



YOUR SHOP E-Commerce (Web Based)

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This project report has been submitted in fulfilment of the requirements for the degree of **Bachelor of Science in Software Engineering**

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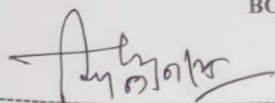
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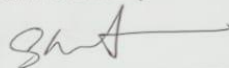
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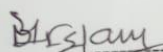
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YOUR SHOP E-Commerce (Web Based)

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Project submitted in fulfillment of the requirements
for the award of the degree of
Bachelor of Science

Department of Software Engineering

DAFFODIL INTERNATIONAL UNIVERSITY

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DEDICATION

I therefore declare that I have done this project under the oversight of **Mr Esraq Humayun Lecturer (Sr. Scale)**, Department of Software Engineering, Daffodil International University. Also declare that neither entire record nor any portion of this record has been submitted somewhere else for my degree.

ABSTRACT

The “YOUR SHOP E-Commerce Website” project aims to establish a robust online platform for facilitating seamless buying and selling experiences. The platform is designed to cater to a diverse range of products, providing users with an intuitive interface to explore, select, and purchase items of their choice. In this project admin can easily add new category with different product from this, also admin can add new product, admin can view the latest product also, admin can manage payment system. In user dashboard user can order product and add to card, after finding a product, when product add on card user will get a notification user can pay by e-banking. User can contact with admin anytime also admin can do like this.

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CHAPTER 1 INTRODUCTION

1.1 Background

The YOUR SHOP E-Commerce Website is a comprehensive platform designed to provide a seamless online shopping experience for users and efficient product management for admins. Using a secure process, users have the ability to create an account and log in and out easily. The platform comes with a shopping cart feature that enables users to add, view, and edit items before moving to checkout. Its checkout process is simplified, providing step-by-step instruction, while secure payment methods like e-banking are integrated so as to guarantee safe transactions. Specific info includes privileges to add/edit/delete products, like the above mentioned, and category management, where admins can manage both categories and sub-categories and set user permissions. Control over the process is however kept as admins review and approve customer orders. Moreover, it allows users and admins to communicate back and forth in real-time, with users reaching out to admins to address their inquiries so that they can receive responses from them, thus bringing transparency and satisfaction. In conclusion, the YOUR SHOP E-Commerce Website is a user-friendly, functional, and secure online shopping platform that provides a seamless shopping experience

1.1.1 Context and Relevance

Above The YOUR SHOP E-Commerce Website was created to meet the increasing need for online shopping, which has become a significant aspect of the way people buy and sell goods in modern-day. With an increasing number of people using the internet, as well as there already being a tendency of consumers steering towards the usage of smartphones, shopping online has proved to be much more accessible and more sustainable than ever. People enjoy the convenience of ordering things in the comfort of their homes, they like to have an instant access to a variety of products, plus secure payment methods. At this point, numerous e-commerce platforms in 2023, are working on having user-friendly websites with easy payment options and quick customer support. However, some challenges still exist, like keeping user data safe, managing products efficiently, and making sure users stay interested in the platform. This project tackles these challenges by providing a secure and user-friendly platform. It allows users to browse and buy products easily, while admins can manage the website effectively by adding products, organizing them into categories, and reviewing orders. With a built-in messaging system, users and admins can communicate directly for better support and transparency. Also I used payment system for Bangladesh (bKash,Nagad) for outside of country people can use international e-banking system This makes the YOUR SHOP E-Commerce Website a helpful and relevant solution for today's online shopping needs.

1.1.2 Problem Identification

I got several challenges commonly faced in e-commerce platforms, including issues with mail verification, payment gateway systems, and attracting and retaining buyers.

1.1.3 Purpose and Justification

This project is basically built for the convenience of buying and selling products online. My sister has a Facebook shopping page from which she sells products online. In that context, YOUR SHOP has been created to make business more dynamic. This is basically a web based e-commerce site. It is made in a very simple way so that anyone from beginner to advance can use it very easily. Anyone can visit the site without registering. To view the products, choose product. The objective of this project is to develop a general purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet.

1.1.4 Scope

YOUR SHOP e-commerce project is basically built for the convenience of buying and selling products online. There are many features are includes in this project.

1 User Module:

Customer Registration: Users can create accounts providing necessary details.

Login/Logout: Secure login/logout functionality for customers.

2. Shopping Cart:

Add to Cart: Users can add products to their shopping cart.

View/Edit Cart: Capability to view and modify items in the cart.

3. Checkout and Payment:

Checkout Process: Guided steps for users to complete the purchase.

Payment Gateway Integration: Secure payment options for transactions.

4. Product Management:

Admin Access: Admins can login to the system with specific privileges

Add/Edit/Delete Products: Product catalog management for admins.

Category/Subcategory Management: Products can be organized by admins.

Order Approval:

Order Review: Admins can review and approve customer orders

1.2 Project Planning and Initiation

Feasibility Study (Step-by-Step)

In my YOUR SHOP E-Commerce Website feasibility study, you are assessing the feasibility of your project, how successful you can be, users and admins cannot be closed without assessing the features planned. Each step of the feasibility study is completed before the next is undertaken; the process is phased, based on a thorough assessment of what is needed

Phase 1 Preliminary Analysis & Project Scope

Definition:

Some More Important Information From The Publisher publishes its own unique content, which it usually does.

Features: User registration, shopping cart, admin user product management, payment portal, communication between users and admin.

The platform is to be built with the help of web development technologies to ensure security, scalability, and ease of use.

Phase 2 Market Feasibility Analysis (or Market Research)

YOUR SHOP E-Commerce Website Involves identifying the target audience, assessing on trend, and understanding competitors.

Key Focus Areas:

1. Target Audience: Technology-savvy people between 18-45 years old.
2. Market Trends: Examining trends such as mobile shopping, secure payments, and personalized experiences to adapt to user requirements.
3. Competitor Analysis: Competitor analysis involves analyzing the strengths and weaknesses of your competitors along with their pricing strategy in the e-commerce environment.
4. Consumer Needs — Understanding what consumers want, be it product diversity, simple navigation, secure payment, customer support etc.
5. Pricing Strategy: Evaluating competitor pricing and customer willingness to pay for products and services.

Phase 3 Technical Feasibility Analysis:

Infrastructure: Assess the technical requirements and infrastructure needed for website development, hosting, and maintenance.

Technology Stack: Evaluate the suitability of technology for web development, considering scalability, security and performance.

Integration with Third-Party Services:

Evaluating the feasibility of integrating payment gateways (e.g., PayPal, Stripe), email services (e.g., Mail gun for notifications), and any other third-party services needed for the platform (e.g., shipping services).

Security Measures:

Ensuring the platform can be built securely to protect user data, including secure payment processing, encryption of sensitive information, and measures to prevent hacking or unauthorized access. Use SSL.

Phase 4 Financial Feasibility Analysis:

Financial feasibility analysis seeks to establish the financial requirements in the development of the system and its usage. This includes costs incurred on software and developing application, costs incurred on hardware facilities such as Point of Sale terminals, and costs incurred attached to the regular maintenance of the system. Regarding the solution for small and medium shop owners, the cost efficiency of the solution was also considered. Technology has been used to minimize costs and capable of setting competitive prices in order to make the project economically viable in the target market. However, increased operational productivity and the likelihood of more income through connection to Internet shops make the system a sound venture for store proprietors. By systematically going through these phases, the feasibility study ensures that the project as a logical, plausible and worthwhile attempt to enable the departmental stores in Bangladesh with a modern, effective and competitive solution

1.3 Target User Profile and Tentative Elicitation Process

1.3.1 Target User

The main target users of the YOUR SHOP E-Commerce Website are small and medium store owners in Bangladesh. These store owners often use outdated methods for managing their inventory, sales, and customer interactions. This leads to slow processes, mistakes, and delays, making it hard for them to grow and satisfy their customers. They also struggle to compete with larger stores. The second target group includes store managers and staff, who will use the system for everyday tasks like updating inventory, handling orders, and processing payments. These users need a simple and easy-to-use system that is compatible with local payment methods like bKash or Cash. The YOUR SHOP Ecommerce Website aims to fulfill the needs of these users, by providing a simple, cost-effective and easy-to-use platform that assists them when conducting their operations, minimizing errors and improving their competitiveness in the retail market.

1.3.2 User profile

Table 1.3.2.1: User Profile for YOUR SHOP E-Commerce Website

User Class	Note on Characteristics
Type of user	Users (Customers)
Age range	18-50 years
Frequency of use	Weekly, or whenever they wish to make a purchase
Mandatory	Users must register to place orders
Computer experience	Basic to intermediate; familiar with browsing, shopping online, and using e-commerce websites
Education	High school diploma or higher
goal	To browse and purchase products easily and securely
Language skills	Proficient in Bengali and/or English
Number of users	Large number (many customers)
Training	Minimal to no training required, as the interface is user-friendly
Others system use	Familiar with using e-commerce websites or apps
Way of working	Users browse products, add items to their cart, proceed to checkout, and make payments through secure options like e-banking

Table 1.3.2.2: Admin Profile for YOUR SHOP E-Commerce Website

User Class	Note on Characteristics
Type of user	Admin
Age range	30-50 years
Frequency of use	Daily, or multiple times a day to manage products, orders, and customer requests
Mandatory	Yes, the admin must be actively involved in managing the platform's back-end
Computer experience	Intermediate to advanced; skilled in navigating admin panels, managing products, handling payments, and overseeing order processes
Education	College degree or higher, preferably with experience in IT, business, or e-commerce
goal	To maintain and manage the e-commerce platform, ensure smooth operations, handle inventory, manage user orders, and oversee payment processing
Language skills	Proficient in Bengali and/or English
Number of users	Small, limited to a few admins (1-5 people)
Training	Admins must undergo training on the system's admin panel, product management, order processing, and payment gateway integration
Others system use	Admin panel for managing the website, payment gateways (like bKash), inventory management systems
Way of working	Admins work with the back-end of the website, adding/editing products, approving orders, managing categories, handling customer inquiries, and overseeing payments and deliveries

1.3.3 Elicitation Process

Interviews During this stage, one-on-one or group interviews can be held with both customers and admins. This will give you an in-depth view of what they are expecting. 2. Surveys: Conduct online surveys to reach a wider audience and collect data on user preferences and behaviors. This allows to detect trends and common problems. 3. Use focus groups: Arrange small group discussions with users to obtain feedback on the platform's features and design. 4. Observation: Study user behavior when they interact with current solutions or similar e-commerce platforms to find usability concerns. 5. Prototype: Build a prototype of the website and get feedback from users on the design and functionality before doing the full development. 6. Conduct usability testing: Identify pain points in navigation and task completion to ensure a smooth user experience; test the website with real users

1.4 Project Block Diagram

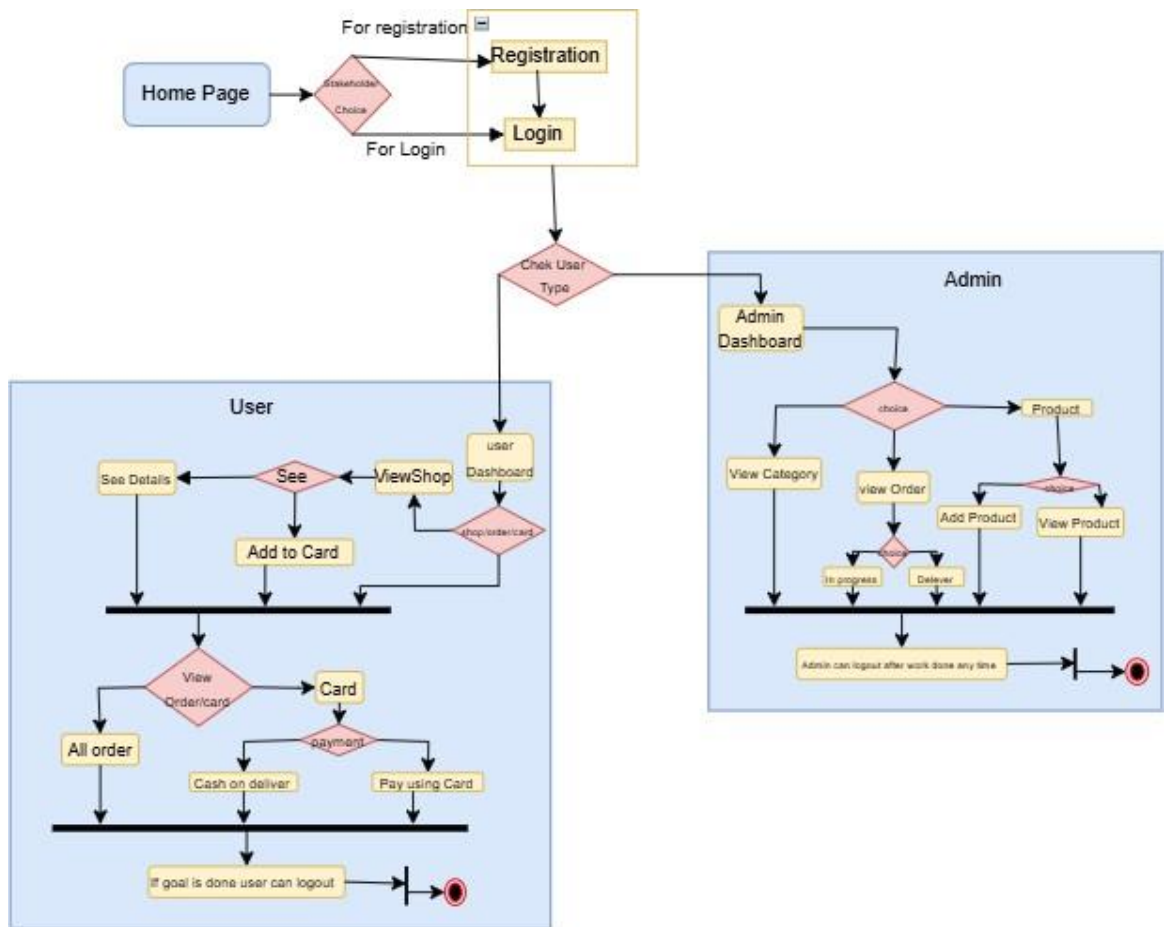


Figure 1: System Block Diagram

1.1 System Requirements

1.1.1 Hardware Requirements

1. Server Requirements:

- CPU: 5S or higher on IOS, latest Android 4.4 or higher with latest version of Google Play Store.
- RAM: Minimum 8 GB (16 GB recommended for handling multiple concurrent users and scalability)
- Storage: 500 GB SSD (Solid State Drive) or higher for faster data access, application performance, and efficient storage handling
- Network: High-speed internet connection (1 Gbps or higher) for optimal performance, especially for handling high traffic and data exchange
- Backup: External or cloud backup solutions to ensure data safety and redundancy

2. Client Requirements (End Users):

- Desktop/Laptop:
 - Processor: 2.0 GHz or higher (Intel Core i3 or equivalent)
 - RAM: 4 GB or higher
 - Operating System: Windows, macOS, or Linux (latest versions)
- Mobile Devices:
 - Smartphones with 4-inch screens or larger, running iOS or Android
 - RAM: Minimum 2 GB
 - Internet connection: 5 Mbps or higher for seamless browsing experience

3. Admin Panel Requirements:

- Desktop/Laptop:
 - Processor: 2.0 GHz or higher, Intel Core i5 or equivalent
 - RAM: 8 GB or higher
 - Storage: 100 GB available space (or more) for managing the backend system (database, files, logs)
 - Operating System: Windows 10, macOS (latest version), or Linux
- Browser: Modern browsers like Google Chrome, Firefox, or Edge (latest versions) for optimal admin panel experience

4. Backup and Redundancy:

- Backup System: A reliable backup solution (cloud storage or external drives) for daily backups of data and website files
- UPS (Uninterruptible Power Supply): To ensure continuous operation in case of power outages

1.2 Software Requirements

Frontend:

- Web Browser Compatibility:
 - Support for major browsers (Chrome, Firefox, Edge).
 - Responsive design for various screen sizes (desktop, tablet, mobile).
- User Interface (UI):
 - Interactive and user-friendly design.
 - Support for product catalogs, search functionality, and filtering options.
- Performance Optimization:
 - Efficient loading of images and other media.
 - Use of client-side caching for a smoother user experience.
 - Minimization of HTTP requests.

Backend:

- Programming Language: Php , Laravel Framework as backend language
- Load Testing: Conduct load testing to ensure the system can handle peak loads.
- Maintainability: Code Maintainability: Specify coding standards and practices for ease of maintenance.

1.2.1 Constraints and Dependencies

- **Constraints:**
 - Internet Connectivity: A stable and fast internet connection is essential for both customers and admins to access the website and manage orders effectively. Slow or unreliable connections may lead to delays in browsing, checkout, and order management.
- **Payment Gateway Restrictions**
 - Comply with country-specific regulations, which may limit payment options (e.g., credit cards, PayPal).
 - Ensure integration of local payment methods (e.g., bKash for Bangladesh).
- **Storage and Bandwidth**
 - Plan for increased server storage to handle growing product photos, user data, and transaction records.
 - Gradually upgrade infrastructure to maintain scalability and smooth website performance.
- **Legal Compliance**

- Adhere to data privacy laws (e.g., GDPR) and payment processing standards (e.g., PCI DSS).
- Address restrictions on data use, storage, and cross-border transactions.
- **User Device Compatibility**
 - Ensure responsive design and cross-browser compatibility for optimal user experience.
 - Acknowledge potential limitations for users on outdated devices or browsers.

2. Dependencies:

- **Server Infrastructure**

- Website performance heavily depends on the quality of the hosting provider.
- Ensure high uptime and fast access through reliable web hosting services.

- **Payment Gateway Usage**

- Dependence on services like PayPal, Stripe, and local options like bKash for payment processing.
- Disruptions to these services can hinder transaction completion.

- **Email Service Providers**

- Relies on third-party email services (e.g., SendGrid, Amazon SES) for sending user communications such as registration emails, order confirmations, and receipts.
- Downtime or rate limits from providers can impact user communication.

- **Third-Party APIs**

- Integrates APIs for functionalities like shipping services and inventory management.
- Platform performance depends on the reliability of these APIs.

- **Security Certificates (SSL)**

- Relies on SSL certificates for secure data communication between users and the server.
- Issues with certificate renewal or management can compromise security.

- **External Libraries and Packages**

- Laravel framework and external packages are essential for features like cart management, payment processing, and user authentication.
- Lack of updates or obsolescence of libraries can impact platform functionality.

