers worldwide. However, many individuals still face challenges when it comes to finding authentic products, with genuine prices, and enjoying a smooth shopping experience on reliable platforms. Traditional shopping methods can be time-consuming and geographically limiting, while the growing demand for online retail continues to reshape consumer habits.

To address these challenges, RUDRANTRA was developed as a modern ecommerce platform that allows users to easily browse and purchase a quality of products, ornaments, and accessories. By leveraging Next.js Framework for a dynamic, responsive frontend and Mongo DB for a secure, efficient backend, RUDRANTRA delivers a seamless and engaging user experience.

The platform is designed to simplify the online shopping process, offering an intuitive interface, organized product categories, and clear pricing information. Users can register, manage their profiles, search for products, and complete purchases through a streamlined checkout process.

By focusing on convenience, usability, and secure transactions, RUDRANTRA enhances access to fashion and lifestyle products, making online shopping more enjoyable and efficient. Through this project, we aim to create a reliable, scalable, and user-friendly ecommerce solution that meets the evolving expectations of modern consumers.

1.2 Problem Statement

The current online market for spiritual and religious items presents several challenges: difficulty finding certified Rudraksha, inconsistent quality of ritual products, and unreliable sourcing. Devotees often face fragmented experiences across generic platforms, leading to wasted time and eroded trust in sacred purchases. Additionally, most websites lack specialized categorization, spiritual authentication, and devotional user interfaces, deterring serious buyers.

Therefore, there is a clear need for a centralized, authentic, and intuitive e-commerce platform that provides users with verified Rudraksha, ritual accessories, and spiritual guidance. RUDRANTRA aims to address these challenges by offering a dedicated solution that enhances accessibility, builds trust through certification, and ensures a seamless shopping experience for sacred items.

1.3 Objectives

The primary objectives of our ecommerce platform are focused on enhancing the online shopping experience for users. The major objectives of the project are:

- i. To provide features for browsing and purchasing products in an organized and relevant manner.
- ii. To implement a streamlined and secure checkout process that minimizes unnecessary steps and ensures a smooth, efficient purchasing experience.

1.4 Scope and Limitation

Scope:

The RUDRANTRA e-commerce platform aims to provide a comprehensive solution for users seeking authentic spiritual items. It includes features that allow users to browse and check for Rudraksha beads, ritual accessories, and meditation tools, view detailed listings with spiritual significance, origin certifications, and pricing, add items to their cart, and complete purchases through a secure checkout process.

The platform facilitates smooth interactions between users and administrators, ensuring secure and reliable transactions for sacred products. It supports a wide variety of devotional categories, including Rudraksha (1-21 mukhi), malas, yantras, incense, and puja essentials, with options for users to filter and sort products by spiritual attributes (e.g., deity association, astrological relevance).

Additionally, RUDRANTRA includes administrative functionalities for managing users, certified products, orders, and payments, ensuring a safe, well-organized, and scalable environment for both devotees and admins.

Limitations:

The system also has some limitations which are specified below:

- i. Product Authenticity & Sourcing Dependence – While the platform enables browsing and purchasing certified Rudraksha and spiritual items, it does not directly guarantee the ritual efficacy or astrological outcomes of items. Users rely on the supplier certifications and traditional wisdom provided.
- ii. Limited Spiritual Guidance Tools – Direct communication between users and spiritual experts is minimal, which may make it challenging to resolve devotional queries within the platform itself.
- iii. Inventory & Availability Constraints – As Rudraksha and rare ritual items depend on seasonal sourcing and ethical harvesting; users may experience limited choices for high-mukhi Rudraksha or sacred artifacts at times.

1.5 Report Organization

Chapter 1: Introduction

Chapter 1 introduces the RUDRANTRA e-commerce platform by highlighting its significance and context within the field of spiritual and devotional shopping. It identifies the problem statement, outlining the key challenges users face when purchasing Rudraksha, ritual items, and religious artifacts online. The objectives of the project are clearly stated to specify what the platform intends to achieve, such as simplifying access to certified sacred items and ensuring a smooth checkout process. The scope and limitations of the system are also defined to establish the boundaries of the project and clarify what features are included. Lastly, this chapter outlines the organization of the report, providing readers with a clear guide to the overall structure.

Chapter 2: Background Study and Literature Review

Chapter 2 begins with a detailed background study, explaining the core concepts, technologies, and terminologies relevant to the development of the RUDRANTRA

ecommerce platform. It then presents a comprehensive literature review that examines existing research, studies, and similar ecommerce projects, offering insights into current industry practices. This review provides the necessary foundation and context, helping to justify the approach and design decisions made for the current project.

Chapter 3: System Analysis and Design

Chapter 3: System Analysis and Design Chapter 3 begins with a detailed system analysis, where the requirements for the project are thoroughly examined. This includes defining functional requirements using use case diagrams or descriptive lists, as well as outlining non-functional requirements such as technical, operational, economic, and scheduling feasibility. The chapter then moves on to data modeling through Entity-Relationship (ER) diagrams and process modeling using Data Flow Diagrams (DFDs) to represent the flow of information within the system. Finally, the system design phase is presented, covering architectural design, database schema design, interface design with UI/UX considerations, and physical DFDs that depict the implementation-level details of the platform

Chapter 4: Implementation and Testing

Chapter 4: Implementation and Testing Chapter 4 covers the implementation phase of the project, detailing the tools and technologies used, including programming languages, frameworks, and the database platform. It provides a thorough explanation of module implementation, describing the procedures, functions, and features developed for each component of the system. The chapter then addresses testing, starting with unit testing to verify the functionality of individual modules, followed by system testing to ensure the overall reliability, performance, and correctness of the platform.

Chapter 5: Conclusion and Future Recommendations

Chapter 5: Conclusion and Future Recommendations Chapter 5 reflects on the outcomes and lessons learned from this project. It provides a concise summary of the project's achievements, emphasizing its contributions to the field of spiritual and religious ecommerce solutions. The chapter also presents future recommendations, suggesting

potential enhancements, additional features, or areas for further research to ensure the platform's continued improvement and relevance in serving the spiritual community.

CHAPTER 2:

BACKGROUND STUDY AND LITERATURE REVIEW

2.1 Background Study

An ecommerce platform like RUDRANTRA connects users digitally to facilitate the purchase of spiritual products such as Rudraksha beads, religious ornaments, and ritual accessories, emphasizing convenience, authenticity, and an organized shopping experience. Unlike traditional shopping methods for spiritual items, this platform leverages digital technologies to overcome challenges such as limited access to certified Rudraksha, unreliable spiritual product vendors, and time-consuming visits to religious stores. The shift to online shopping for spiritual products reflects evolving consumer behavior and the growing preference for digital marketplaces in the religious domain, aligning with broader trends in specialized ecommerce and digital spiritual consumption. These platforms enhance accessibility to a wide range of authentic spiritual products, offering users a more efficient, convenient, and secure way to shop for their religious needs.