1.3 Project Scheduling

Time Frame

Phase	Duration	Start Date	End Date
Phase 1: Planning & Requirement Gathering	2 weeks	05/01/2024	05/14/2024
Phase 2: Design & Prototyping	3 weeks	05/15/2024	06/04/2024
Phase 3: Backend Development	5 weeks	06/05/2024	07/09/2024
Phase 4: Frontend Development	5 weeks	07/10/2024	08/13/2024
Phase 5: Payment Integration & Testing	3 weeks	08/14/2024	09/03/2024
Phase 6: Admin Panel Development & Testing	3 weeks	09/04/2024	09/24/2024
Phase 7: User Testing & Quality Assurance	2 weeks	09/25/2024	09/30/2024

1.4 Summary

In this chapter we described the YOUR SHOP E-Commerce Website project, its objectives, features, and phases. The buying and selling process will be smooth for both admin and users. The Admin can manage the products listing, product categories and orders, whereas users can browse products, add to cart, place orders and pay in a safe and secure way. Construction will begin in May of 2024 and be completed vertical by September of 2024. You trained on phases from planning to design to development to testing and deployment to be structured and efficient. Focus on Small and Medium Scale Business Essential User Experience.

CHAPTER 2 DESIGN AND IMPLEMENTATION

2.1 Introduction

This is YOUR SHOP E-Commerce Website, in this website you can fully made your product monthly return and implementation. Designed with performance and scalability in mind, this platform is all about ease of use; allowing the departmental shops of Bangladesh to safely embrace the digital age. It is implemented to be compatible with browsers like Chrome, Firefox, Edge along with Responsiveness for Desktop, Tablet, and Mobile screens. Customers can easily digest product catalogs, search and filter options, and make purchases with minimal effort as the user interface is intuitive. Leveraging PHP and the Laravel Framework on the backend allows for a solid foundation, so the system is robust and scalable. The platform is capable of handling peak traffic loads using load testing and performance optimization techniques, ensuring that service remains smooth and uninterrupted. Finally, the system is built for maintainability, using industry standards to make it easy to update and support in the future. The YOUR SHOP E-Commerce Website is designed to provide a fast, reliable, and efficient solution for both customers and departmental shop owners while ensuring that businesses can thrive in a competitive digital-first marketplace

2.2 Functional Requirements

The YOUR SHOP E-Commerce Website admin handles the platform's operations, including user account management, product listings, category organization, and order processing. Admins are responsible for overseeing payments, generating sales reports, and communicating with users to ensure smooth functionality. On the other hand, **users** can browse products, add them to the cart, and place orders. They can also manage profiles, track orders, and complete payments through various options, providing a seamless shopping experience.

1.Admin

2.User

FR01	Registration
Description	One has to select the registration menu first, then the entire registration interface will be visible. Admin and Users both have to complete the registration procedure if they visit the system for the first time .
Stakeholder	Admin, User

FR02	Login
Description	After registering into the system successfully one can easily login to the system by providing the valid username and password into the system.
Stakeholder	Admin, User

Login as Admin,

FR03	Admin Home Dashboard
Description	In this area a admin after login can saw all kind of system in this admin dashboard.
Stakeholder	Admin

FR004	Category
Description	Admin can add new category into this system.
Stakeholder	Admin

FR05	Edit Category
Description	In this edit category admin can edit any category.
Stakeholder	Admin

FR06	Update Category
Description	After edit category admin can update the product.
Stakeholder	Admin

FR007	Delete Category
Description	Admin can delete product category.
Stakeholder	Admin

FR08	Products
Description	Admin can add new product also can view this product
Stakeholder	Admin

FR09	Add Product
Description	Admin can add product in add product section admin can add with product title, description, price, quantity ,product category and image also .
Stakeholder	Admin

FR10	View Product
Description	In this sector admin can view all product, can edit, update and delete.
Stakeholder	Admin

FR11	Edit, Update Product
Description	In this sector admin can first its product edit what admin can want , after that admin can update the product.
Stakeholder	Admin

FR10	Order
Description	In this sector admin can see how many order admins got, can make payment, can show the message to the user is this (in progress or delivered) if payment done then admin can click the button delivered. After that it will show delivered. After that admin can print pdf.
Stakeholder	Admin

FR11	Message
Description	Admin can view user message and can keep contact with them .
Stakeholder	Admin

Login as User

FR12	User Home Dashboard
Description	In this user home dashboard, user can see all (shop, about us , testimonial, contact us, Order, Card , Logout.
Stakeholder	User

FR13	Latest Products
Description	Here in this site user can saw all new products.
Stakeholder	User

FR14	Shop
Description	In shop user can view all product with different category.
Stakeholder	User

FR15	Details
Description	If user click on details it will create another new link that will show all information about this product.
Stakeholder	User

FR16	Add to Cart
Description	If user click on add to card then it will takes on this into carts.
Stakeholder	User

FR17	Contact US
Description	In this plat form User can view our location and can message us.
Stakeholder	User

FR18	Orders
Description	Here in orders part user can view all product what is in progress and Delivered already with its image .
Stakeholder	User

FR19	Cart
Description	In Cart section user can view receiver name, address, phone, numbers, also user can delete product from cart.
Stakeholder	User

FR20	Cash on Deliver
Description	If user wants to case on deliver, then use can click on (Cash On Deliver) Button then it will not have got again in cart.
Stakeholder	User

FR21	Pay using Card
Description	If user want to use card or line any online payment method user can do it easily with the use of visa cards, bKash or any e banking site.
Stakeholder	User

FR22	Checkout
Description	User can place order via checkout ,filling the shipping details also choosing payment method.
Stakeholder	User

2.3 Non-Functional Requirements

For my YOUR SHOP E-Commerce Website, I focused on several key non-functional requirements to ensure the platform's quality. The system needs to perform well by loading quickly and handling increased traffic as the business grows. It's important that the website is secure, especially when handling sensitive user data and payment information. The platform should be easy to use with a simple, intuitive interface. Moreover, system analysis is required on permanent access with less of downtime and cross-device and browsers compatibility

2.3.1 Performance

October 3, 2023 Performance YOUR SHOP E-Commerce Website September 29, 2023 Performance YOUR SHOP E-Commerce Website Performance is an important factor in my YOUR SHOP E-Commerce Website. It must have a quick loading speed, so the users can enjoy the smooth experience. To do so, I've compressed images, reduced HTTP requests, and added client-side caching. Without delay, the system should process several concurrent users and transactions. The platform should also ensure fast access by all users across devices and there should be a seamless experience(mobile, tablet & desktop).

2.3.2 Reliability

Reliability makes sure my YOUR SHOP E-Commerce Website is live and operational 24 hours a day. The system must be able to handle failures or errors gracefully. Regular backups, error handling and redundancy measures will be implemented to ensure this. Website should perform better during peak demand, ensure users are able to place orders, payments and login into accounts. The Downtime should be less to keep the trust and user satisfaction intact.

2.3.3 Portability

Portability means that the website can run on different Operating systems, devices, and web browsers. Your e-commerce website should be compatible with every browser from Chrome to Firefox and every device from a desktop to a smartphone. It should be easy to migrate or change deployment of the platform to different web hosting environments, such as VPS or Managed Hosting environments, guaranteeing that an update or change design would not lead to the crashing of the platform for users. It is this flexibility that ensures the website runs seamlessly on different systems and networks

2.4 System design using UML (object-oriented)

2.4.1 Use Case Diagram

There are two types of users in YOUR SHOP e-commerce platform, Users (customers and visitors) and Admins. Visitors may browse products but must register to purchase. Once a visitor registers, they receive a verification email to activate their account. After logging in, users can select products, add them to the cart, and proceed to checkout with payment details. Admins can manage customer orders, process payments, and update shipping statuses. The system ensures that only registered users can place orders, while admins have full control over user accounts and order management.



Figure 2: Use case Diagram

2.4.2 Case Description

Table2.4.2.1: Case Description-01 Registration

Use Case	Registration										
Goal	Admin/User will be able to registered into the system										
Precondition											
Success End Condition	Registration done successfully										
Failed End Condition	Failed to be registered										
Primary Actors: Secondary Actors:	Admin, User										
Trigger	Must click on register button										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will get the registration option in the homepage</td> </tr> <tr> <td>2.</td> <td>After that user must give a valid username and password</td> </tr> <tr> <td>3.</td> <td>By doing so user will hit the registration button</td> </tr> <tr> <td>4.</td> <td>User registration will be done</td> </tr> <tr> <td>5.</td> <td>User will get a notification</td> </tr> </table>	1.	User will get the registration option in the homepage	2.	After that user must give a valid username and password	3.	By doing so user will hit the registration button	4.	User registration will be done	5.	User will get a notification
1.	User will get the registration option in the homepage										
2.	After that user must give a valid username and password										
3.	By doing so user will hit the registration button										
4.	User registration will be done										
5.	User will get a notification										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User did not get the registration option</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>Did not give a valid username or password</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User did not get the registration option	1a1.	"Server not found"	2a.	Did not give a valid username or password	2a1.	"Error!!! try again"		
1a.	User did not get the registration option										
1a1.	"Server not found"										
2a.	Did not give a valid username or password										
2a1.	"Error!!! try again"										
Quality Requirements	User can register to the system whenever they want to.										

Table2.4.2.2: Case Description-02 Login

Use Case	Login								
Goal	Admin/User will be able to login to the system								
Precondition	Must be a registered user								
Success End Condition	Successfully logged into the system								
Failed End Condition	User failed to logged into the system								
Primary Actors: Secondary Actors:	Admin, User								
Trigger	Must click on login button								
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will get the login page</td> </tr> <tr> <td>2.</td> <td>User will provide accurate username and password</td> </tr> <tr> <td>3.</td> <td>After that user will hit the login button</td> </tr> <tr> <td>4.</td> <td>User will successfully logged into the system</td> </tr> </table>	1.	User will get the login page	2.	User will provide accurate username and password	3.	After that user will hit the login button	4.	User will successfully logged into the system
1.	User will get the login page								
2.	User will provide accurate username and password								
3.	After that user will hit the login button								
4.	User will successfully logged into the system								
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Login page didn't show up</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>Failed to login to the system</td> </tr> <tr> <td>2a1.</td> <td>"504 gateway"</td> </tr> </table>	1a.	Login page didn't show up	1a1.	"Server not found"	2a.	Failed to login to the system	2a1.	"504 gateway"
1a.	Login page didn't show up								
1a1.	"Server not found"								
2a.	Failed to login to the system								
2a1.	"504 gateway"								
Quality Requirements	User can login to system at any time								

Table2.4.2.3: Case Description-03 Admin Home Dashboard

Use Case	Admin Home Dashboard										
Goal	After Successfully login/registration admin can view the admin dashboard.										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the admin dashboard.										
Failed End Condition	Failed to be registered										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Must click on admin registration as admin										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will get the registration option in the homepage.</td> </tr> <tr> <td>2.</td> <td>After that admin must give a valid username and password</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the registration button</td> </tr> <tr> <td>4.</td> <td>Admin registration will be done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the admin dashboard.</td> </tr> </table>	1.	Admin will get the registration option in the homepage.	2.	After that admin must give a valid username and password	3.	By doing so admin will hit the registration button	4.	Admin registration will be done	5.	Admin will get a notification and successfully view the admin dashboard.
1.	Admin will get the registration option in the homepage.										
2.	After that admin must give a valid username and password										
3.	By doing so admin will hit the registration button										
4.	Admin registration will be done										
5.	Admin will get a notification and successfully view the admin dashboard.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view dashboard</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view dashboard	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	Admin cannot view dashboard										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can view the dashboard of the system whenever they want to.										

Table2.4.2.4: Case Description-04 View Category

Use Case	View Category										
Goal	After Successfully login/registration admin can saw view category option										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the category option										
Failed End Condition	Failed to be view category										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Must click on admin registration as admin and category option.										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will get the view category option in the dashboard.</td> </tr> <tr> <td>2.</td> <td>After click the view category admin can see the option add new category</td> </tr> <tr> <td>3.</td> <td>By doing so admin will click the add category option.</td> </tr> <tr> <td>4.</td> <td>Admin can add new product category.</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully after adding product successfully.</td> </tr> </table>	1.	Admin will get the view category option in the dashboard.	2.	After click the view category admin can see the option add new category	3.	By doing so admin will click the add category option.	4.	Admin can add new product category.	5.	Admin will get a notification and successfully after adding product successfully.
1.	Admin will get the view category option in the dashboard.										
2.	After click the view category admin can see the option add new category										
3.	By doing so admin will click the add category option.										
4.	Admin can add new product category.										
5.	Admin will get a notification and successfully after adding product successfully.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view the option add Category</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This option not found "</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view the option add Category	1a1.	"Server not found"	2a.	"This option not found "	2a1.	"Error!!! try again"		
1a.	Admin cannot view the option add Category										
1a1.	"Server not found"										
2a.	"This option not found "										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can view the Category of the system whenever they want to.										

Table2.4.2.5: Case Description-05 Edit Category

Use Case	Edit Category										
Goal	After Successfully add a new category admin can view the category what admin add , and admin can see edit option										
Precondition	Must be register/login the site										
Success End Condition	Successfully edit done										
Failed End Condition	Failed to be edit										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Request to edit the category										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view the edit category option</td> </tr> <tr> <td>2.</td> <td>After that admin must give a valid category name</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the update button</td> </tr> <tr> <td>4.</td> <td>Category edit will done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the edited the product category</td> </tr> </table>	1.	Admin will view the edit category option	2.	After that admin must give a valid category name	3.	By doing so admin will hit the update button	4.	Category edit will done	5.	Admin will get a notification and successfully view the edited the product category
1.	Admin will view the edit category option										
2.	After that admin must give a valid category name										
3.	By doing so admin will hit the update button										
4.	Category edit will done										
5.	Admin will get a notification and successfully view the edited the product category										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view Edit category</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This category is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view Edit category	1a1.	"Server not found"	2a.	"This category is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view Edit category										
1a1.	"Server not found"										
2a.	"This category is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can edit category of the system whenever they want to.										

Table2.4.2.6: Case Description-06 Update Category

Use Case	Update Category										
Goal	After Successfully add a new category admin can view the category what admin add and admin can see edit option after edit admin will view update option.										
Precondition	Must be register/login the site										
Success End Condition	Successfully Update										
Failed End Condition	Failed to be update category										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Request to update the category										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view the update option</td> </tr> <tr> <td>2.</td> <td>After that admin must click update option</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the update button</td> </tr> <tr> <td>4.</td> <td>Update will done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the updated product category.</td> </tr> </table>	1.	Admin will view the update option	2.	After that admin must click update option	3.	By doing so admin will hit the update button	4.	Update will done	5.	Admin will get a notification and successfully view the updated product category.
1.	Admin will view the update option										
2.	After that admin must click update option										
3.	By doing so admin will hit the update button										
4.	Update will done										
5.	Admin will get a notification and successfully view the updated product category.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view updated category</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view updated category	1a1.	"Server not found"	2a.	"This is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view updated category										
1a1.	"Server not found"										
2a.	"This is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can update category of the system whenever they want to.										

Table2.4.2.7: Case Description-07 Delete Category

Use Case	Delete Category										
Goal	In view category option if admin create some category that will show in category option and if admin want to delete any category from the category admin can click the delete option and delete the category										
Precondition	Must be register/login the site										
Success End Condition	Successfully Delete										
Failed End Condition	Failed to be Delete category										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Request to delete the category										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view the delete option</td> </tr> <tr> <td>2.</td> <td>After that admin must click delete option</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the delete button</td> </tr> <tr> <td>4.</td> <td>Delete will done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the updated product category.</td> </tr> </table>	1.	Admin will view the delete option	2.	After that admin must click delete option	3.	By doing so admin will hit the delete button	4.	Delete will done	5.	Admin will get a notification and successfully view the updated product category.
1.	Admin will view the delete option										
2.	After that admin must click delete option										
3.	By doing so admin will hit the delete button										
4.	Delete will done										
5.	Admin will get a notification and successfully view the updated product category.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view delete category</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view delete category	1a1.	"Server not found"	2a.	"This is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view delete category										
1a1.	"Server not found"										
2a.	"This is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can Delete category of the system whenever they want to.										

Table2.4.2.8: Case Description-08 Product

Use Case	Product								
Goal	After successfully login admin can view the product option								
Precondition	Must be register/login the site								
Success End Condition	Successfully view								
Failed End Condition	Failed to be view product option								
Primary Actors:	Admin								
Secondary Actors:									
Trigger	Request to view product								
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view product option</td> </tr> <tr> <td>2.</td> <td>After that if admin will click product option it will take view product option.</td> </tr> <tr> <td></td> <td></td> </tr> </table>	1.	Admin will view product option	2.	After that if admin will click product option it will take view product option.				
1.	Admin will view product option								
2.	After that if admin will click product option it will take view product option.								
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view Product</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This page is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view Product	1a1.	"Server not found"	2a.	"This page is not found"	2a1.	"Error!!! try again"
1a.	Admin cannot view Product								
1a1.	"Server not found"								
2a.	"This page is not found"								
2a1.	"Error!!! try again"								
Quality Requirements	Admin can view product of the system whenever they want to.								

Table2.4.2.9: Case Description-09 Add Product

Use Case	Add Product										
Goal	After click product option user can view a option that is add product option here user can add new product with category base										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the add product option										
Failed End Condition	Failed to be view add product.										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Must click on add product option..										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will get the view add product option in product option.</td> </tr> <tr> <td>2.</td> <td>After click the add product option admin can see the option add product</td> </tr> <tr> <td>3.</td> <td>By doing this, admin will see all option in add product page</td> </tr> <tr> <td>4.</td> <td>Admin can add new product.</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully after adding product.</td> </tr> </table>	1.	Admin will get the view add product option in product option.	2.	After click the add product option admin can see the option add product	3.	By doing this, admin will see all option in add product page	4.	Admin can add new product.	5.	Admin will get a notification and successfully after adding product.
1.	Admin will get the view add product option in product option.										
2.	After click the add product option admin can see the option add product										
3.	By doing this, admin will see all option in add product page										
4.	Admin can add new product.										
5.	Admin will get a notification and successfully after adding product.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view the option add product</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This option not found "</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view the option add product	1a1.	"Server not found"	2a.	"This option not found "	2a1.	"Error!!! try again"		
1a.	Admin cannot view the option add product										
1a1.	"Server not found"										
2a.	"This option not found "										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can view the add product of the system whenever they want to.										

Table2.4.2.10: Case Description-10 View Product

Use Case	View Product								
Goal	After successfully add a product admin will view the product in a new option.								
Precondition	Must be register/login the site								
Success End Condition	Successfully view the view product option								
Failed End Condition	Failed to be view product.								
Primary Actors:	Admin								
Secondary Actors:									
Trigger	Must click on view product option..								
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will get the view product option in product option.</td> </tr> <tr> <td>2.</td> <td>After click the view product option admin can see all the product that is already added</td> </tr> <tr> <td>3.</td> <td>By doing this, admin will see all product in view product page</td> </tr> <tr> <td>4.</td> <td>Admin can view all product.</td> </tr> </table>	1.	Admin will get the view product option in product option.	2.	After click the view product option admin can see all the product that is already added	3.	By doing this, admin will see all product in view product page	4.	Admin can view all product.
1.	Admin will get the view product option in product option.								
2.	After click the view product option admin can see all the product that is already added								
3.	By doing this, admin will see all product in view product page								
4.	Admin can view all product.								
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view the option view product.</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This option not found "</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view the option view product.	1a1.	"Server not found"	2a.	"This option not found "	2a1.	"Error!!! try again"
1a.	Admin cannot view the option view product.								
1a1.	"Server not found"								
2a.	"This option not found "								
2a1.	"Error!!! try again"								
Quality Requirements	Admin can view product of the system whenever they want to.								

Table2.4.2.11: Case Description-11 View Product

Use Case	View Product								
Goal	After successfully add a product admin will view the product in a new option.								
Precondition	Must be register/login the site								
Success End Condition	Successfully view the view product option								
Failed End Condition	Failed to be view product.								
Primary Actors:	Admin								
Secondary Actors:									
Trigger	Must click on view product option..								
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will get the view product option in product option.</td> </tr> <tr> <td>2.</td> <td>After click the view product option admin can see all the product that is already added</td> </tr> <tr> <td>3.</td> <td>By doing this, admin will see all product in view product page</td> </tr> <tr> <td>4.</td> <td>Admin can view all product.</td> </tr> </table>	1.	Admin will get the view product option in product option.	2.	After click the view product option admin can see all the product that is already added	3.	By doing this, admin will see all product in view product page	4.	Admin can view all product.
1.	Admin will get the view product option in product option.								
2.	After click the view product option admin can see all the product that is already added								
3.	By doing this, admin will see all product in view product page								
4.	Admin can view all product.								
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view the option view product.</td> </tr> <tr> <td>1a1.</td> <td>“Server not found”</td> </tr> <tr> <td>2a.</td> <td>“This option not found ”</td> </tr> <tr> <td>2a1.</td> <td>“Error!!! try again”</td> </tr> </table>	1a.	Admin cannot view the option view product.	1a1.	“Server not found”	2a.	“This option not found ”	2a1.	“Error!!! try again”
1a.	Admin cannot view the option view product.								
1a1.	“Server not found”								
2a.	“This option not found ”								
2a1.	“Error!!! try again”								
Quality Requirements	Admin can view product of the system whenever they want to.								

Table2.4.2.12: Case Description-12 Edit Product

Use Case	Edit Product										
Goal	After Successfully add a new product admin can view the product what admin add , and admin can see edit option after that if admin want to edit then admin can										
Precondition	Must be register/login the site										
Success End Condition	Successfully edit done										
Failed End Condition	Failed to be edit product										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Request to edit the product										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view the edit product option</td> </tr> <tr> <td>2.</td> <td>After that admin must give a valid product name and others.</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the update button</td> </tr> <tr> <td>4.</td> <td>Product edit will done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the edited the product.</td> </tr> </table>	1.	Admin will view the edit product option	2.	After that admin must give a valid product name and others.	3.	By doing so admin will hit the update button	4.	Product edit will done	5.	Admin will get a notification and successfully view the edited the product.
1.	Admin will view the edit product option										
2.	After that admin must give a valid product name and others.										
3.	By doing so admin will hit the update button										
4.	Product edit will done										
5.	Admin will get a notification and successfully view the edited the product.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view Edited Product</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This product is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view Edited Product	1a1.	"Server not found"	2a.	"This product is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view Edited Product										
1a1.	"Server not found"										
2a.	"This product is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can edit product of the system whenever they want to.										

Table2.4.2.13: Case Description-13 Update Product

Use Case	Update Product										
Goal	After Successfully add a new product admin can view the product what admin add and admin can see edit option after edit admin will view update option.										
Precondition	Must be register/login the site										
Success End Condition	Successfully Update										
Failed End Condition	Failed to be update product										
Primary Actors:	Admin										
Secondary Actors:											
Trigger	Request to update the product										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view the update option</td> </tr> <tr> <td>2.</td> <td>After that admin must click update option</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the update button</td> </tr> <tr> <td>4.</td> <td>Update will done</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successfully view the updated product .</td> </tr> </table>	1.	Admin will view the update option	2.	After that admin must click update option	3.	By doing so admin will hit the update button	4.	Update will done	5.	Admin will get a notification and successfully view the updated product .
1.	Admin will view the update option										
2.	After that admin must click update option										
3.	By doing so admin will hit the update button										
4.	Update will done										
5.	Admin will get a notification and successfully view the updated product .										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view updated product</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view updated product	1a1.	"Server not found"	2a.	"This is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view updated product										
1a1.	"Server not found"										
2a.	"This is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can update product of the system whenever they want to.										

Table2.4.2.14: Case Description-14 Order

Use Case	Order										
Goal	In this site admin will click order option and admin will view all order that user ordered already.										
Precondition	Must be register/login the site										
Success End Condition	Successfully view all orders										
Failed End Condition	Failed to view orders										
Primary Actors: Secondary Actors:	Admin										
Trigger	Request to view order										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view all order</td> </tr> <tr> <td>2.</td> <td>After that admin will got each and every order information</td> </tr> <tr> <td>3.</td> <td>After admin can work with is this order is in process or not</td> </tr> <tr> <td>4.</td> <td>If all order in process or payment success then it will give delver option.</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successful</td> </tr> </table>	1.	Admin will view all order	2.	After that admin will got each and every order information	3.	After admin can work with is this order is in process or not	4.	If all order in process or payment success then it will give delver option.	5.	Admin will get a notification and successful
1.	Admin will view all order										
2.	After that admin will got each and every order information										
3.	After admin can work with is this order is in process or not										
4.	If all order in process or payment success then it will give delver option.										
5.	Admin will get a notification and successful										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view order</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view order	1a1.	"Server not found"	2a.	"This is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view order										
1a1.	"Server not found"										
2a.	"This is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can view all order of the system whenever they want to.										

Table2.4.2.15: Case Description-15 Message

Use Case	Message										
Goal	In this site admin will click message option and admin will view all message that comes from user site										
Precondition	Must be register/login the site										
Success End Condition	Successfully view all message										
Failed End Condition	Failed to view message										
Primary Actors: Secondary Actors:	Admin										
Trigger	Request to view message										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>Admin will view all message</td> </tr> <tr> <td>2.</td> <td>After that admin will got each and every message</td> </tr> <tr> <td>3.</td> <td>After that admin can reply users message with their email or phone call</td> </tr> <tr> <td>4.</td> <td>If reply done that will show a successful message</td> </tr> <tr> <td>5.</td> <td>Admin will get a notification and successful</td> </tr> </table>	1.	Admin will view all message	2.	After that admin will got each and every message	3.	After that admin can reply users message with their email or phone call	4.	If reply done that will show a successful message	5.	Admin will get a notification and successful
1.	Admin will view all message										
2.	After that admin will got each and every message										
3.	After that admin can reply users message with their email or phone call										
4.	If reply done that will show a successful message										
5.	Admin will get a notification and successful										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>Admin cannot view message</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This is not found"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	Admin cannot view message	1a1.	"Server not found"	2a.	"This is not found"	2a1.	"Error!!! try again"		
1a.	Admin cannot view message										
1a1.	"Server not found"										
2a.	"This is not found"										
2a1.	"Error!!! try again"										
Quality Requirements	Admin can view all message of the system whenever they want to.										

Table2.4.2.16: Case Description-16 User Home Dashboard

Use Case	User Home Dashboard										
Goal	After Successfully login/registration user can view the user dashboard.										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the user dashboard.										
Failed End Condition	Failed to be registered										
Primary Actors:	User										
Secondary Actors:											
Trigger	Must click on user registration as user										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will get the registration option in the homepage.</td> </tr> <tr> <td>2.</td> <td>After that user must give a valid username and password</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the registration button</td> </tr> <tr> <td>4.</td> <td>User registration will be done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successfully view the user dashboard.</td> </tr> </table>	1.	User will get the registration option in the homepage.	2.	After that user must give a valid username and password	3.	By doing so admin will hit the registration button	4.	User registration will be done	5.	User will get a notification and successfully view the user dashboard.
1.	User will get the registration option in the homepage.										
2.	After that user must give a valid username and password										
3.	By doing so admin will hit the registration button										
4.	User registration will be done										
5.	User will get a notification and successfully view the user dashboard.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view dashboard</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User cannot view dashboard	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	User cannot view dashboard										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	User can view the dashboard of the system whenever they want to.										

Table2.4.2.17: Case Description-17 View Latest Products

Use Case	View Latest Products										
Goal	After Successfully login/registration user can view latest product from user dashboard down.										
Precondition	Must be register/login the site										
Success End Condition	Successfully view latest product										
Failed End Condition	Failed to be registered										
Primary Actors:	User										
Secondary Actors:											
Trigger	Must click on user registration and down of user dashboard										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will get the registration option in the homepage.</td> </tr> <tr> <td>2.</td> <td>After that user must give a valid username and password</td> </tr> <tr> <td>3.</td> <td>By doing so admin will hit the registration button.</td> </tr> <tr> <td>4.</td> <td>User registration will be done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successfully view the user dashboard. And in the below user will got all the latest product.</td> </tr> </table>	1.	User will get the registration option in the homepage.	2.	After that user must give a valid username and password	3.	By doing so admin will hit the registration button.	4.	User registration will be done	5.	User will get a notification and successfully view the user dashboard. And in the below user will got all the latest product.
1.	User will get the registration option in the homepage.										
2.	After that user must give a valid username and password										
3.	By doing so admin will hit the registration button.										
4.	User registration will be done										
5.	User will get a notification and successfully view the user dashboard. And in the below user will got all the latest product.										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view latest product</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User cannot view latest product	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	User cannot view latest product										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	User can view the latest products of the system whenever they want to.										

Table2.4.2.18: Case Description-18 View Shop

Use Case	View Shop										
Goal	After Successfully login/registration user can view shop										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the user view shop										
Failed End Condition	Failed to be view shop										
Primary Actors:	User										
Secondary Actors:											
Trigger	Must click on user Shop option										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will click the shop button</td> </tr> <tr> <td>2.</td> <td>After that user will saw all product with latest update product</td> </tr> <tr> <td>3.</td> <td>From this user can order and see product</td> </tr> <tr> <td>4.</td> <td>If user choice is done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successful</td> </tr> </table>	1.	User will click the shop button	2.	After that user will saw all product with latest update product	3.	From this user can order and see product	4.	If user choice is done	5.	User will get a notification and successful
1.	User will click the shop button										
2.	After that user will saw all product with latest update product										
3.	From this user can order and see product										
4.	If user choice is done										
5.	User will get a notification and successful										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view Shop</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User cannot view Shop	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	User cannot view Shop										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	User can view the view shop option and add to card any product what is available right now of the system whenever they want to.										

Table2.4.2.19: Case Description-19 Details

Use Case	Details										
Goal	In view shop a user can view the details of a product for that a user should press the button details and watch the details of a product										
Precondition	Must be register/login the site										
Success End Condition	Successfully view the product details										
Failed End Condition	Failed to be view details										
Primary Actors: Secondary Actors:	User										
Trigger	Must click on details										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will click the details button</td> </tr> <tr> <td>2.</td> <td>After that user will saw product details</td> </tr> <tr> <td>3.</td> <td>From this details user will select to order the product</td> </tr> <tr> <td>4.</td> <td>If user choice is done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successfully add to card .</td> </tr> </table>	1.	User will click the details button	2.	After that user will saw product details	3.	From this details user will select to order the product	4.	If user choice is done	5.	User will get a notification and successfully add to card .
1.	User will click the details button										
2.	After that user will saw product details										
3.	From this details user will select to order the product										
4.	If user choice is done										
5.	User will get a notification and successfully add to card .										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view details</td> </tr> <tr> <td>1a1.</td> <td>“Server not found”</td> </tr> <tr> <td>2a.</td> <td>“This name is not register yet”</td> </tr> <tr> <td>2a1.</td> <td>“Error!!! try again”</td> </tr> </table>	1a.	User cannot view details	1a1.	“Server not found”	2a.	“This name is not register yet”	2a1.	“Error!!! try again”		
1a.	User cannot view details										
1a1.	“Server not found”										
2a.	“This name is not register yet”										
2a1.	“Error!!! try again”										
Quality Requirements	User can view the product details										

Table2.4.2.20: Case Description-20 Add to Cart

Use Case	Add to Cart										
Goal	In view shop or latest product section user can order any product that will go on add to card section										
Precondition	Must be register/login the site										
Success End Condition	Successfully added into the cart										
Failed End Condition	Failed to add										
Primary Actors:	User										
Secondary Actors:											
Trigger	Must click on add to card										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will click the add to card button</td> </tr> <tr> <td>2.</td> <td>After that user will saw a message that product will added on the card</td> </tr> <tr> <td>3.</td> <td>User can view order section that this product is added done</td> </tr> <tr> <td>4.</td> <td>If user choice is done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successfully add to cart</td> </tr> </table>	1.	User will click the add to card button	2.	After that user will saw a message that product will added on the card	3.	User can view order section that this product is added done	4.	If user choice is done	5.	User will get a notification and successfully add to cart
1.	User will click the add to card button										
2.	After that user will saw a message that product will added on the card										
3.	User can view order section that this product is added done										
4.	If user choice is done										
5.	User will get a notification and successfully add to cart										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view order added successfully</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User cannot view order added successfully	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	User cannot view order added successfully										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	User can add product into cart										

Table2.4.2.21: Case Description-21 Contact

Use Case	Contact										
Goal	In view shop or latest product section user can order any product that will go on add to card section										
Precondition	Must be register/login the site										
Success End Condition	Successfully added into the cart										
Failed End Condition	Failed to add										
Primary Actors:	User										
Secondary Actors:											
Trigger	Must click on add to card										
Description / Main Success Scenario	<table border="1"> <tr> <td>1.</td> <td>User will click the add to card button</td> </tr> <tr> <td>2.</td> <td>After that user will saw a message that product will added on the card</td> </tr> <tr> <td>3.</td> <td>User can view order section that this product is added done</td> </tr> <tr> <td>4.</td> <td>If user choice is done</td> </tr> <tr> <td>5.</td> <td>User will get a notification and successfully add to cart</td> </tr> </table>	1.	User will click the add to card button	2.	After that user will saw a message that product will added on the card	3.	User can view order section that this product is added done	4.	If user choice is done	5.	User will get a notification and successfully add to cart
1.	User will click the add to card button										
2.	After that user will saw a message that product will added on the card										
3.	User can view order section that this product is added done										
4.	If user choice is done										
5.	User will get a notification and successfully add to cart										
Alternative Flows	<table border="1"> <tr> <td>1a.</td> <td>User cannot view order added successfully</td> </tr> <tr> <td>1a1.</td> <td>"Server not found"</td> </tr> <tr> <td>2a.</td> <td>"This name is not register yet"</td> </tr> <tr> <td>2a1.</td> <td>"Error!!! try again"</td> </tr> </table>	1a.	User cannot view order added successfully	1a1.	"Server not found"	2a.	"This name is not register yet"	2a1.	"Error!!! try again"		
1a.	User cannot view order added successfully										
1a1.	"Server not found"										
2a.	"This name is not register yet"										
2a1.	"Error!!! try again"										
Quality Requirements	User can add product into cart										