Recent studies show a substantial increase in online shopping traffic for spiritual and religious products over the past decade, highlighting the growing importance of digital platforms in complementing or replacing traditional religious retail experiences. This trend underscores the need for innovative solutions that provide reliable, user-friendly, and efficient shopping environments for spiritual seekers, enabling consumers to make informed purchasing decisions about Rudraksha authenticity and religious item quality.

This study addresses the challenges faced by online spiritual shoppers by exploring the potential of a web-based platform tailored for purchasing Rudraksha beads, religious accessories, and other spiritual lifestyle products. By analyzing user behaviors, preferences, and the effectiveness of digital transactions in the spiritual marketplace, the platform aims to improve spiritual product accessibility, streamline purchasing processes for religious items, and ensure a smooth shopping experience for devotees and spiritual practitioners. Additionally, it seeks to integrate these insights to create a secure, organized, and scalable ecommerce solution that meets modern spiritual consumer expectations.

This study helps us understand how effective and practical an online ecommerce platform like RUDRANTRA is in delivering a seamless spiritual shopping experience. It also provides insights into the transformation of traditional religious retail practices through digital technology and the changing ways in which users prefer to browse, select, and purchase spiritual and religious products.

2.2 Literature Review

Various web platforms established for online shopping have significantly improved the process of purchasing spiritual products such as Rudraksha beads, religious accessories, and ritual lifestyle items. This review provides a detailed examination of such platforms, including Rudraksha Hub [1], Divine Store [2], and Spiritual Mart [3], focusing on their features, advantages, challenges, and impacts on online spiritual shopping behavior.

Rudraksha Hub offers a vast range of certified Rudraksha products with competitive pricing, reliable delivery options, and convenient return policies for spiritual items. However, while the platform is user-friendly, the overwhelming number of Rudraksha varieties may make product selection challenging for some users, and personalized spiritual recommendations are sometimes limited.

Divine Store operates with a strong focus on authentic religious items, providing seasonal spiritual discounts, curated ritual collections, and a loyalty program for regular devotees. Its user interface is visually appealing and spiritually engaging, but high shipping costs for certain locations and limited international reach for religious products can pose challenges. Spiritual Mart provides a wide selection of Rudraksha beads, religious accessories, and spiritual lifestyle products, often at competitive prices with frequent promotions on ritual items. It emphasizes fast delivery and customer service for spiritual products, but availability may vary by region, and some users report inconsistent authenticity verification of religious items.

These platforms enhance accessibility and convenience in online spiritual shopping while promoting user engagement through personalized religious recommendations and devotee loyalty programs. Challenges such as regional limitations, shipping costs for spiritual items, and authentic product selection highlight the complexities of maintaining a large-scale spiritual ecommerce platform. Addressing these issues is essential for improving devotee satisfaction, expanding spiritual reach, and ensuring the long-term success of online religious shopping platforms like RUDRANTRA.

CHAPTER 3: SYSTEM ANALYSIS AND DESIGN

3.1 System Analysis

The system is designed using the modified Waterfall methodology. First Planning and Analysis of the system was done. Existing system were also studied. Then the design of the system such as UI Design, Logical Design and Database design of the system were done. Afterwards the Implementation was done. Then finally testing was carried out.

Afterwards the Implementation was done. Then finally testing was carried out.