2.4.3 Activity Diagram

Registration

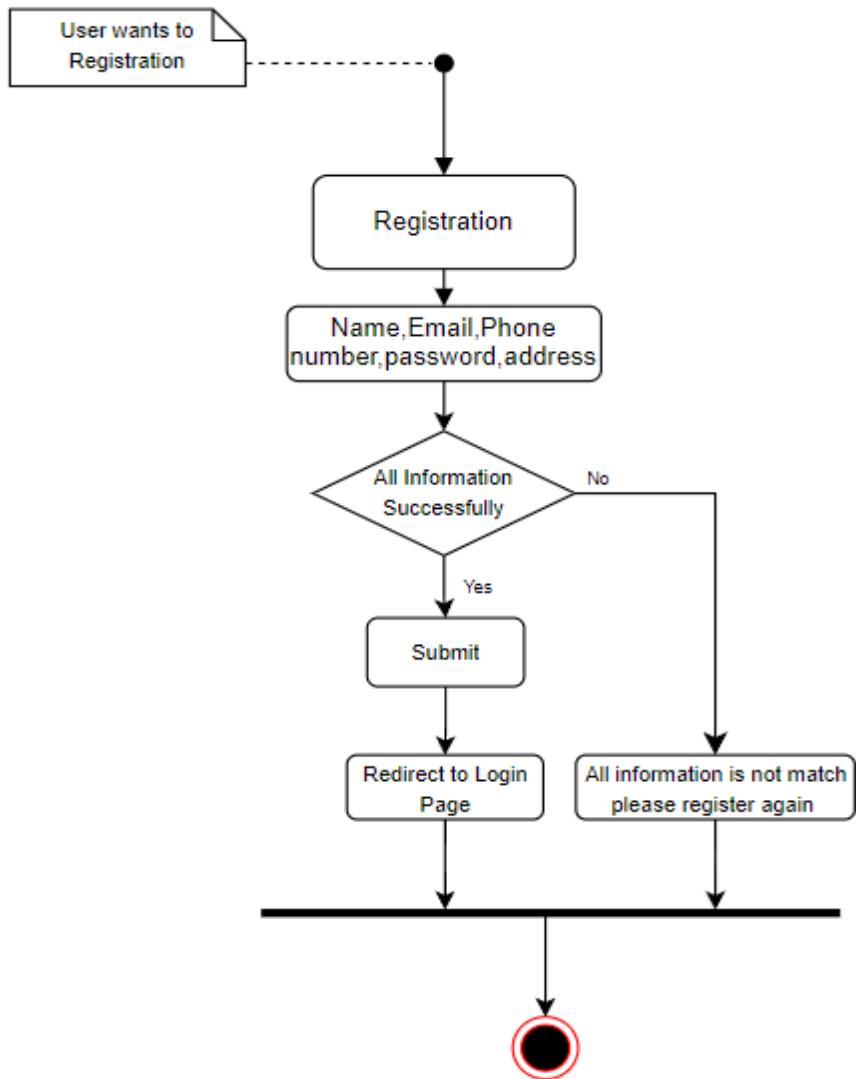


Figure 2.3.3.1: Registration

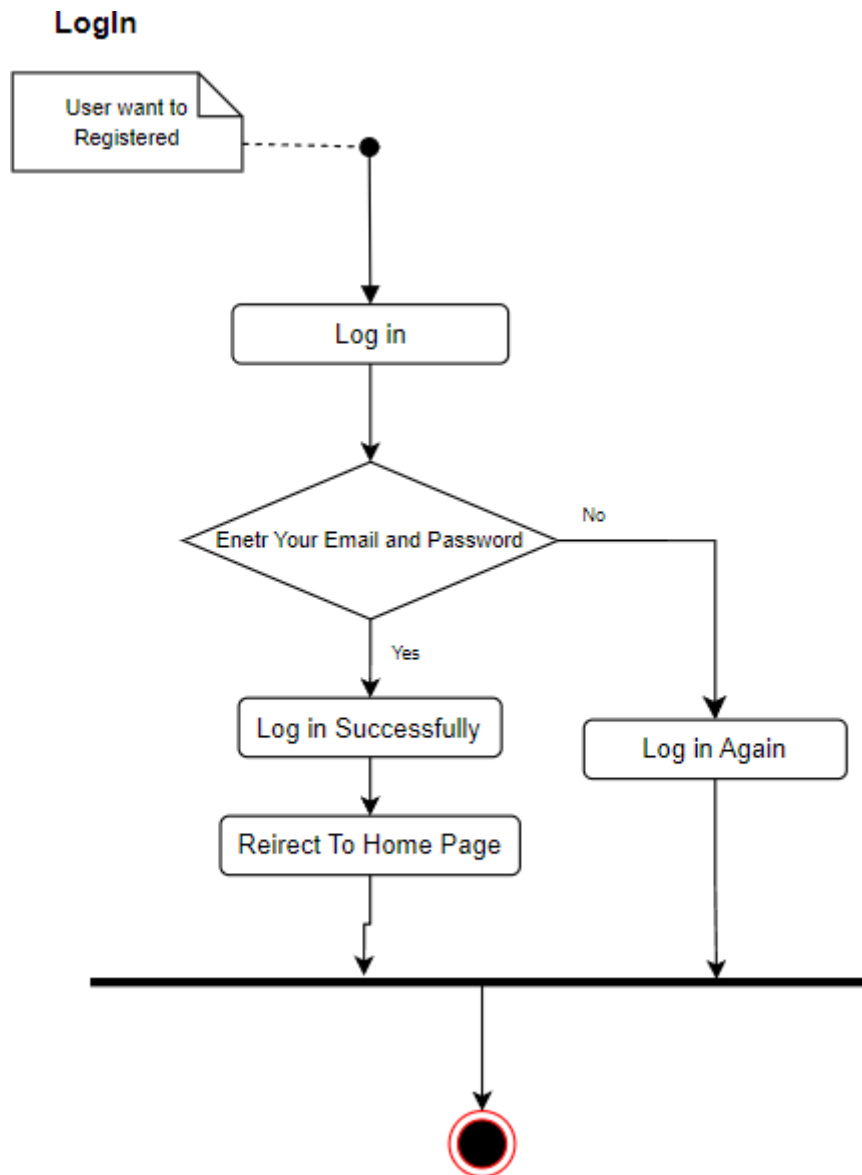


Figure 2.3.3.2: Login

View Latest Product

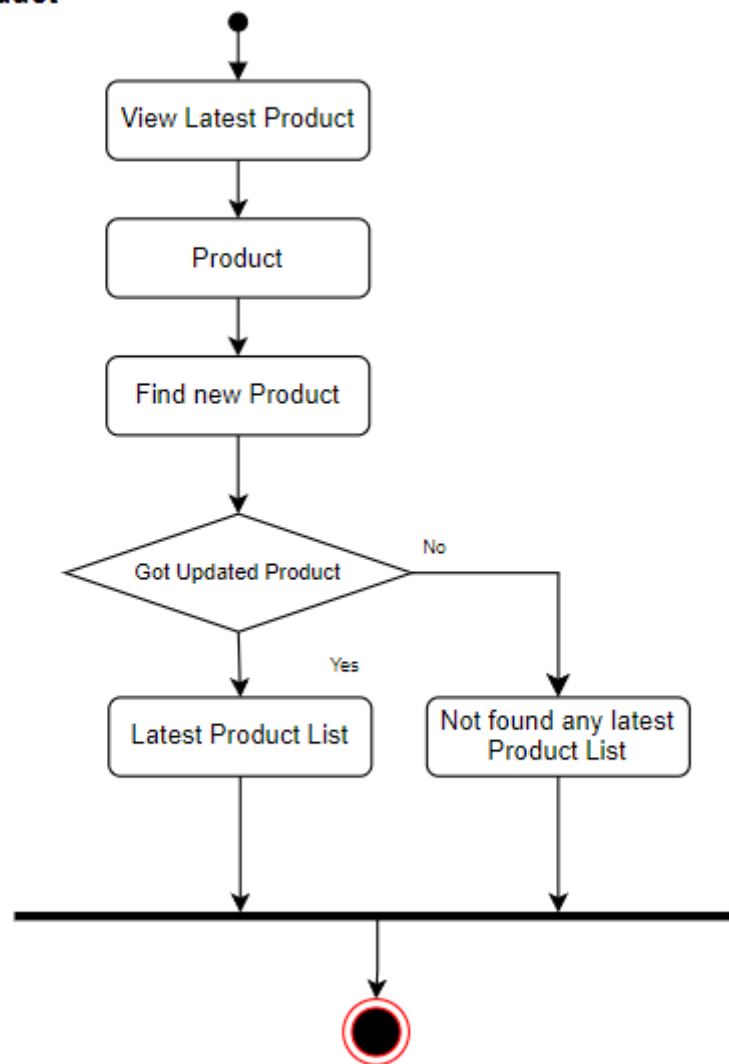


Figure 2.3.3.3: View Latest Product

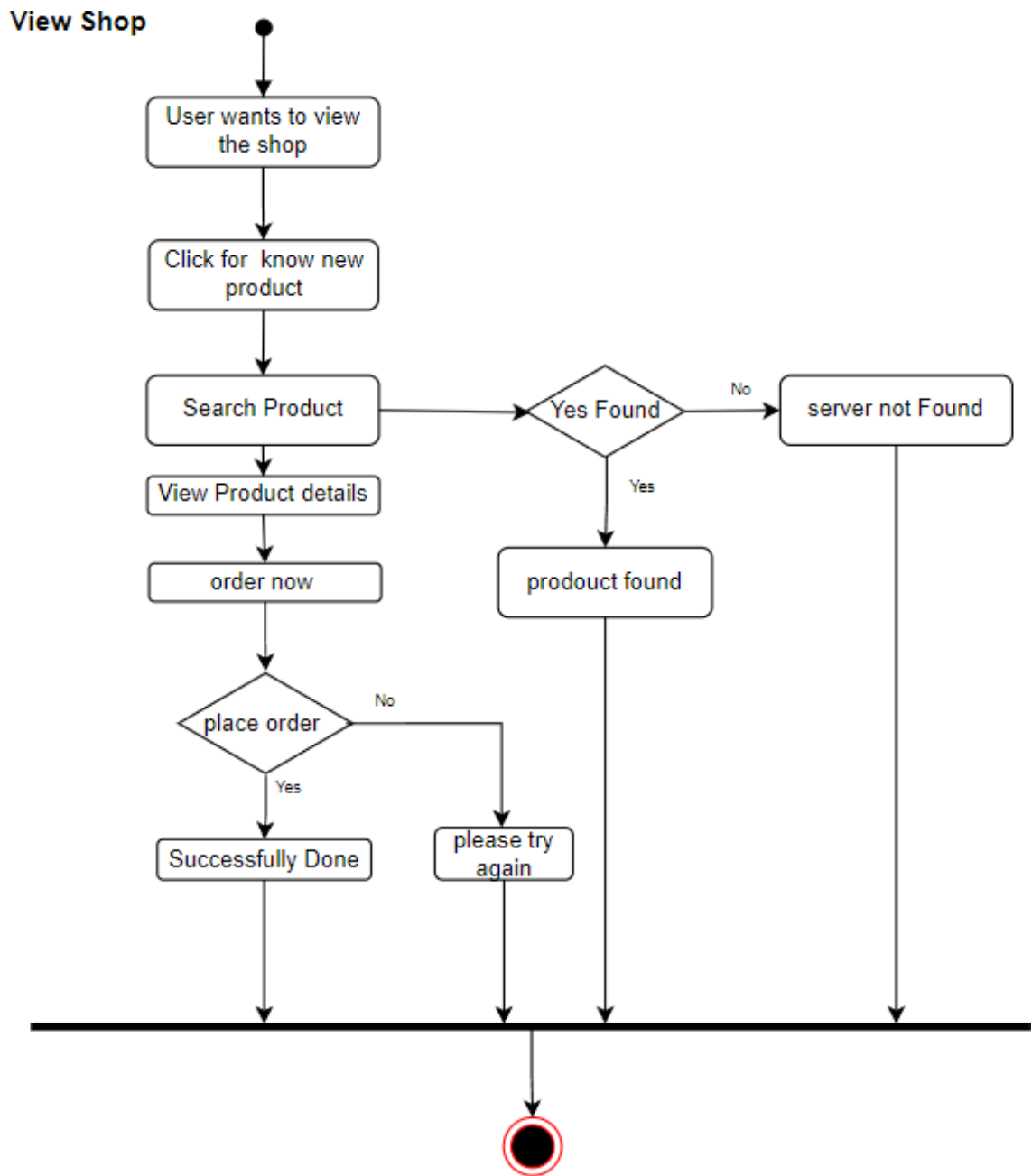


Figure 2.3.3.4: View Shop

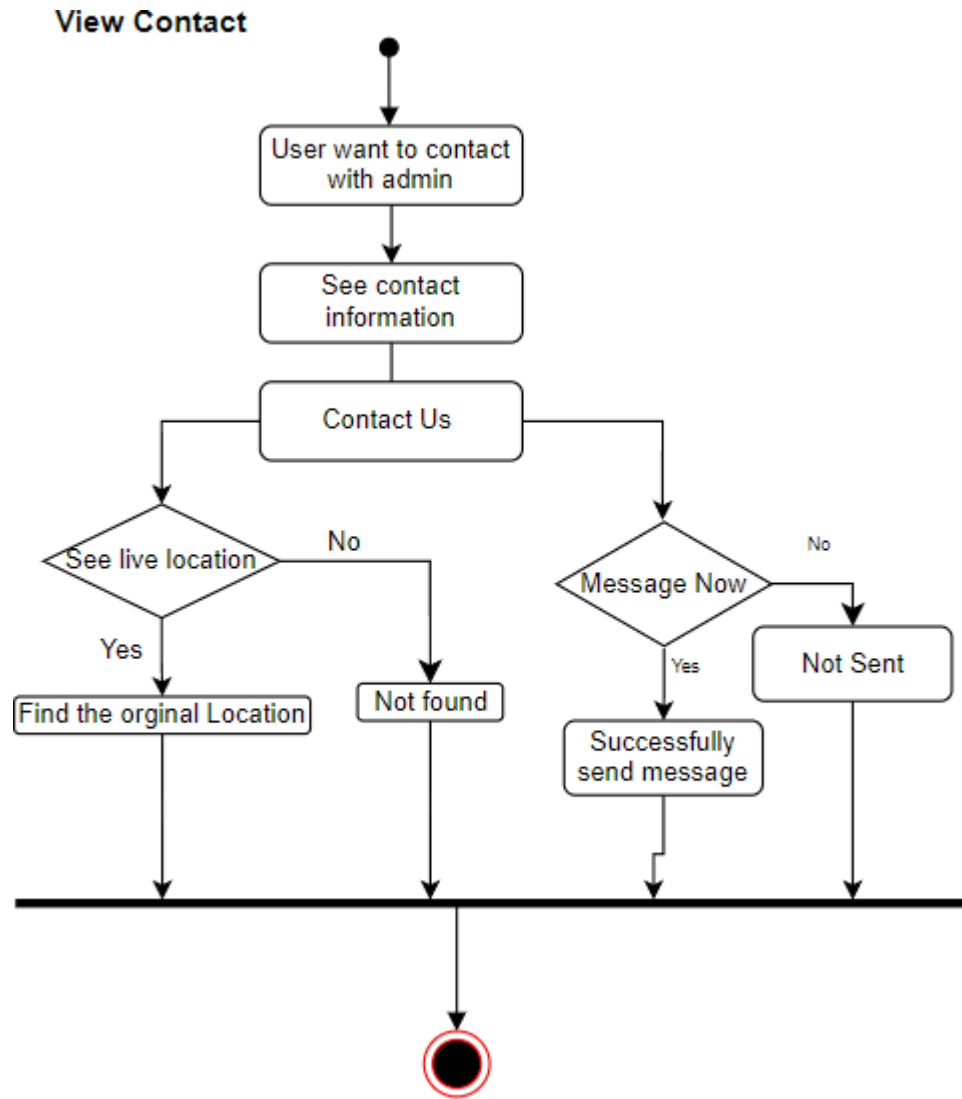


Figure 2.3.3.5: View Contact

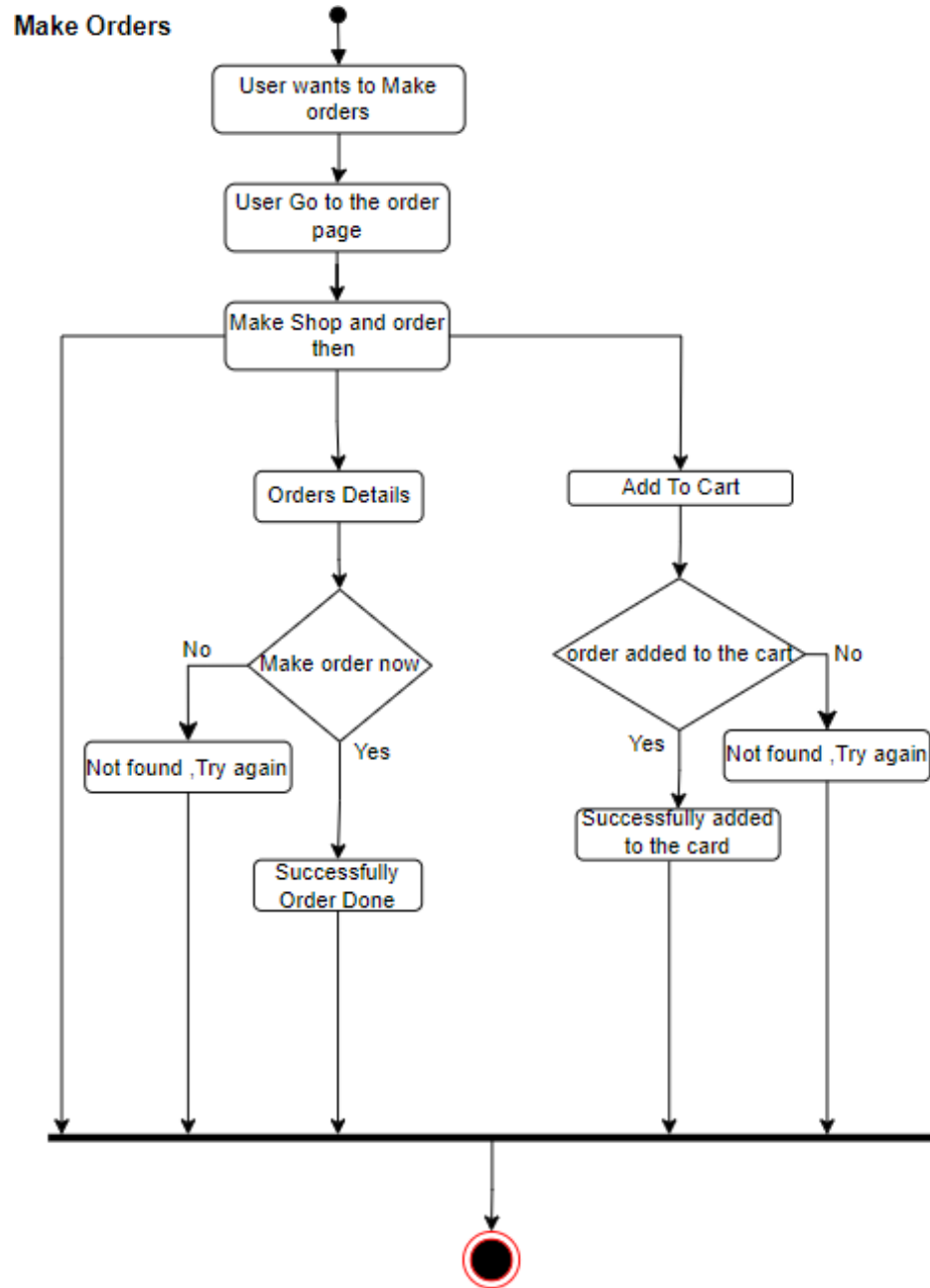


Figure 2.3.3.6: Make Orders

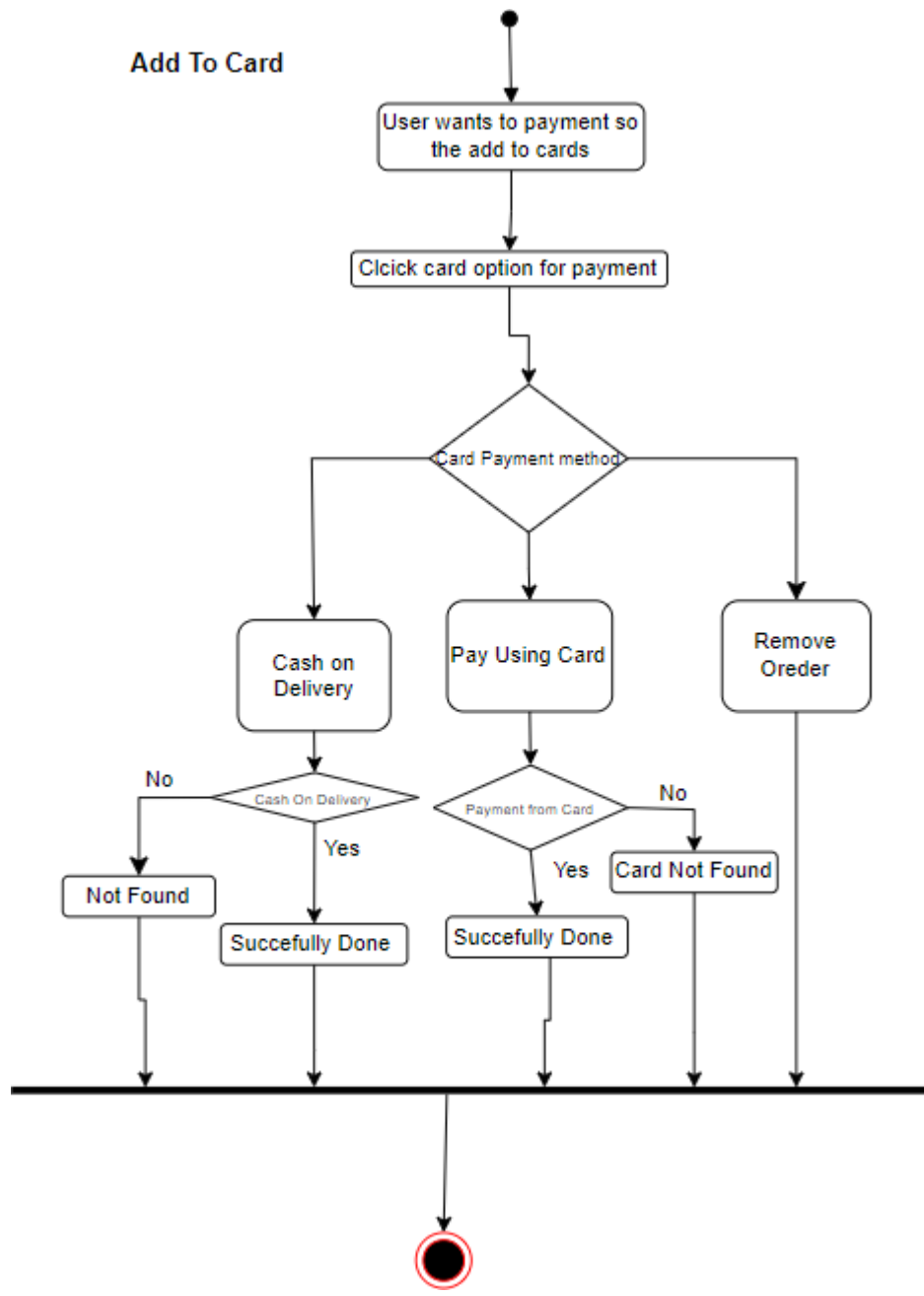


Figure 2.3.3.7: Add to Card

View Category

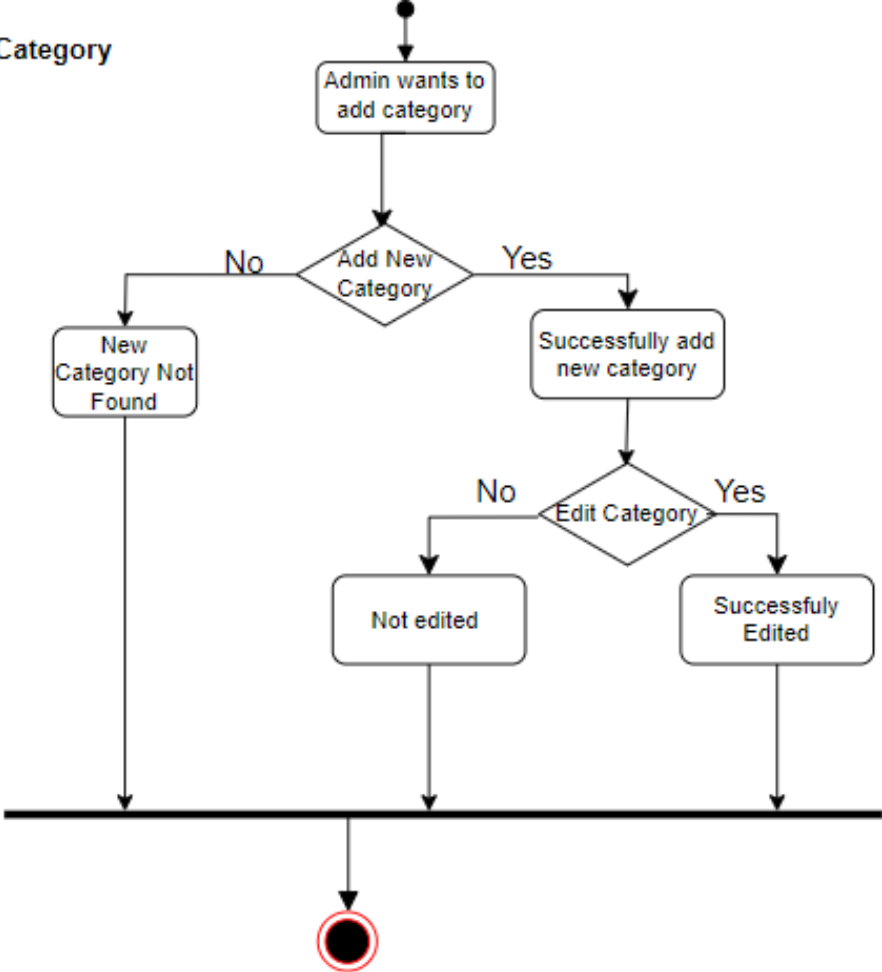


Figure 2.3.3.8: View Category

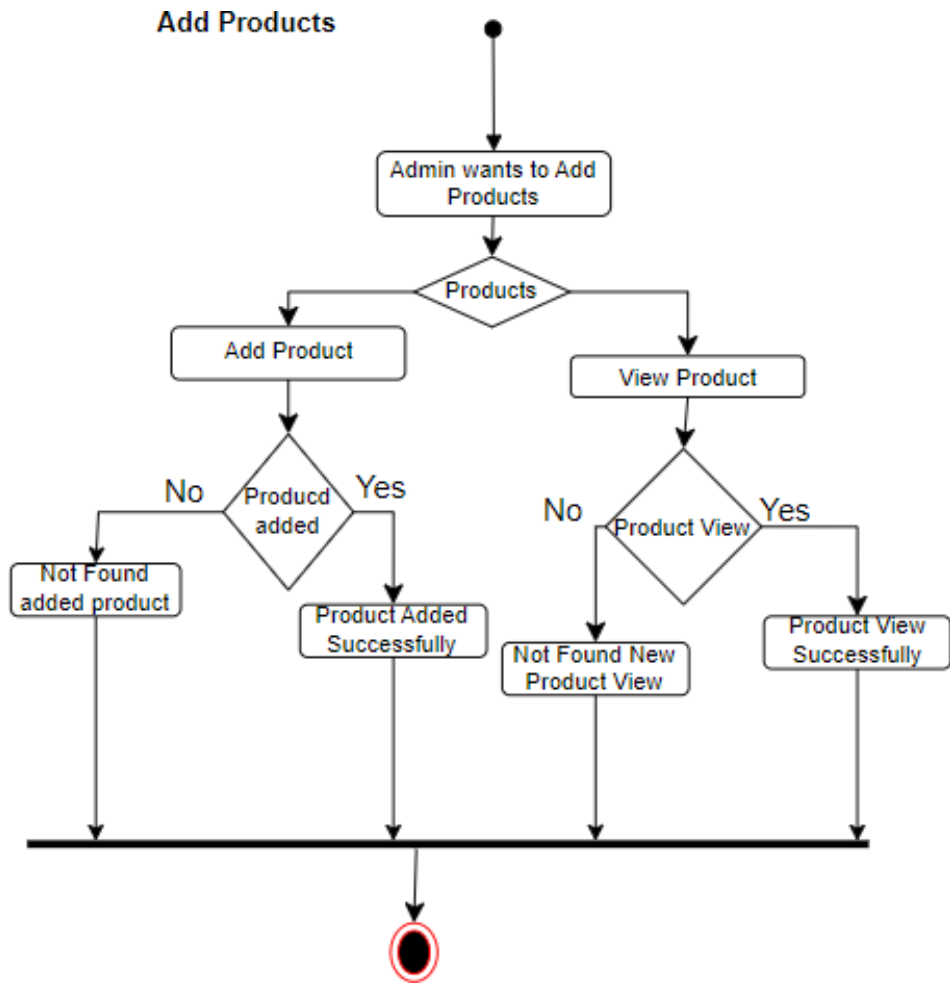


Figure 2.3.3.9: Add Products

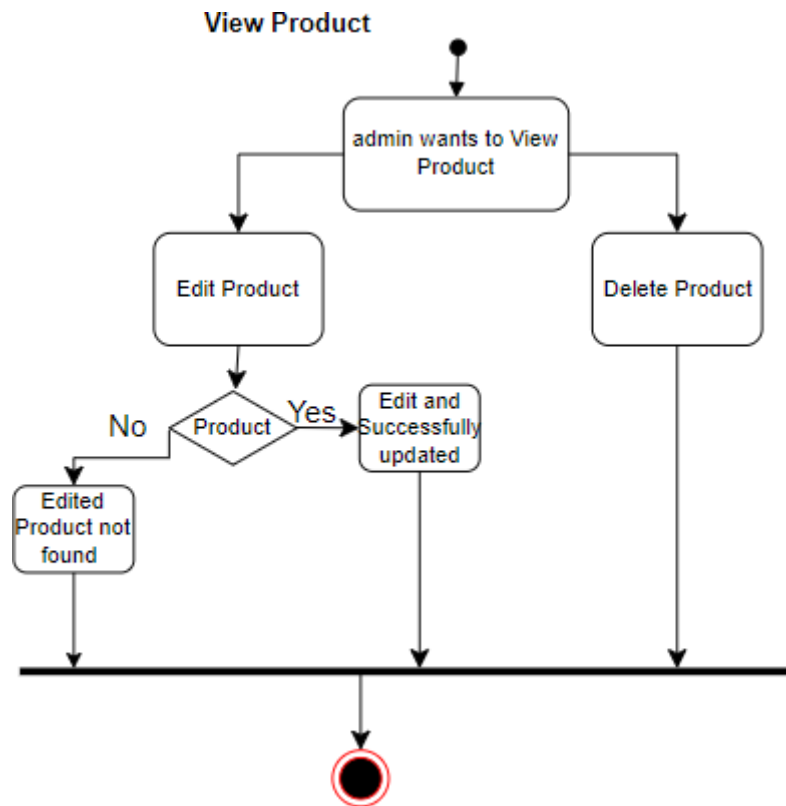


Figure 2.3.3.10: View Product

Update Product

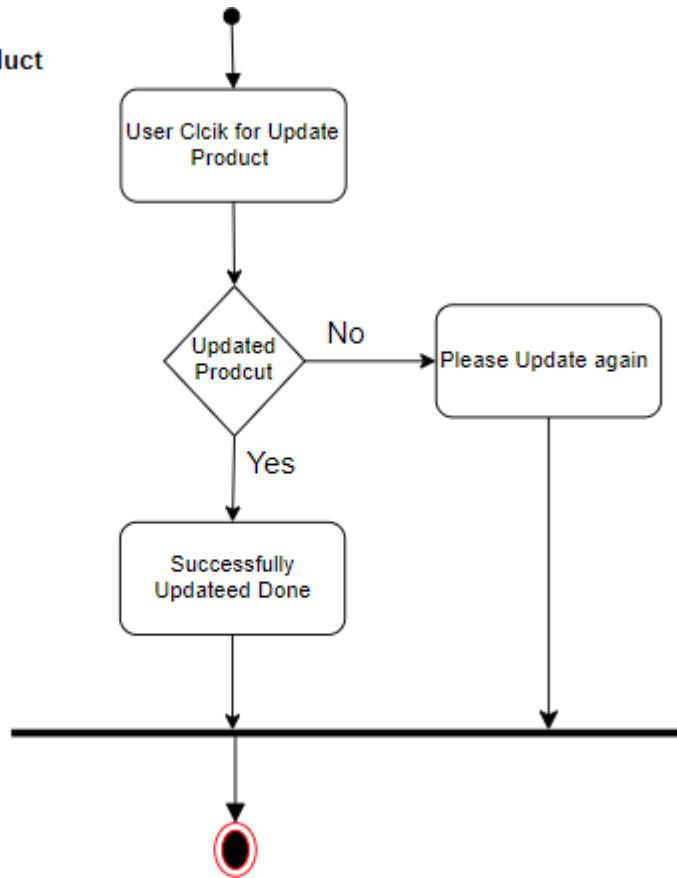


Figure 2.3.3.11: Update Product

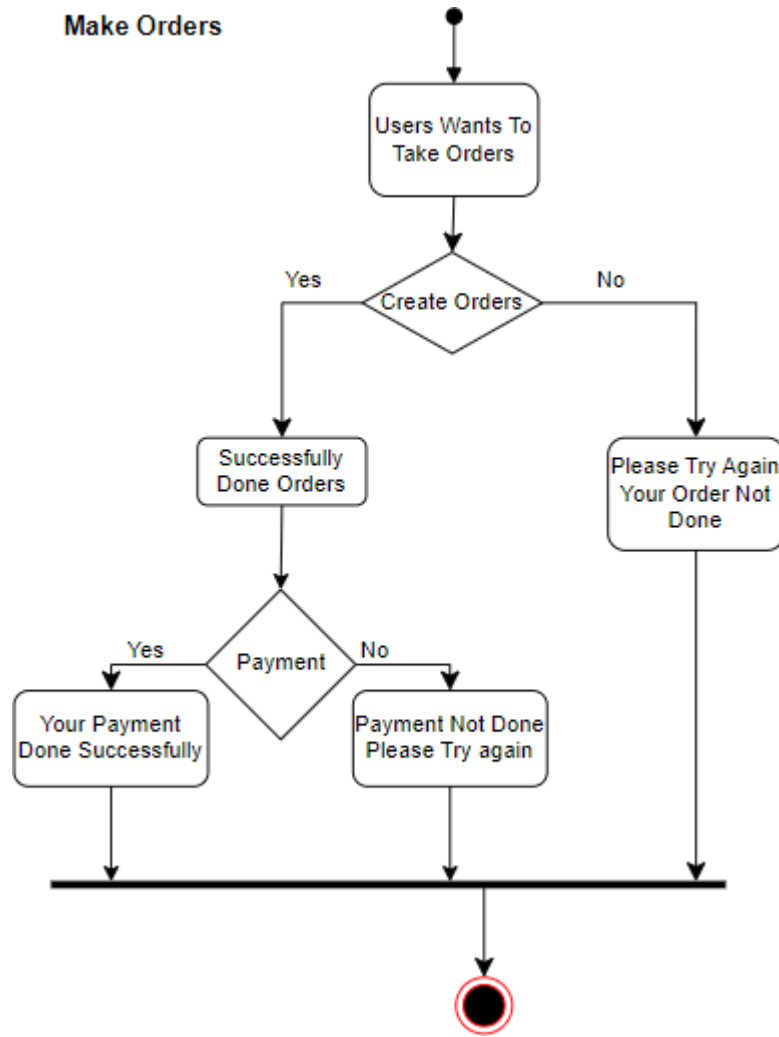


Figure 2.3.3.11: Make Orders

Make Message

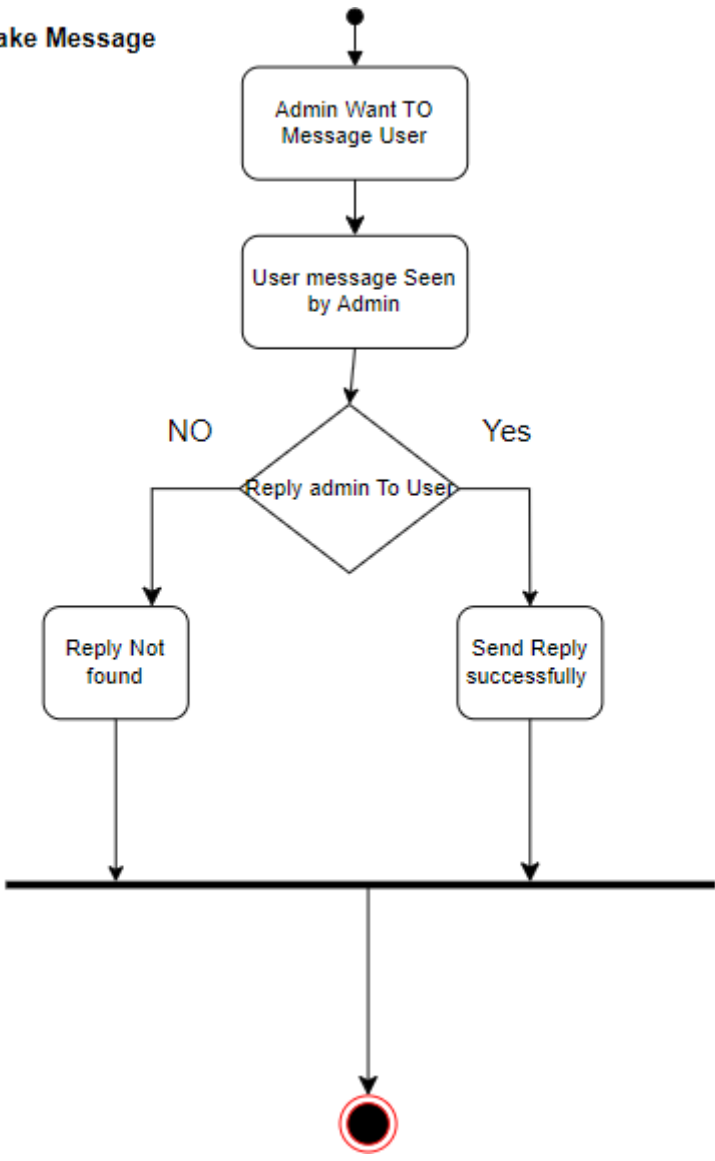


Figure 2.3.3.13: Make Message

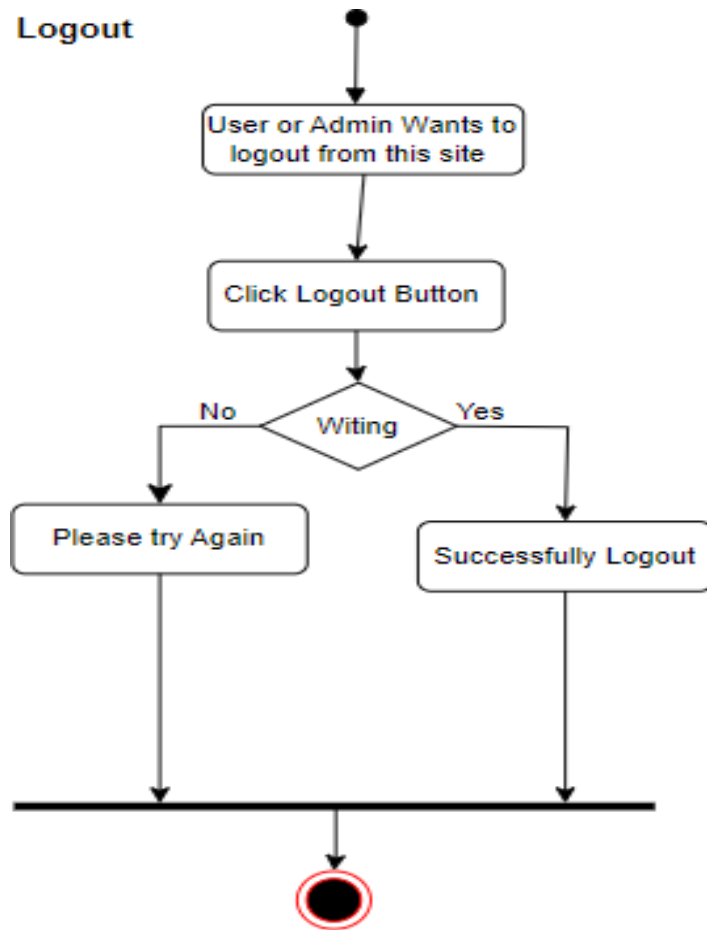


Figure 2.3.3.14: Logout

2.4.4 Sequence Diagram

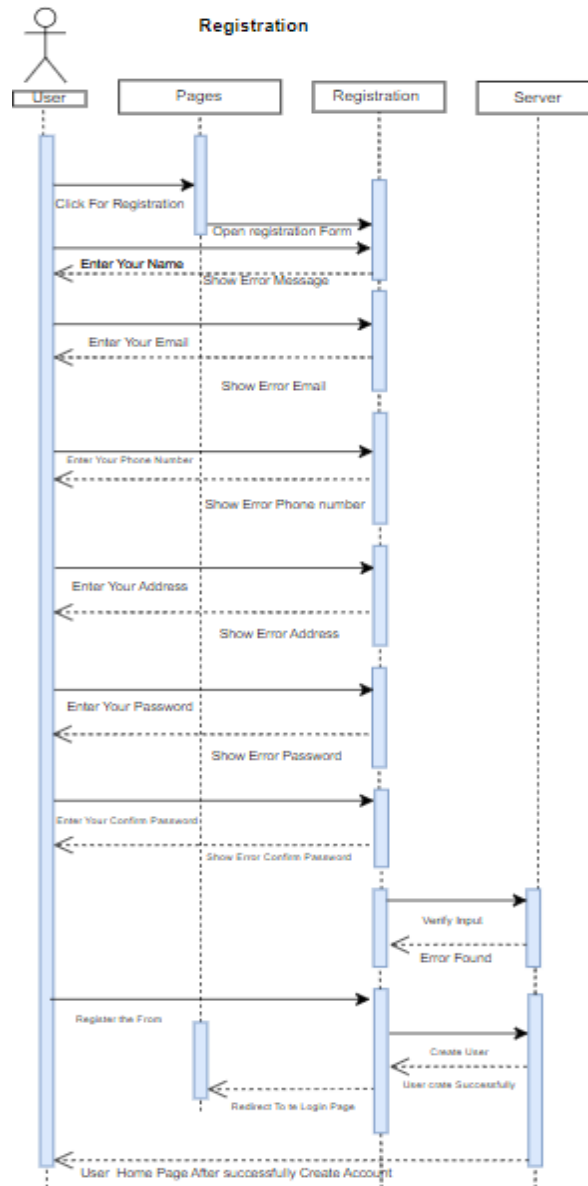


Figure 2.4.4.1: Registration

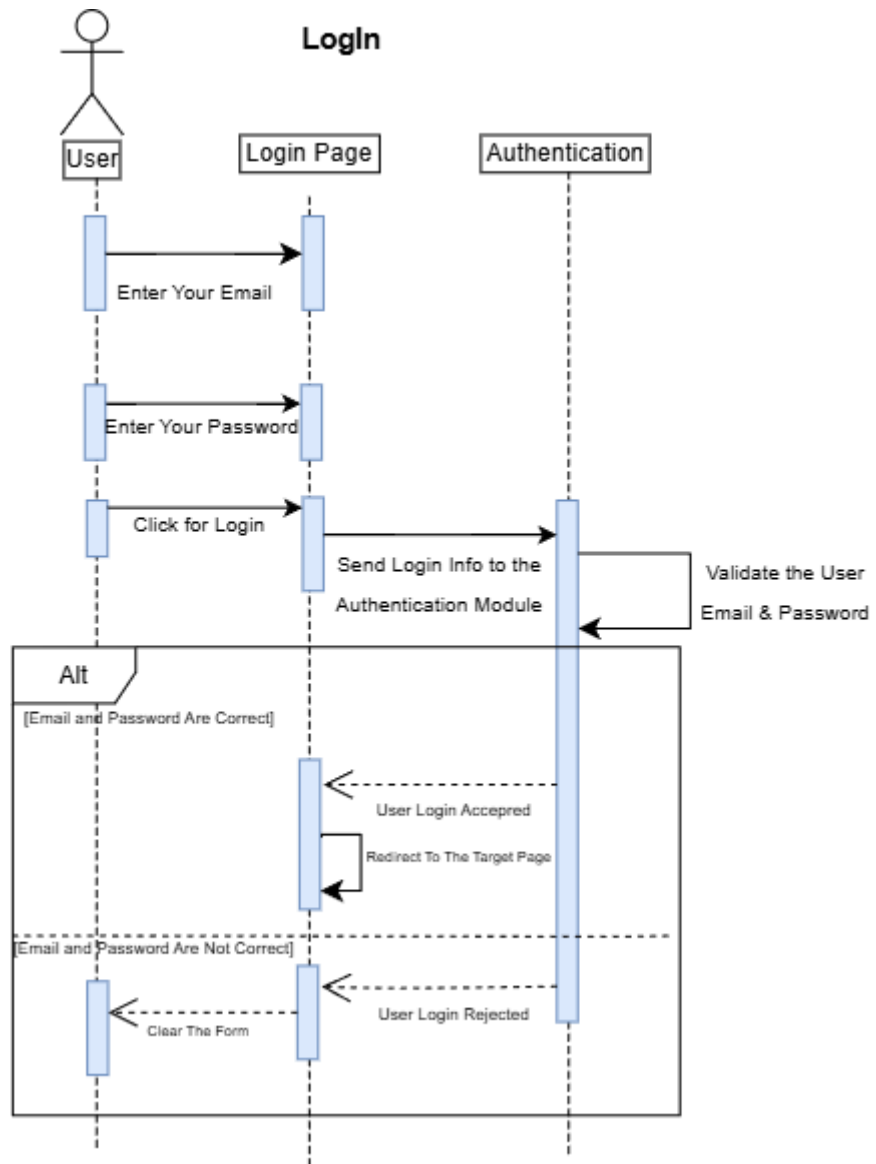


Figure 2.4.4.2: Login

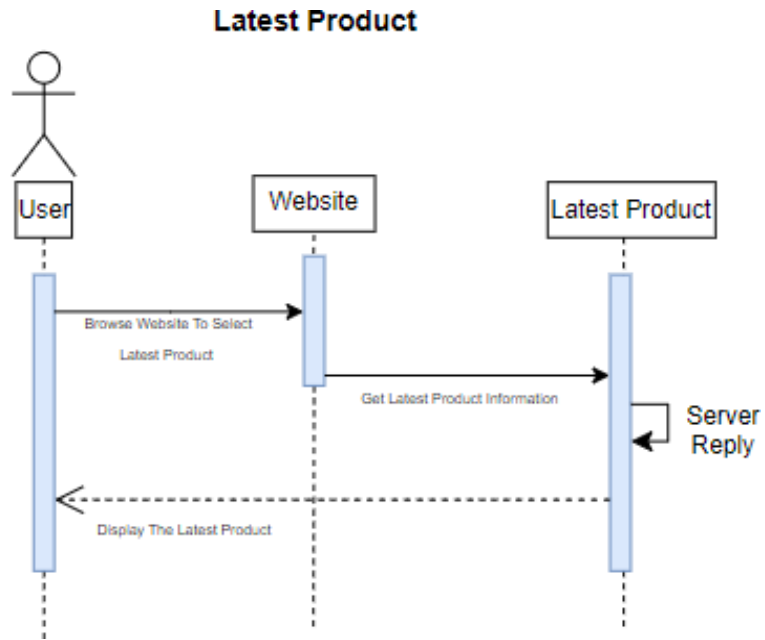


Figure 2.4.4.3: Latest Product

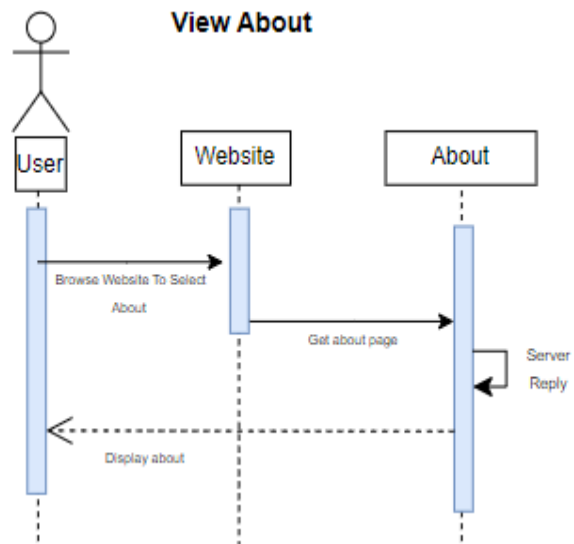


Figure 2.4.4.4: View About

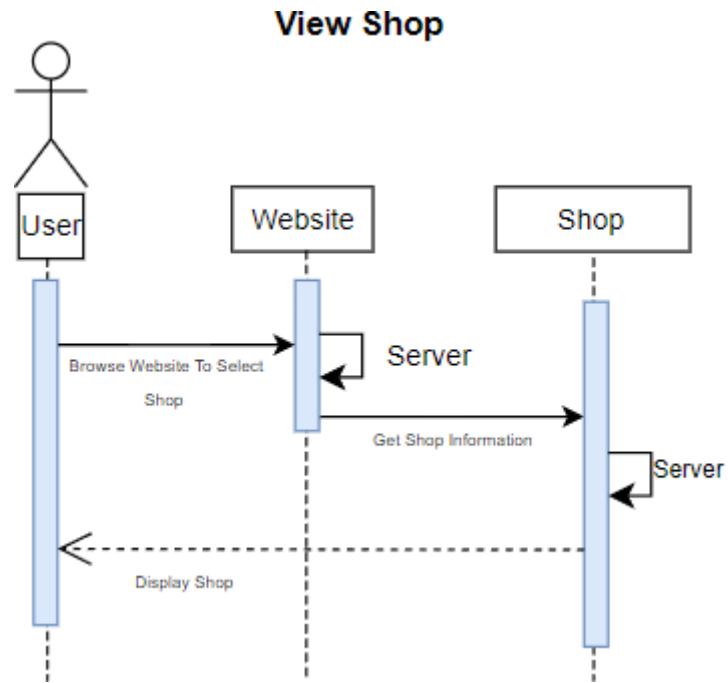


Figure 2.4.4.5: View Shop

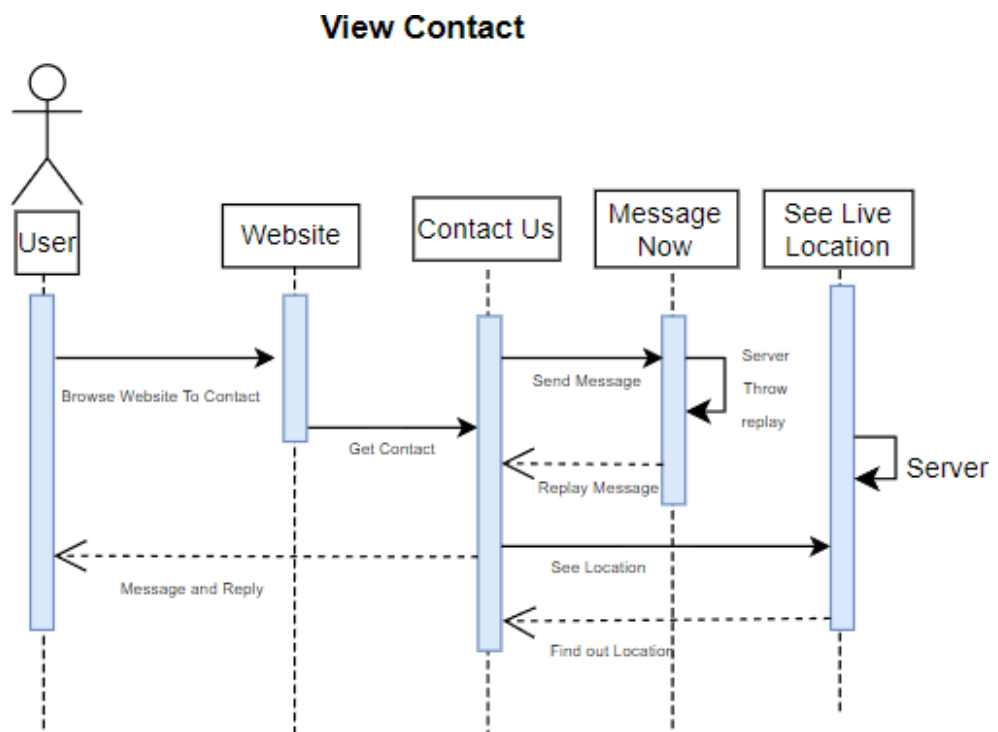


Figure 2.4.4.6: View Contact

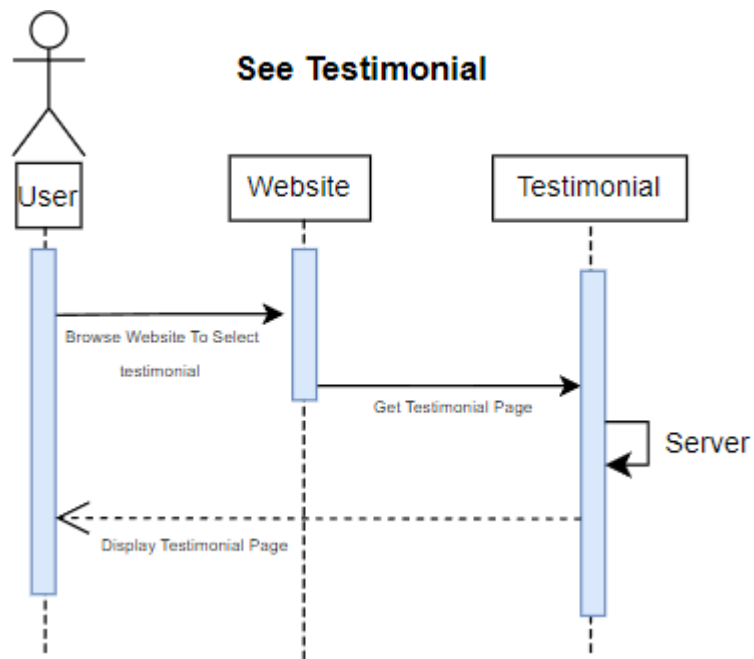


Figure 2.4.4.7: See Testimonial

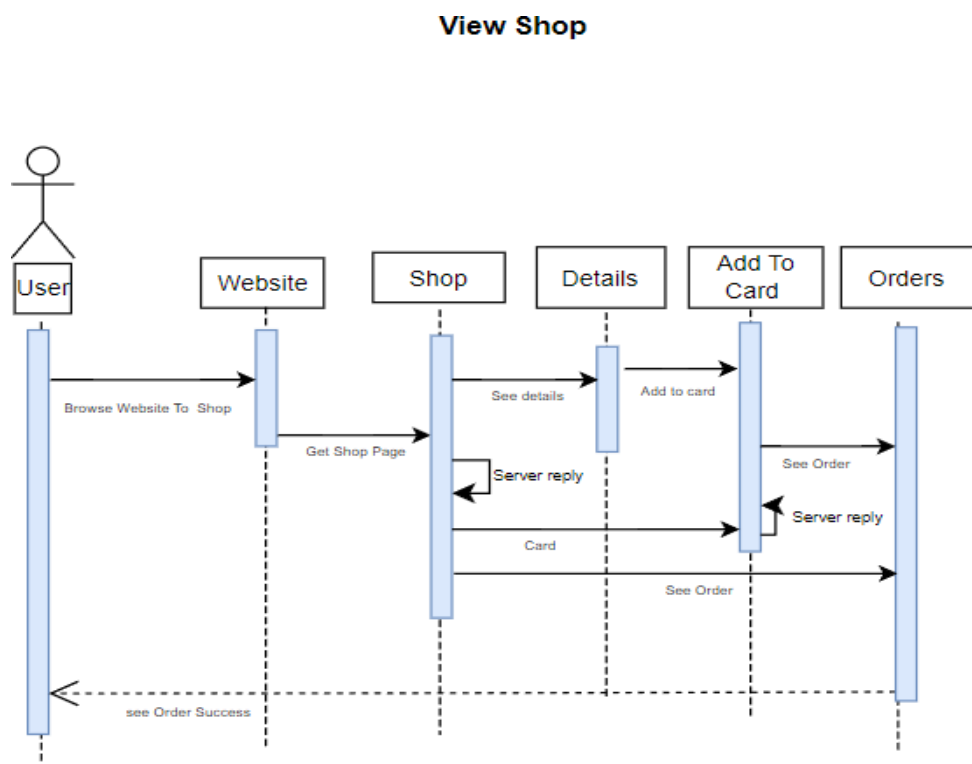


Figure 2.4.4.8: View Shop

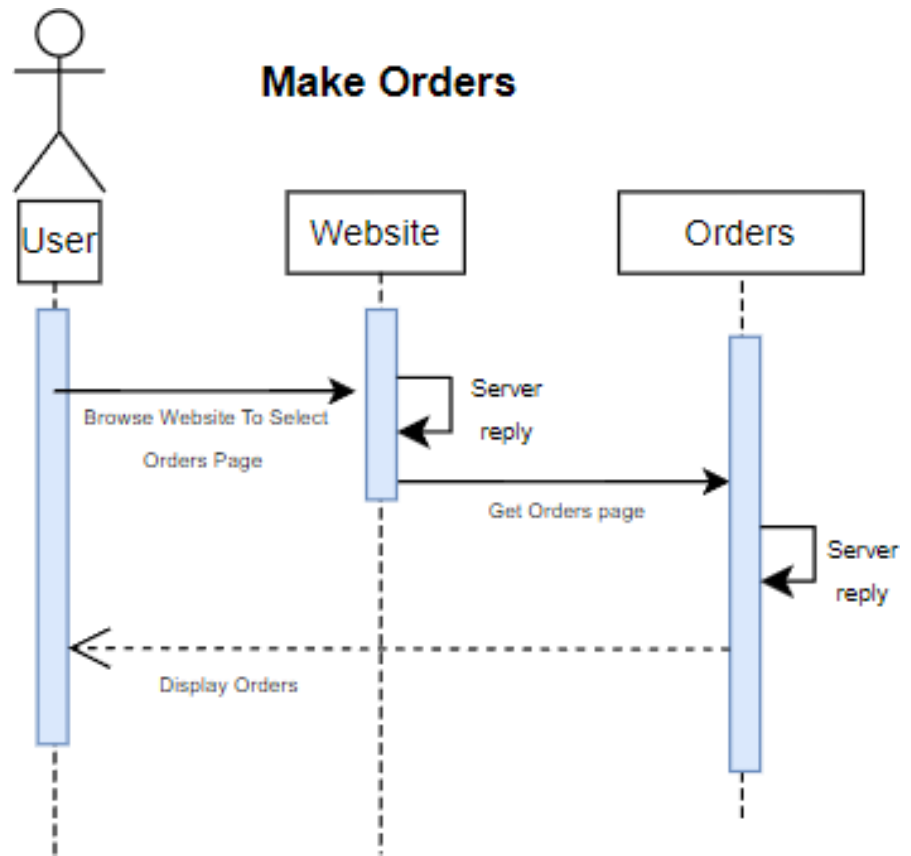


Figure 2.4.4.9: Make Orders

Add To Cards

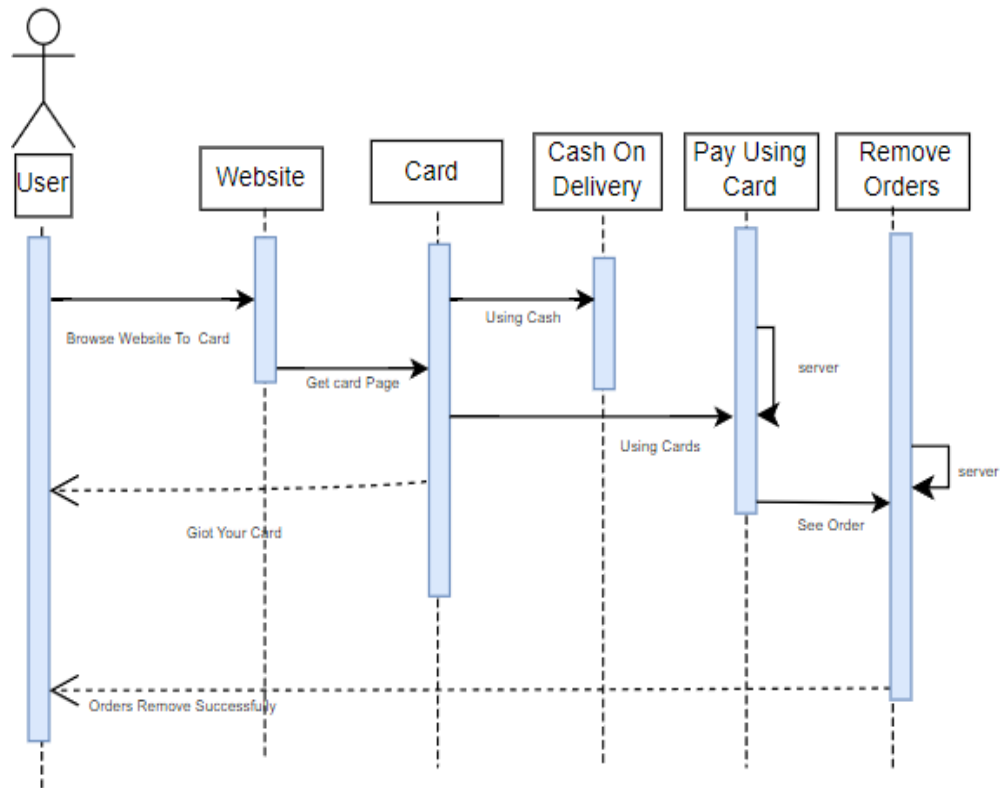


Figure 2.4.4.10: Add to Cards

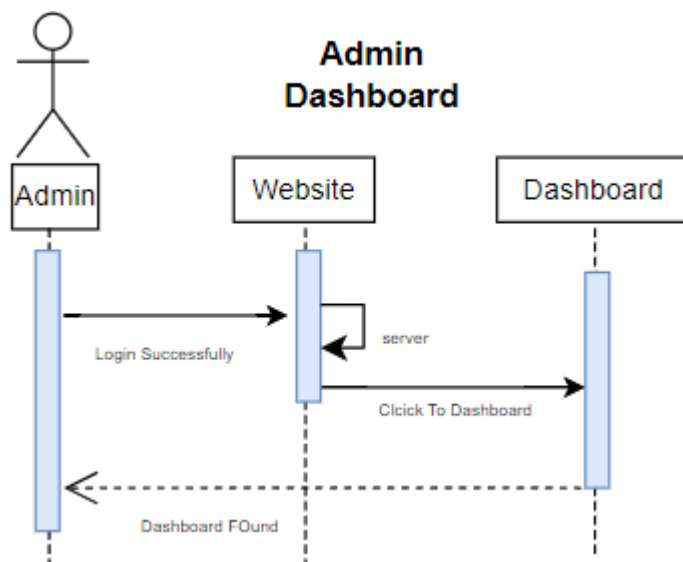


Figure 2.4.4.11: Admin Dashboard

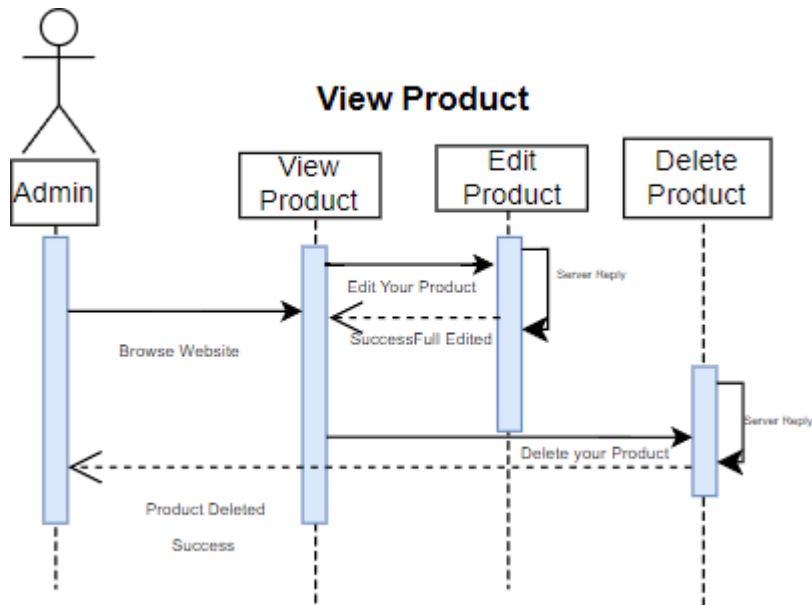


Figure 2.4.4.12: View Product

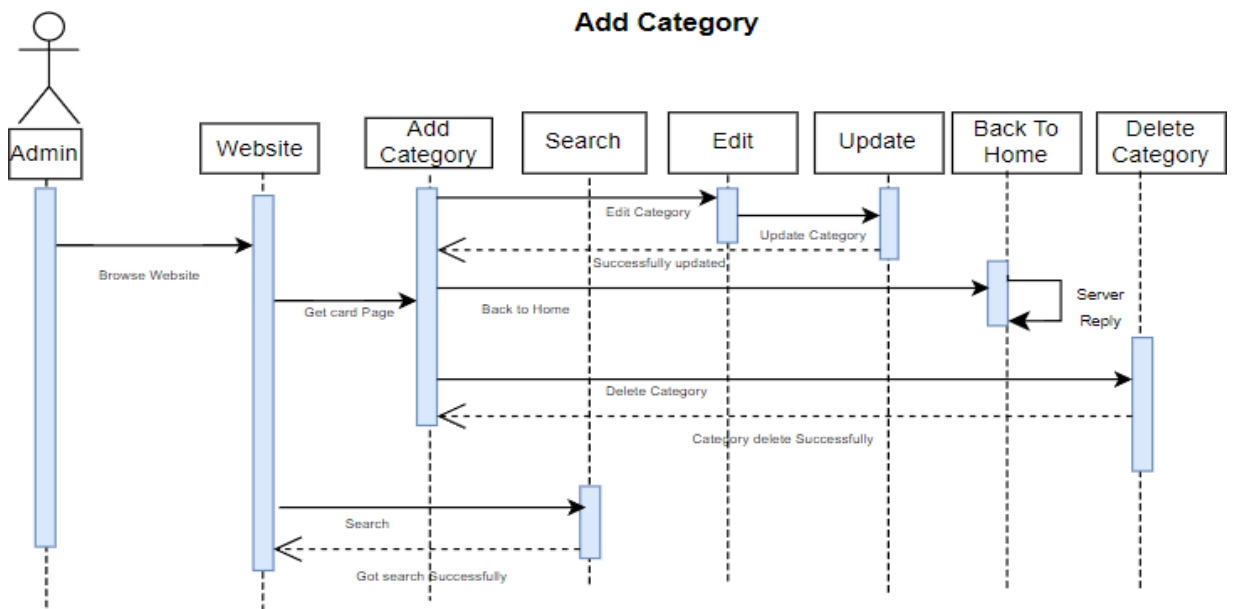


Figure 2.4.4.13: Add Category

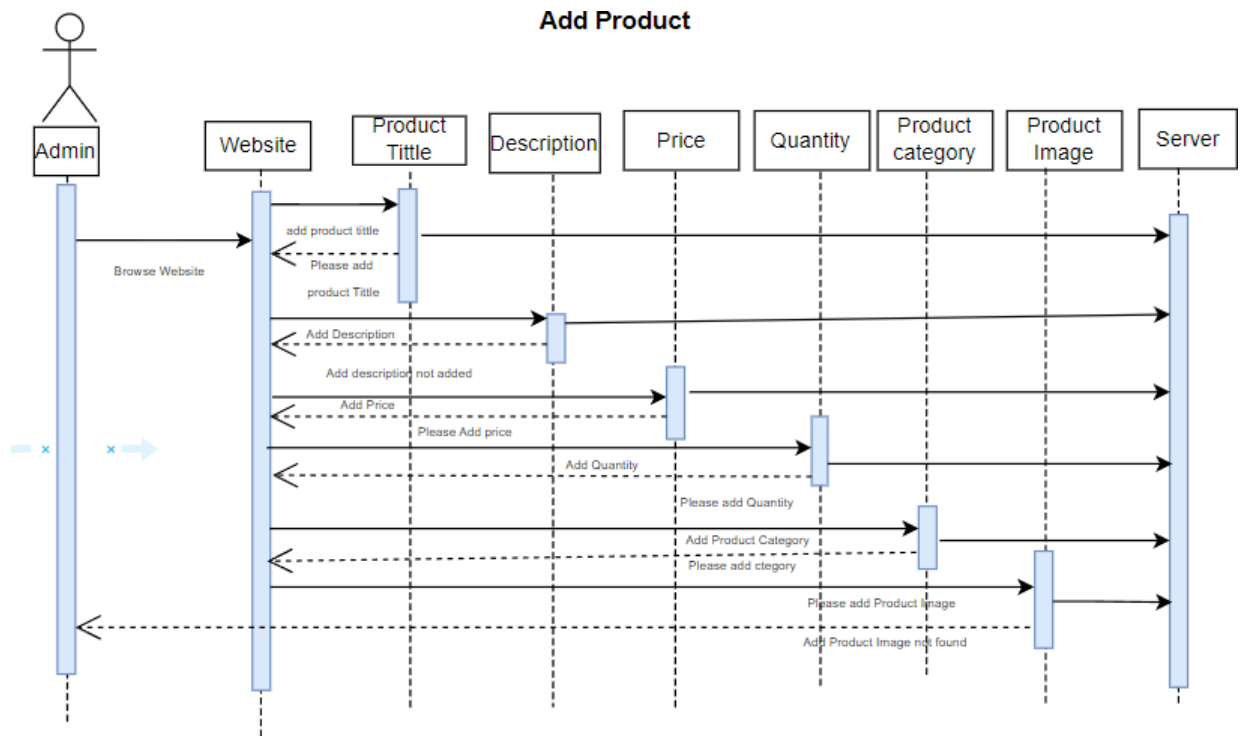


Figure 2.4.4.14: Add Product

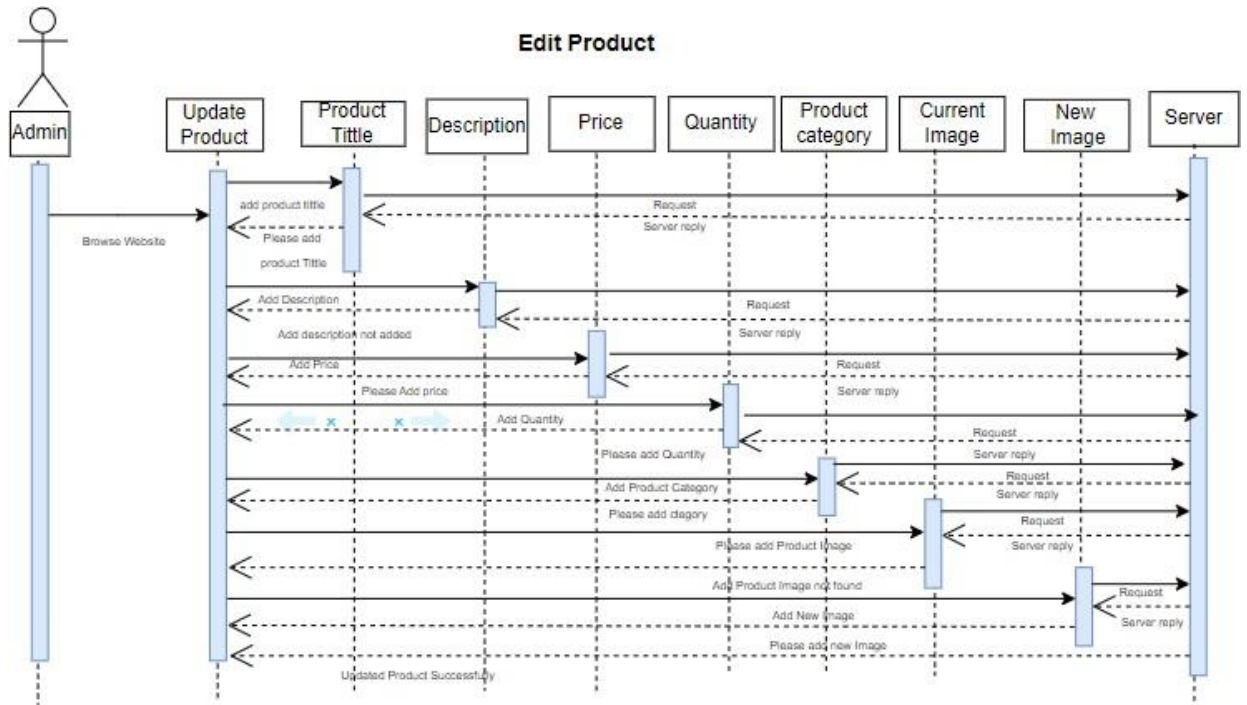


Figure 2.4.4.15: Edit Product

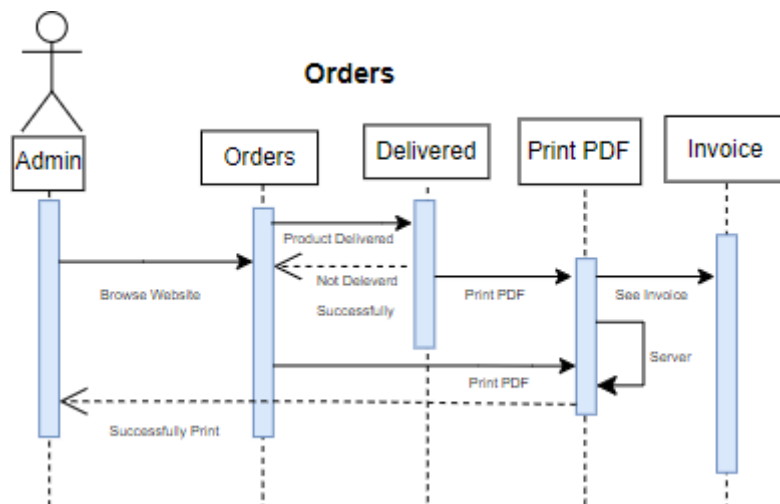


Figure 2.4.4.16: Orders

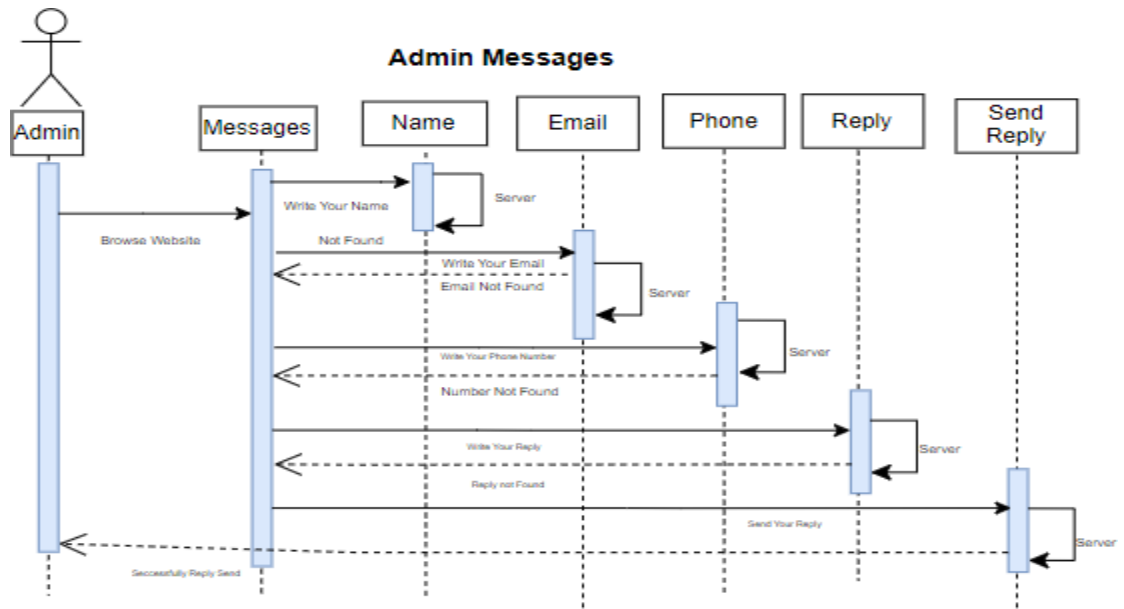


Figure 2.4.4.17: Admin Messages

2.4.5 Class Diagram

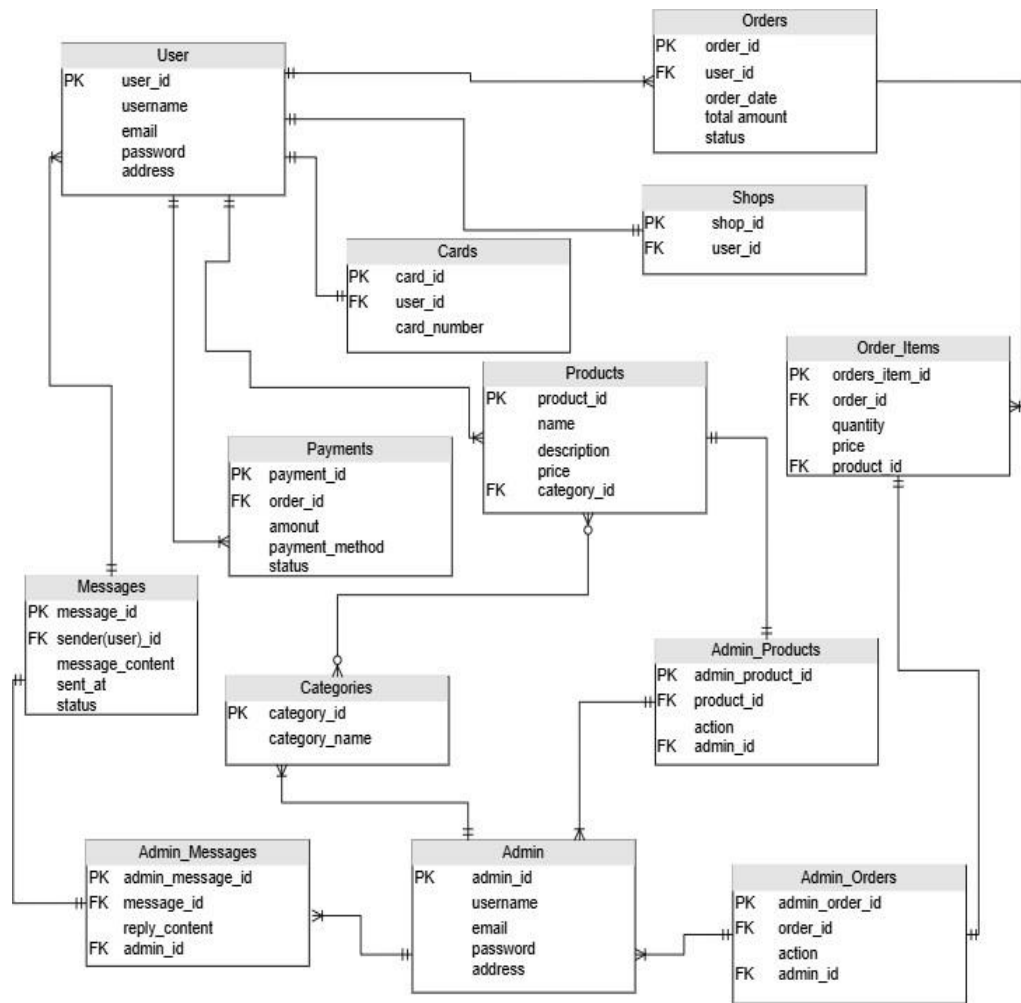


Figure 4: Class Diagram

2.4.6 ER Diagram

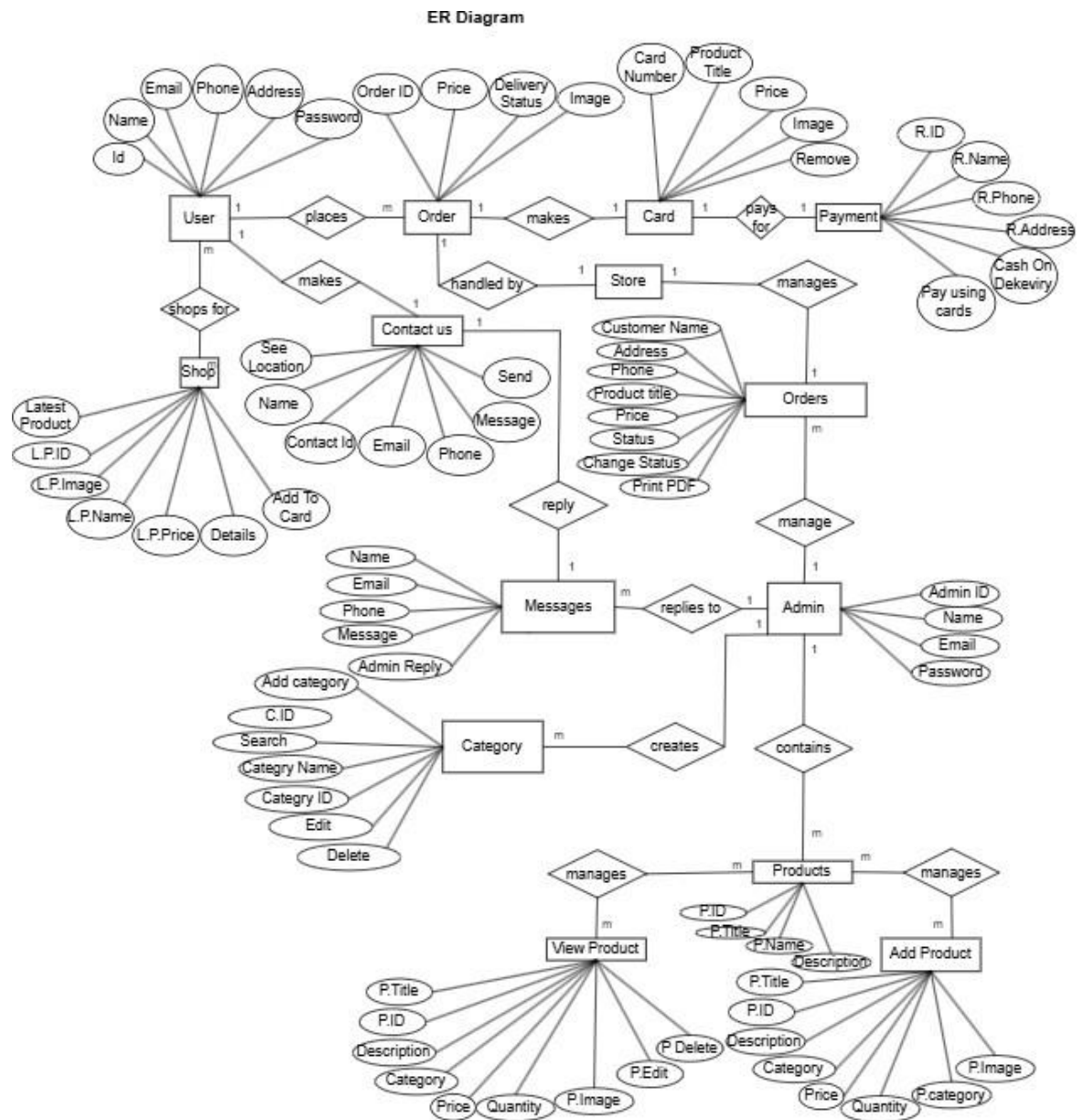


Figure 5: ER Diagram

2.5 Coding: Appendix A

The Coding Appendix provides a glimpse into the key components and functionalities of the YOUR SHOP e-commerce platform. It includes sample code snippets highlighting essential features like user registration, product listing, and order management. Each code example demonstrates how Laravel is utilized to create a seamless and efficient system for both users and admins. By showcasing these examples, the appendix emphasizes the platform's robust structure and maintainable coding practices, ensuring scalability and ease of use. All code are here in my GitHub