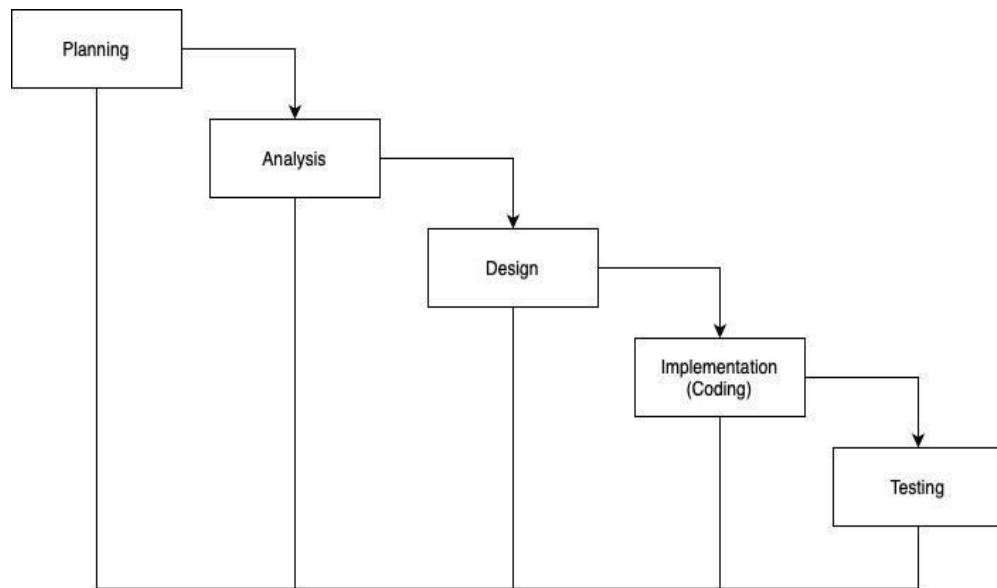


Figure 3.1: Waterfall Model used in Development of RUDRANTRA

3.1.1 Requirement Analysis

i. Functional Requirements

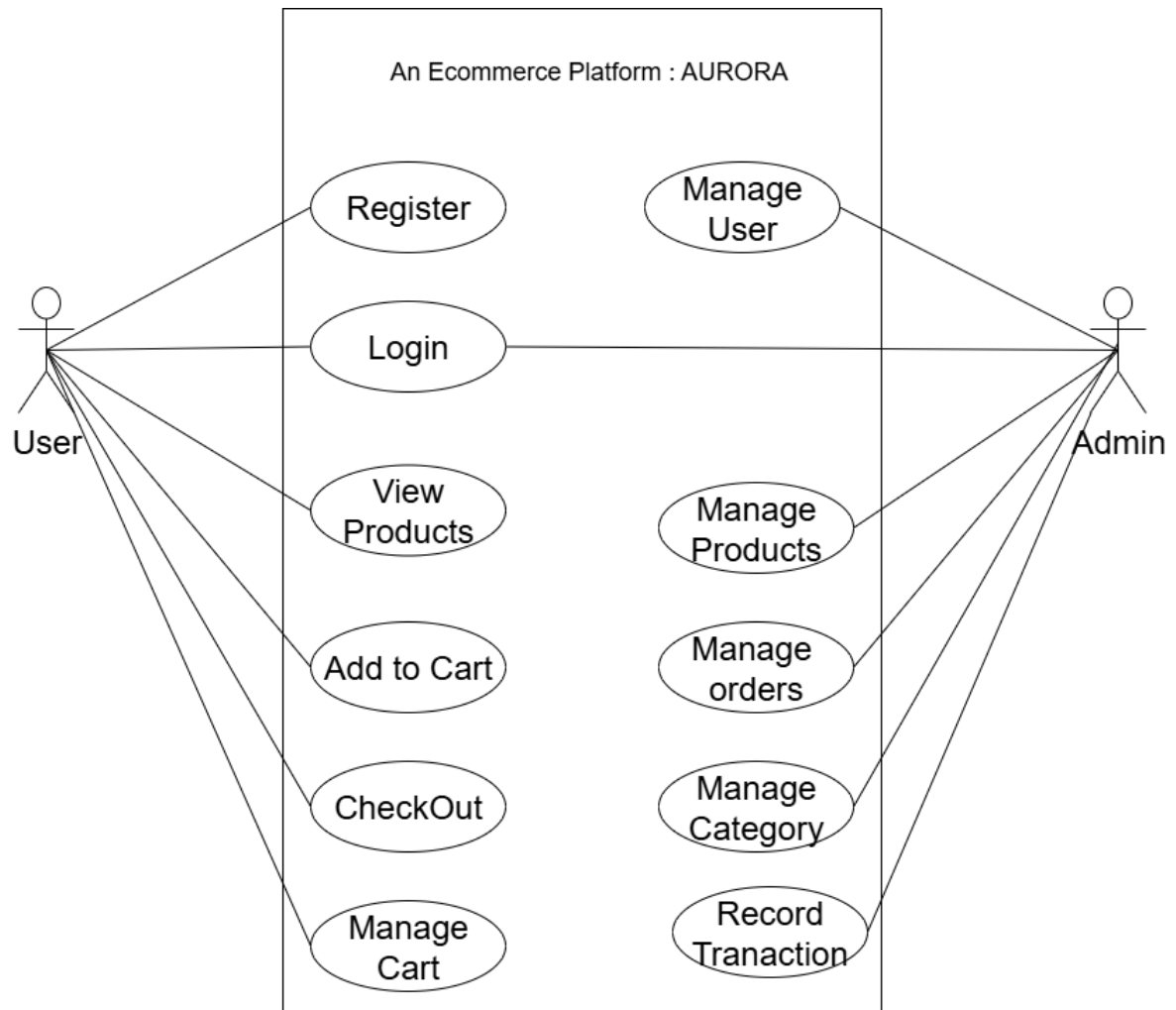


Figure 3.2: Use Case Diagram of RUDRANTRA

- i. **User Management:**
 - i. Secure Login & Registration: Users must be able to securely create accounts and log in to the platform.
 - ii. **Product Listing and Browsing:**
 - i. Product Upload/Delete: Admin should be able to upload information about the products, including name, category, description, and price.
 - ii. Product Browsing: Users should be able to browse available products by category.
 - iii. **Purchase Mechanism:**
 - i. Initiate Purchase: Users should be able to add products to their cart and complete purchases through the platform.
 - ii. Payment Processing: Users should be able to make payments securely using supported payment methods.
 - iv. **Admin Login:**
 - i. The admin must have secure login credentials for access to the admin panel.
 - v. **User Management:**
 - i. Admin should have the ability to view and manage user accounts.
 - ii. Admin should be able to delete a user for going against the terms.
 - vi. **Product Management:**
 - i. Admin should be able to view and moderate product listings for appropriateness and adherence to guidelines.
 - ii. Admin should have the ability to view/add/remove products.
 - vii. **Purchase Management**
 - i. Admin should be able to manage the progress of purchase and handle any issue which arises during transaction.
- ii. **Non Functional Requirements**
- i. **Mobile Friendly Design:** The platform should be easily accessible from mobile devices.

- ii. **Security Measures:** There should be good security measures to protect user information.

3.1.2 Feasibility Analysis

i. **Technical Feasibility**

The technical feasibility of the system relies on its effective use of modern and reliable technologies such as Next.js Framework for the frontend and MongoDB for the backend. These technologies are well-known for their scalability, performance, and compatibility, ensuring that the platform operates smoothly across different devices and browsers. The use of MongoDB as the database provides a robust and flexible data storage solution, making development and deployment efficient for handling spiritual product catalogs. Together, these tools establish a strong foundation for system performance, security, and ease of maintenance.

ii. **Operational Feasibility**

Operational feasibility is achieved by designing the system with end users in mind, focusing on simplicity and ease of use. The platform features an intuitive navigation system and a clean, user-friendly interface, requiring minimal training or prior technical knowledge. This straightforward design ensures that users can easily browse Rudraksha products, add spiritual items to their cart, and complete purchases without encountering difficulties, enhancing the overall usability and effectiveness of the platform.

iii. **Economic Feasibility**

From an economic standpoint, the system's feasibility is supported by the use of open-source and free technologies, including Next.js Framework and MongoDB. This approach significantly reduces development costs, with the primary expenses limited to server hosting and maintenance, which can be managed within a reasonable budget. Additionally, end users are not required to invest in any special hardware or software, as only basic internet access is needed—a widely available resource today. This ensures that the platform is both economically sustainable and accessible to a broad user base.

iv. Schedule Feasibility

The project was successfully completed within the planned 3-4 month timeframe, confirming its schedule feasibility. The initial phase, including project planning, analysis, and setup, took 1-2 weeks as expected. Design and prototyping were completed within 2-3 weeks. The development phase, encompassing both front-end and back-end coding as well as testing lasted 7-9 weeks as planned. The documentation of the project was done since the very starting to the end.

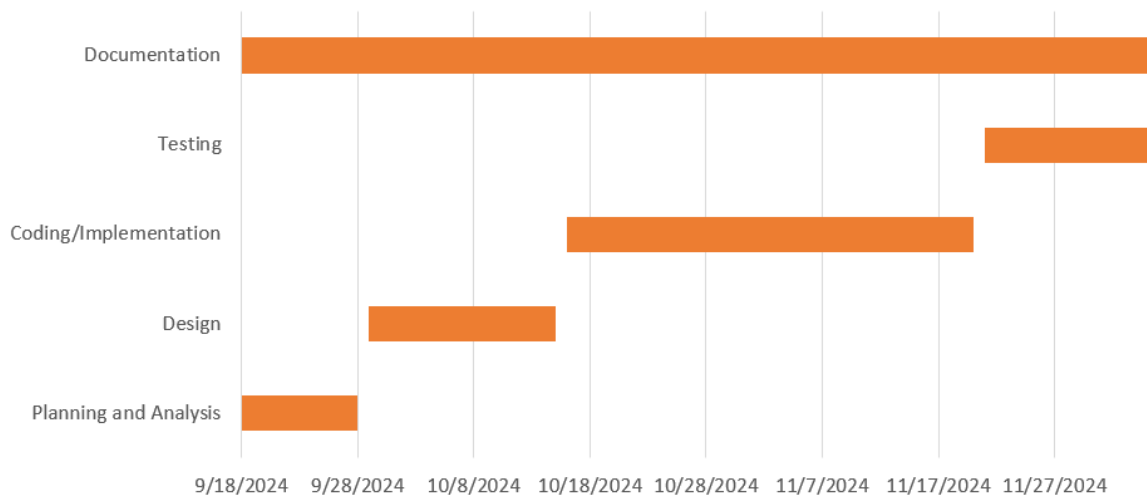


Figure 3.3: Project Gantt Chart

3.1.4 Process Modeling (DFD)

The Level 0 Data flow diagram of the Platform is shown below:

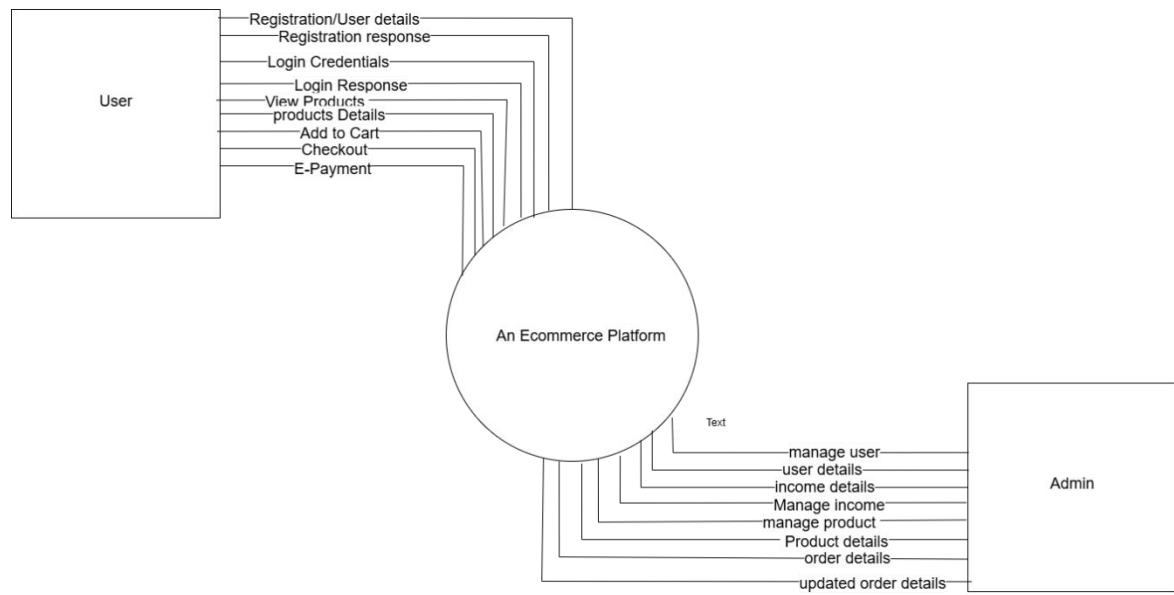


Figure 3.4: Level 0 DFD of RUDRANTRA

3.2 System Design

3.2.1 Architectural Design

The architecture diagram of the platform is given below:

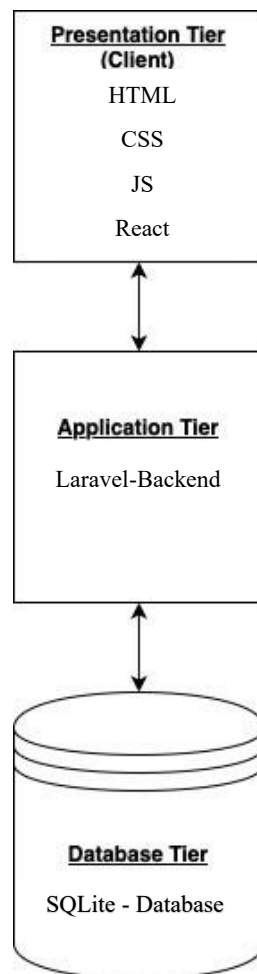


Figure 3.5: Architecture Diagram of RUDRANTRA

3.2.2 Database Schema Design

The database schema of the Serenity platform is below.