<https://github.com/KaziMoyan/L11ecommerce.git>

2.6 Summary

In this chapter, I have outlined the design and implementation of the YOUR SHOP e-commerce platform. I started by defining the functional and non-functional requirements to ensure the platform is efficient and user-friendly for both users and admin. Because use case diagrams gave me an overall view of interactions in the system, I used them to make sense of the functionality, while activity diagrams helped visualize the flow of the system, sequence diagrams helped visualize the temporal aspect, class diagrams helped visualize the structure of the system, and ER diagrams helped visualize the data model of the system. These diagrams allowed me to visualize the platform structure and functionality in a clear-cut manner. Finally, I created and added sample code in Appendix A to demonstrate how this can be implemented in the Laravel framework. In this chapter, I demonstrate how I have developed the design into an operational system aligned with the platform's objectives.

Chapter 3 Software Testing

3.1 Introduction

Welcome to the seventh chapter of my YOUR SHOP e-commerce software development journey! So you test because it helps you to find and fix problems prior to deployment. The project has two main user groups, admins and customers, with different functionality. Admins handle items, orders and customer information and customers can view products, add to cart, and order. It maps every single aspect of the platform, including user sign-ups, product searches, shopping cart activities, orders, payment integration, and admin functionalities. I achieve this by running different types of tests, including unit tests, usability tests, performance tests, etc. This chapter discusses some of the efforts made to ensure the platform remains stable and functional.

3.2 Testing Features

3.2.1 Feature to Be Tested

- a. User Registration
- b. User Login
- c. Product Browsing
- d. Add to Cart
- e. View Order(User)
- f. Admin Login
- g. Admin Dashboard
- h. Add Category
- i. Add Product
- j. View Order(Admin)

3.3 Testing Strategies

3.3.1 Test Approach

For my YOUR SHOP e-sales platform, I have outlined a comprehensive testing strategy to make sure everything runs smoothly and meets the specifications. How is functional testing on an e-commerce web app done? Functional testing is performed to ensure important functionalities such as user registration, user login, product searching, cart management, and order processing are working as expected. Additionally, I will check the performance of the platform to ensure that it is able to manage high traffic and large data. Because customers and admins will be using the platform, usability testing will ensure that users can navigate the platform seamlessly. Integration testing will ensure that all components of the system, such as the front end, back end, payment gateways, and database, work properly together. I will also perform security testing to discover and resolve vulnerabilities to secure user data. Finally, I am going to do regression testing to check whether any of the fixes introduce new bugs. This will ensure that the platform is reliable, secure, and easy to use.