Figure 3.6: Database Schema of Rudrantra

3.2.3 Interface Design

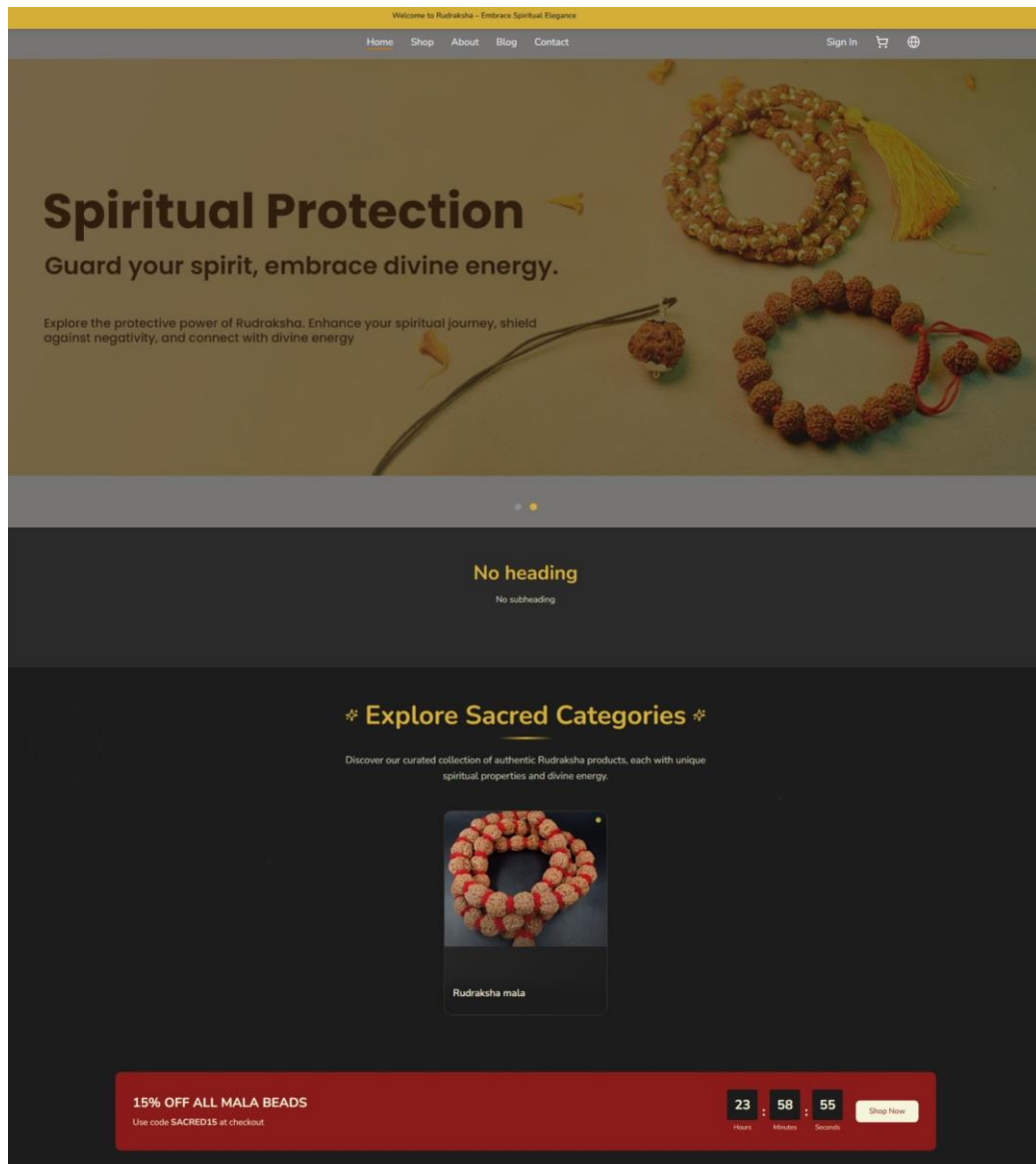


Figure 3.7: Homepage Design

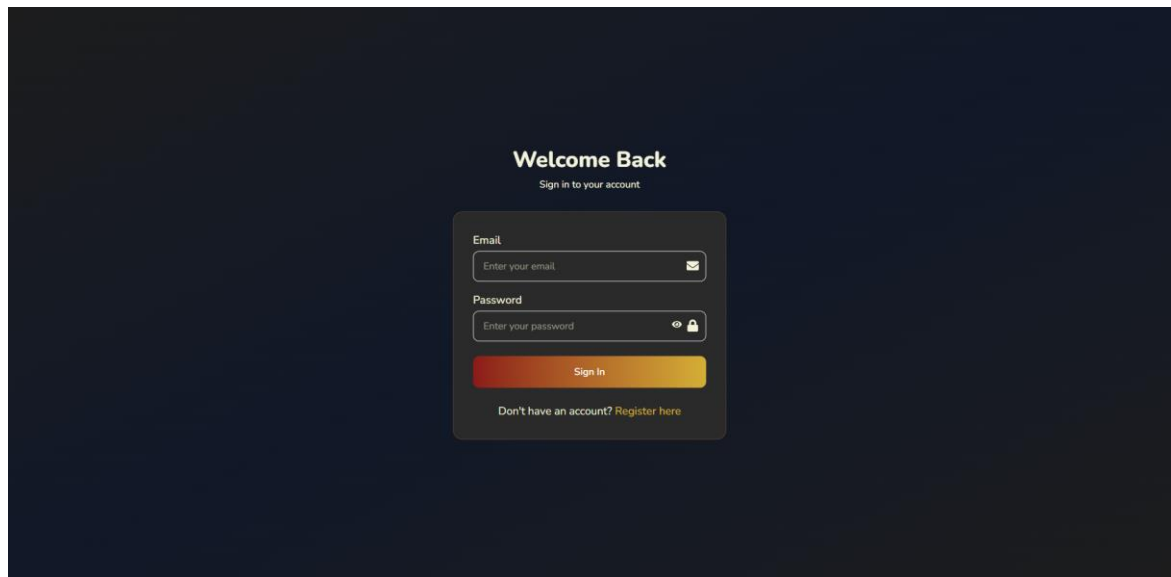


Figure 3.8: Login Page Design

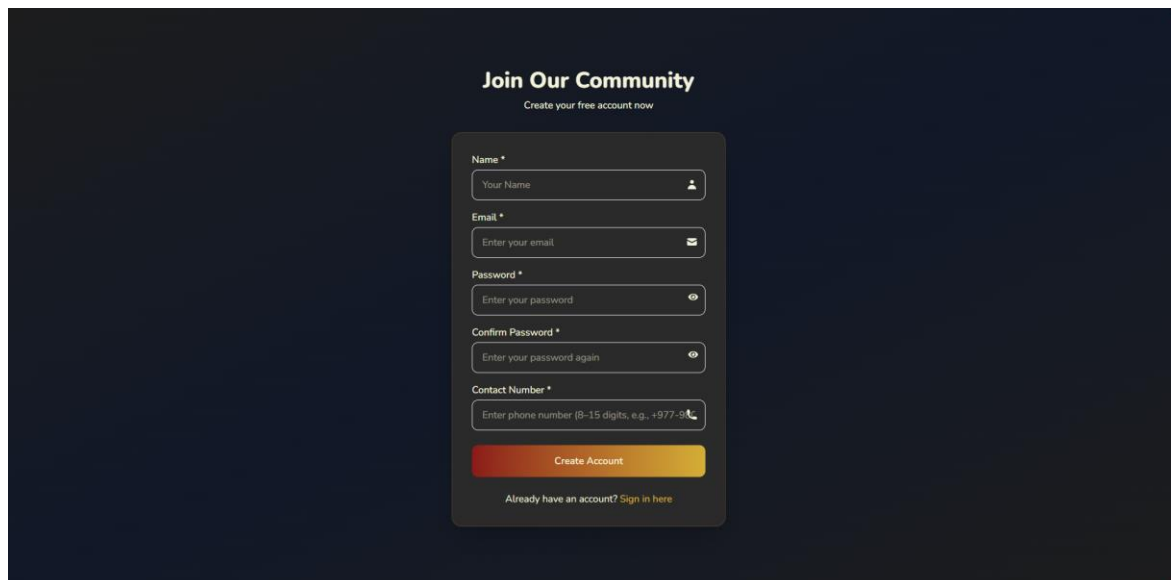


Figure 3.9: Register Page Design

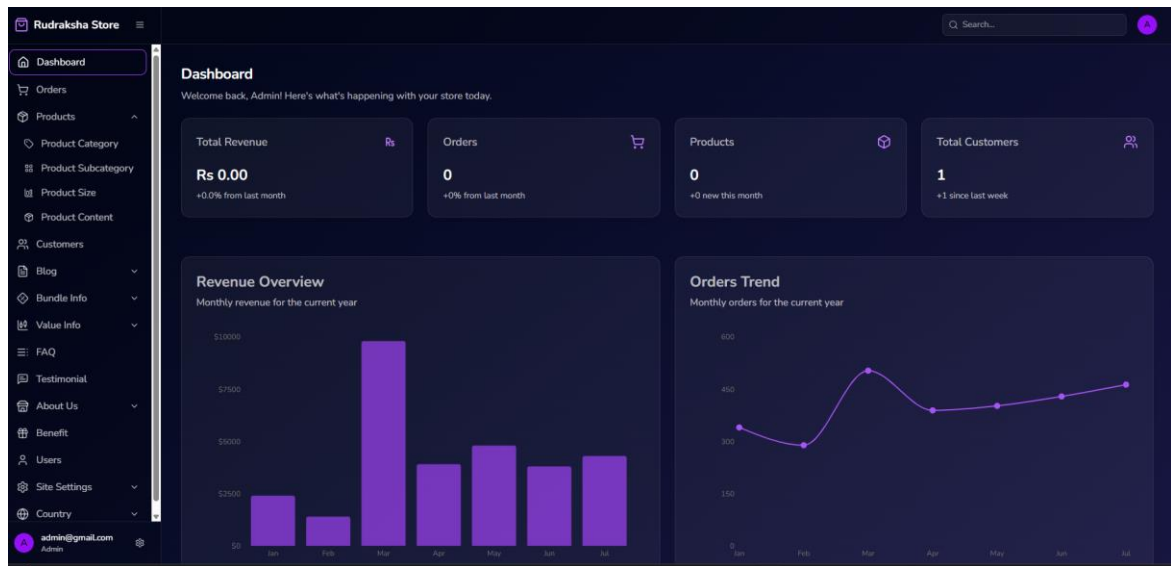


Figure 3.10: Admin Dashboard Design

Users List

ID	User Name	Image	Email	Phone Number	Role	Date	Actions
1	Admin		admin@gmail.com	N/A	Admin	Jun 18, 2025	

Figure 3.11: Manage User Design

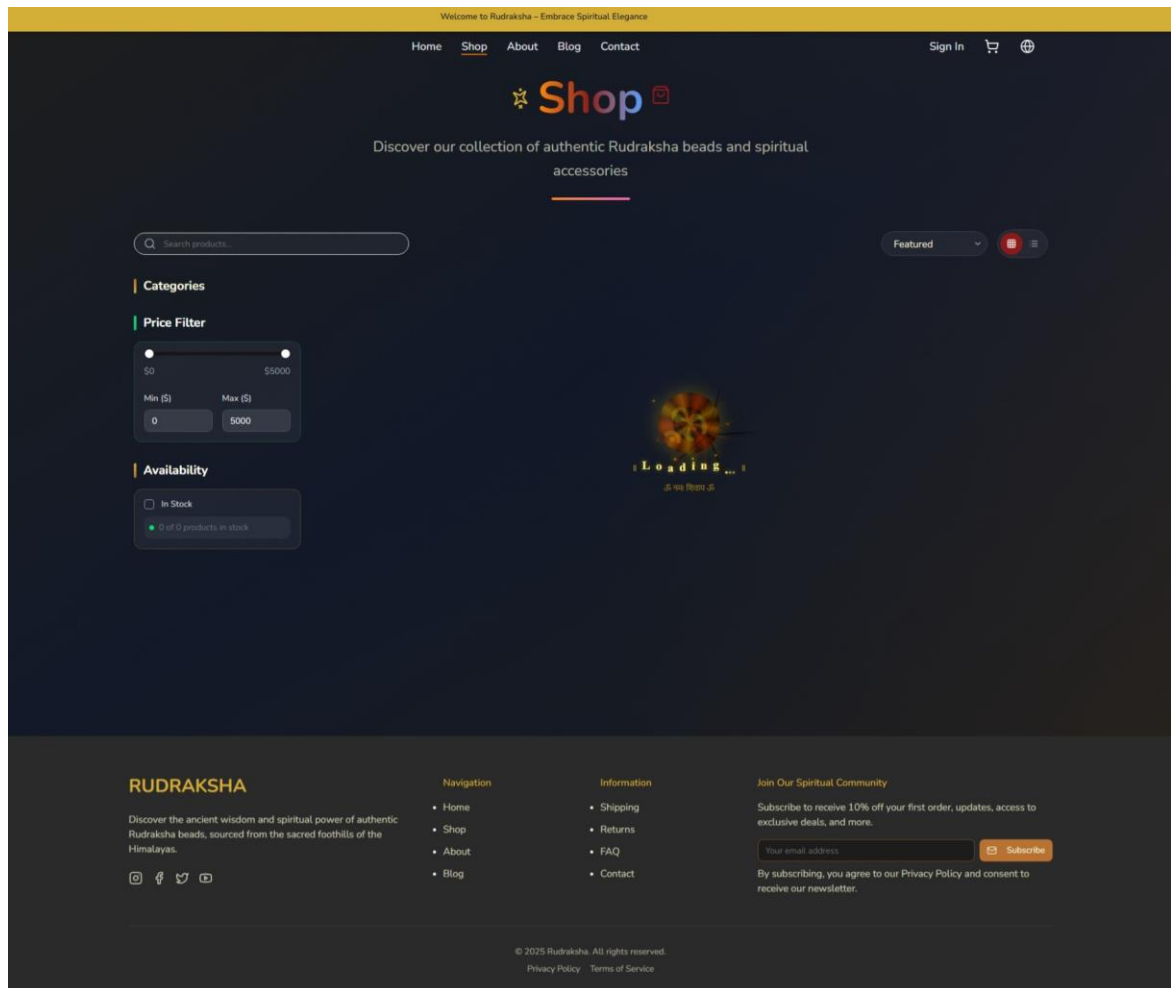


Figure 3.12: Browse Products Page Design

CHAPTER 4: IMPLEMENTATION AND TESTING

4.1 Implementation

4.1.1 Tools Used

Front-end Tools:

Figma:

Figma is a design and prototyping tool used to create visually appealing user interfaces. It allows designers to collaborate, create wireframes, and design graphics. Figma's real-time collaboration features enable multiple designers to work on the same project simultaneously, enhancing productivity and consistency in the design process.

HTML:

HTML (Hypertext Markup Language) is used to structure and present content on web pages. It defines the elements and tags that make up the user interface of the system. HTML serves as the backbone of web pages, providing the essential structure and semantics for content displayed.

Typescript :

Typescript (TS) is used for client-side and server-side validation and dynamic content updates. It enables the implementation of validation logic directly on the user's browser, providing immediate feedback and error checking for user inputs. Additionally, JavaScript enhances user interaction and improves the overall user experience.