3.3.2 Pass/Fail Criteria

For my YOUR SHOP e-commerce platform, I've set simple pass/fail criteria based on what the platform is supposed to do and what users expect. In functional testing, a feature passes if it works correctly, providing the right output for valid inputs and handling errors properly. If it doesn't, it fails. For performance, the platform should load in under 3 seconds and be able to handle many users at once. If it can't, it fails. In security testing, we make sure the platform is secure and doesn't have issues like data leaks. If there are security flaws, it fails. Usability testing ensures the platform is easy to use and the instructions are clear. If it's confusing or hard to use, it fails. Lastly, accessibility testing checks if everyone, including people with disabilities, can use the platform. If it doesn't meet these standards, it fails. Any problems found will be fixed before the platform can go live.

3.4 System Testing (Test Cases with Report)

Table 3.4.1: Test Case Report for User Registration.

Test Case: 3.4.1		Test Case Name: User Registration					
System: YOUR SHOP e-commerce		Subsystem: User Authentication					
Designed by: User		Design Date: 25/12/2024					
Executed by: User		Execution Date: 24/12/2024					
		Description: The user registers for the Sales and Inventory System by providing valid registration information.					
		Pre-condition: The user accesses the registration page.					
Step	Name	Email	Password	Retype password	Response	Pass / Fail	Comment
1	User	user@gmail.com	12345678	12345678	Registration Successful	Pass	Registration is successful with valid input.
2	UseR	user@gmail.com	12345678	12354678	Name is Invalid	Fail	Write your name again
3	User	user@gmail.com	12345678	12345698	Password is Mismatch	Fail	Please write your password
4	User	usooer@gmail.com	12345678	12345678	Email is not valid	Fail	Please write right email
		Post-condition: The user is successfully registered with valid information, and the process is complete.					

Table 3.4.2: Test Case Report for User Login

Test Case: 3.4.2		Test Case Name: User Login				
System: YOUR SHOP e-commerce		Subsystem: User Authentication				
Designed by: User		Design Date: 25/12/2024				
Executed by: User		Execution Date: 24/12/2024				
		Description: The user registers for the Sales and Inventory System by providing valid registration information.				
		Pre-condition: The user accesses the registration page.				
Step	Name	Email	Password	Response	Pass / Fail	Comment
1	User	user@gmail.com	12345678	Login Successful	Pass	User logs in successfully with valid credentials.
2	User	user@gmail.com	12345679	Invalid Password	Fail	Password is incorrect. Please try again.
3	User	nuser@gmail.com	12345678	User Not Found	Fail	Email is not registered
4	User	user@gmail.com		Password Missing	Fail	Password field cannot be empty.
		Post-condition: The user is successfully logged in with valid credentials.				

Table 3.4.3: Test Case Report for Product Browsing

Test Case: 3.4.3		Test Case Name: Product Browsing		
System: YOUR SHOP e-commerce		Subsystem: Product Catalog		
Designed by: User		Design Date: 25/12/2024		
Executed by: User		Execution Date: 24/12/2024		
		Description: The user browses the product categories and product details.		
		Pre-condition: The user is logged in and can access the product catalog.		
Step	Action	Response	Pass / Fail	Comment
1	Browse Categories	Categories displayed	Pass	Categories are shown correctly
2	View Product	Product details displayed	Pass	Product details are shown correctly.
3	Filter Products	Filter results displayed	Pass	Products are filtered correctly
4	Add Product to Cart	Product added to cart	Pass	Product is successfully added to cart.
Post-condition: The user can browse products, view details, and add items to the cart				

Table 3.4.4: Test Case Report for Add to Cart

Test Case: 3.4.4		Test Case Name: Add to Cart			
System: YOUR SHOP e-commerce		Subsystem: Shopping Cart			
Designed by: User		Design Date: 25/12/2024			
Executed by: User		Execution Date: 24/12/2024			
		Description: The user adds a product to the cart.			
		Pre-condition: The user is logged in and has accessed a product			
Step	Action	Quantity	Response	Pass /Fail	Comment
1	Product A	1	Product added to cart	Pass	Product is successfully added to cart.
2	Product B	2	Product added to car	Pass	Multiple quantity added to cart.
3	Product C	0	Invalid Quantity	Fail	Quantity cannot be zero.
4	Product D	-1	Invalid Quantity	Fail	Quantity cannot be negative.
Post-condition: The product is added to the cart successfully.					

Table 3.4.5: Test Case Report for Admin Login

Test Case: 3.4.5		Test Case Name: Admin Login			
System: YOUR SHOP e-commerce		Subsystem: Admin Authentication			
Designed by: Admin		Design Date: 25/12/2024			
Executed by: User		Execution Date: 24/12/2024			
		Description: The admin logs into the system with valid credentials.			
		Pre-condition: The admin has valid login credentials.			
Step	Email	Password	Response	Pass / Fail	Comment
1	admin@gmail.com	12345678	Login Successful	Pass	User logs in successfully with valid credentials.
2	admin@gmail.com	12345679	Invalid Password	Fail	Password is incorrect. Please try again.
3	admin@gmail.com	12345678	admin Not Found	Fail	Email is not registered
4	admin@gmail.com		Password Missing	Fail	Password field cannot be empty.
Post-condition: The admin is successfully logged in..					

Table 3.4.6: Test Case Report for Admin Dashboard

Test Case: 3.4.6		Test Case Name: Admin Dashboard		
System: YOUR SHOP e-commerce		Subsystem: Admin Management		
Designed by: Admin		Design Date: 25/12/2024		
Executed by: Admin		Execution Date: 24/12/2024		
		Description: The admin accesses the dashboard and views the system status.		
		Pre-condition: The admin is logged in.		
Step	Action	Response	Pass / Fail	Comment