Next js Framework :

Next js is a modern JavaScript library used for building dynamic and responsive user interfaces. With Vite as a development tool, Next js enables fast project setup, hot module replacement, and optimized build performance. Next js's component-based architecture allows developers to create reusable UI components, improving maintainability and scalability of the frontend.

Backend Tools:

Mongo DB:

Mongo DB is a NoSQL backend framework used for server-side development, providing robust features for routing, authentication, database management, and API integration. It ensures secure and efficient handling of business logic, data processing, and interactions with the database, forming the backbone of the platform's backend.

Database:

Documentation Tools:

Microsoft Word:

Microsoft Word is a widely used word processing application used for creating comprehensive project documentation, including project plans, requirements, user manuals, and other project-related documents. It offers a range of formatting and editing tools to create professional documentation.

Draw.io:

Draw.io is a diagramming tool used for creating visual representations of system architecture, flowcharts, and other diagrams. It is utilized to create diagrams illustrating the system's components, interactions, and data flows, aiding in the visualization and planning of the project.

4.2 Testing

4.2.1 Test Cases for Unit Testing

Table 4.1: Test Cases for User Login & Registration

S.N .	Test Case	Test Input	Expected Result	Outcome	Result
1	Sign up/Registration with valid details	Name: Rohit Password: Def Email: Rohit@gmail.com	New user is created, and data is stored in database	New user is created, and data is stored in database	PASS

2	Registration with invalid details	Invalid Email: def ab	Error message is displayed prompting user to fix the invalid information. No data is stored.	Error message is displayed prompting user to fix the invalid information. No data is stored.	PASS
3	Login with valid credentials	Email: Rohit@gmail.com Password: Nepal@123	User is logged in successfully and redirected to dashboard/home. User is able to access other pages requiring login.	User is logged in successfully and redirected to dashboard/home. User is able to access other pages requiring login.	PASS
4	Login with invalid credentials	Email: Rohit@gmail.com Password: Nepal@123	User is prompted to enter valid login details and is not signed in	User is prompted to enter valid login details and is not signed in	PASS

Table 4.2: Test Cases for Product Listing

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
5	Add Book with valid details	Product Name : Rudraksha mala Product Price: 3200/- CoverImage: rudraksha-mala.jpg	Product is added successfully. Product data is stored in Database.	Product is added successfully. Product data is stored in Database.	PASS
6	Add Product with invalid details	Title: (empty)	User is prompted to enter valid product details, product is not added. Data is not stored in Database.	User is prompted to enter valid product details, product is not added. Data is not stored in Database.	PASS

Table 4.3: Test Cases for Purchase Mechanism

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
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7	Send Purchase meeting requirements	Products meeting the purchase requirements	Request is sent successfully. Request Information is stored in Stored in Database	Request is sent successfully. RequestInformation is stored in Stored in Database	PASS
8	Accept an incoming purchase request	Valid purchase request	Purchase status is Updated in Database.	Purchase status is Updated in Database.	PASS
9	Decline an incoming purchase request	Valid purchase request	Purchase request is declined successfully.	Purchase request is declined successfully.	PASS

Admin Functionality

Table 4.4: Test Cases for Admin Login

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
10	Admin login with valid credentials	Email: admin123@gmail.com Password: admin@123	Admin is logged in successfully and is redirected to admin dashboard.	Admin is logged in successfully and is redirected to admin dashboard.	PASS
11	Admin login with invalid credentials	Incorrect admin username and/or password	Admin is prompted to enter valid login details and is not signed in.	Admin is prompted to enter valid login details and is not signed in.	PASS

Table 4.5: Test Cases for Admin Product Management

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
15	View Product listings	-	List of Product listings is fetched from database and displayed	As Expected	PASS
16	Remove/Decline inappropriate Product listing	Product ID: 5	Product listing is removed/declined Successfully. Information is updated in database.	As Expected	PASS

Table 4.6: Test Cases for Admin Purchase Management

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
17	Manage Purchase progress	Purchase ID: 2	Purchase progress is updated successfully. Purchase Information in Database is updated.	As Expected	PASS

4.2.2 Test Cases for System Testing

Table 4.7: Test Cases for System User Interface and Navigation

S.N.	Test Case	Test Input	Expected Result	Outcome	Result
1	Navigation between pages	Clicking on navigation links	User navigates smoothly between pages without errors	As Expected	PASS
2	Responsive design	Access from different devices	Interface adjusts seamlessly to different screen sizes	As Expected	PASS
3	Error handling	Triggering invalid actions	Appropriate error messages are displayed to the user	As Expected	PASS

CHAPTER 5: CONCLUSION AND FUTURE RECOMMENDATIONS

5.1 Lesson Learnt / Outcome

Upon the completion of this project, several key lessons were learned. Some of the major lessons include:

- Efficiently integrating Next js Framework for the frontend with Mongo DB for the backend to create a full-stack system.
- Significant improvement in proficiency with JavaScript and /Mongo DB development.
- Gaining experience in creating data modeling and design tools, such as Entity-Relationship Diagrams (ERDs), Data Flow Diagrams (DFDs), and database schemas.

- iv. Learning to develop and execute test cases for various scenarios to ensure system reliability and functionality.

The outcome of this project is a fully functional ecommerce platform where users can browse and purchase products such as clothing, accessories, and ornaments through a secure and user-friendly interface, providing a seamless and efficient shopping experience.

5.2 Conclusion

Through the development of this project, we have successfully created a platform that enables efficient and secure online shopping for users. The RUDRANTRA platform allows users to browse products, add items to their cart, and complete transactions seamlessly. Moving forward, potential enhancements include expanding the product catalog and user base, implementing recommendation algorithms to suggest relevant products, and integrating additional features such as order tracking and notifications to further improve the user experience and overall functionality of the platform.

5.3 Future Recommendations

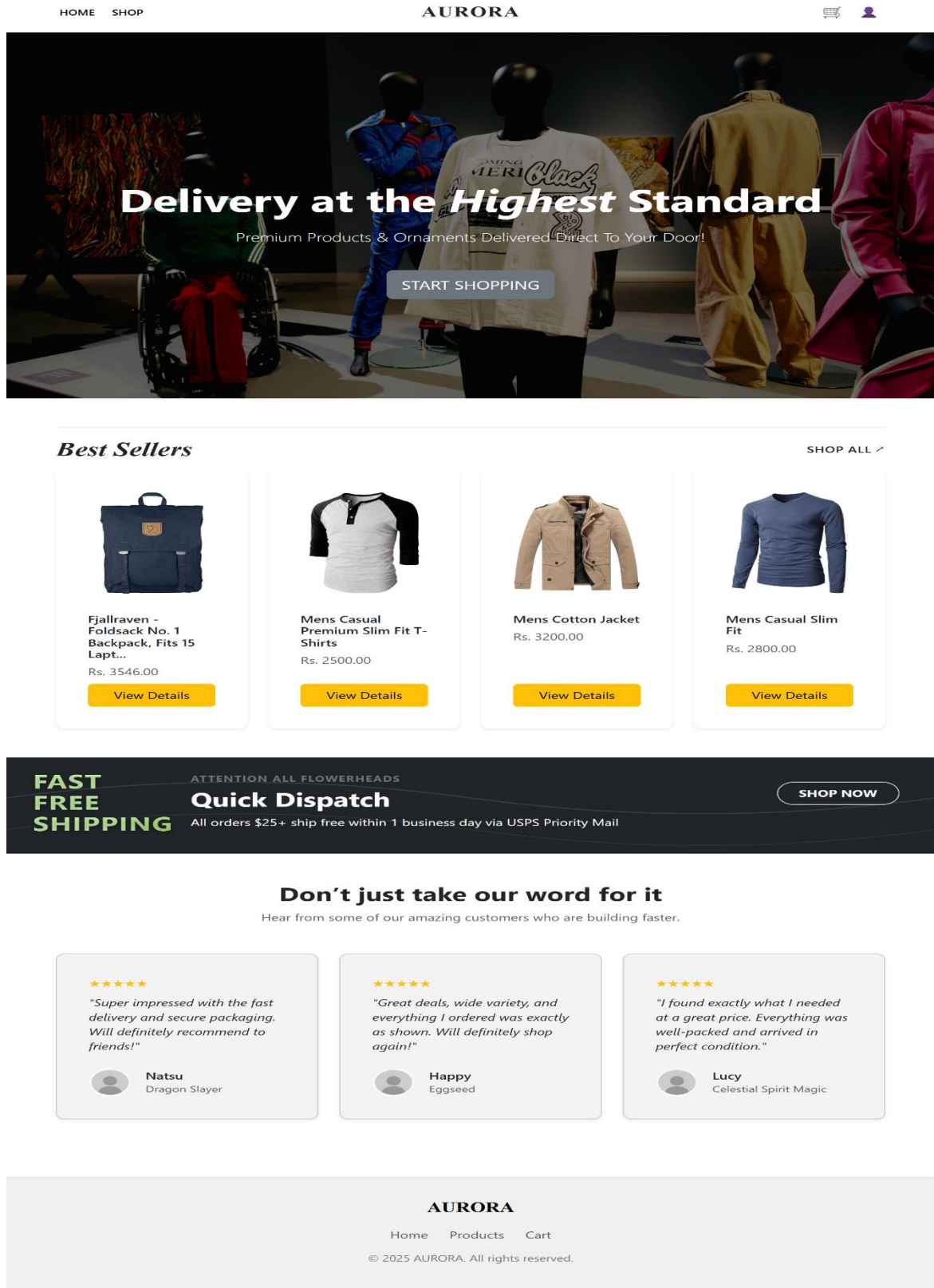
The project has been completed successfully, meeting the current objectives. However, there is potential for further enhancements to improve functionality and user experience. Some recommendations for future improvements include:

- i. Implementation of Recommendation Algorithms: Enhance user experience by suggesting products based on user preferences, browsing history, and purchase patterns.
- ii. In-App Messaging System: Integrate a messaging feature to allow users to communicate directly within the platform, eliminating the need for external communication during purchases.
- iii. Enhanced Feedback and Review System: Allow users to provide detailed feedback on each phase of the purchase process, improving transparency and trust.
- iv. User Interface Improvements: Continuously refine the UI/UX design to keep it modern, intuitive, and aligned with evolving design trends.

REFERENCES

- [1] amazon.com, "Amazon," [Online]. Available: <https://www.amazon.com/b?node=283155> [Accessed 2025].
- [2] "Myntra," myntra.com, [Online]. Available: <https://www.myntra.com/> [Accessed 2025].
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APPENDICES



Homepage Design

HOME

SHOP


AURORA

Mens-Clothing

Womens-Clothing

Jewelery

Shop All →




Fjallraven - Foldsack No. 1 Backpack, Fits 15 Lapt...

Rs 3546

View

Add to Cart




Mens Casual Premium Slim Fit T-Shirts

Rs 2500

View

Add to Cart




Mens Cotton Jacket

Rs 3200

View

Add to Cart



Mens Casual Slim Fit

Rs 2800

View

Add to Cart

Products page Design

HOME

SHOP

AURORA



Mens Casual Premium Slim Fit T-Shirts

Rs. 2500.00 ★★★★☆

Quantity

-

1

+

Add to Cart

Description

Slim-fitting style, contrast raglan long sleeve, three-button henley placket, light weight & soft fabric for breathable and comfortable wearing. And Solid stitched shirts with round neck made for durability and a great fit for casual fashion wear and diehard baseball fans. The Henley style round neckline includes a three-button placket

Product view page Design

HOME

SHOP

AURORA

Your Cart

Product	Qty	Price	Subtotal	
Mens Casual Premium Slim Fit T-Shirts	<div><div>-</div><div>1</div><div>+</div></div>	Rs. 2500.00	Rs. 2500.00	<div>Remove</div>
Fjallraven - Foldsack No. 1 Backpack, Fits 15 Lapt...	<div><div>-</div><div>1</div><div>+</div></div>	Rs. 3546.00	Rs. 3546.00	<div>Remove</div>
Mens Cotton Jacket	<div><div>-</div><div>1</div><div>+</div></div>	Rs. 3200.00	Rs. 3200.00	<div>Remove</div>
Mens Casual Slim Fit	<div><div>-</div><div>1</div><div>+</div></div>	Rs. 2800.00	Rs. 2800.00	<div>Remove</div>

Total: Rs. 12046.00

Proceed to Checkout

Cart page Design

Checkout

Your Order:

Mens Casual Premium Slim Fit T-Shirts × 1	Rs. 2500
Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops × 1	Rs. 3546
Mens Cotton Jacket × 1	Rs. 3200
Mens Casual Slim Fit × 1	Rs. 2800


Total: Rs. 12046.00

Payment

Pay Rs. 12046.00

Checkout page Design

Payment Details

 This payment will expire on Sep 17, 2025 10:43 AM**Billed To:** JARUS Pvt Ltd

Amount Summary:

Total Payable Amount Rs 12046.00

PAYMENT POWERED BY



Select Payment Options



Connect IPS



Khalti Wallet



Mobile Banking




SCT Card



E-Banking

Cancel Payment

Payment Details

 This payment will expire on Sep 17, 2025 10:43 AM**Billed To:** JARUS Pvt Ltd

Amount Summary:

Total Payable Amount Rs 12046.00

PAYMENT POWERED BY



← Agricultural Development Bank Limited

Enter Mobile Number

Mobile Number

9800000001

Submit

Cancel Payment

Khalti Interface