1	Access Dashboard	Dashboard loads successfully	Pass	Dashboard is displayed with key metrics.
2	View Orders	Orders displayed correctly	Pass	Orders are shown in the dashboard..
3	View Users	Users list displayed	Pass	User list is available for management.
Post-condition: The admin can view important data on the dashboard, such as orders and users.				

Table 3.4.7: Test Case Report for Admin Dashboard

Test Case: 3.4.7		Test Case Name Add Category		
System: YOUR SHOP e-commerce		Subsystem: Admin Product Category		
Designed by: Admin		Design Date: 25/12/2024		
Executed by: Admin		Execution Date 24/12/2024		
		Description: The admin adds a new product category to the system.		
		Pre-condition: The admin is logged in.		
Step	Category Name	Response	Pass / Fail	Comment
1	Electronics	Category added successfully	Pass	Category is added to the system.
2	Clothing	Category added successfully	Pass	Category is added to the system.
3		Category name is missing	Pass	Category name is required.
Post-condition: A new category is added to the product catalog..				

Table 3.4.8: Test Case Report for Add Category

Test Case: 3.4.8		Test Case Name Add Category		
System: YOUR SHOP e-commerce		Subsystem: Admin Product Category		
Designed by: Admin		Design Date: 25/12/2024		
Executed by: Admin		Execution Date 24/12/2024		
		Description: The admin adds a new product category to the system.		
		Pre-condition: The admin is logged in.		
Step	Category Name	Response	Pass / Fail	Comment
1	Electronics	Category added successfully	Pass	Category is added to the system.
2	Clothing	Category added successfully	Pass	Category is added to the system.
3		Category name is missing	Pass	Category name is required.
Post-condition: A new category is added to the product catalog..				

Table 3.4.9: Test Case Report for Add Product

Test Case: 3.4.9		Test Case Name Add Product				
System: YOUR SHOP e-commerce		Subsystem: Admin Product				
Designed by: Admin		Design Date: 25/12/2024				
Executed by: Admin		Execution Date 24/12/2024				
		Description: The admin adds a new product to the catalog..				
		Pre-condition: The admin is logged in.				
Step	Product Name	Category Name	Price	Quantity	Pass /Fail	Response
1	Laptop	Electronics	1000	10	Pass	Product added successfully.
2	T-shirt	Clothing	20	50	Pass	Product added successfully.
3	Smartwatch		150	30	Pass	Category is missing
Post-condition: A new product is added to the catalog...						

Table 3.4.10: Test Case Report for View Order (Admin)

Test Case: 3.4.10		Test Case Name View Order (Admin)			
System: YOUR SHOP e-commerce		Subsystem: Admin Order Management			
Designed by: Admin		Design Date: 25/12/2024			
Executed by: Admin		Execution Date 24/12/2024			
		Description: The admin views a customer order in the admin portal.			
		Pre-condition: The admin is logged in and has access to orders.			
Step	Order ID	Action	Response	Pass / Fail	Response
1	12345	View Orders	Order details displayed	Pass	Order details displayed correctly.
2	12346	View Order	Order details displayed	Pass	Order details displayed correctly.
3	12347	Invalid Order ID	Order not found	Fail	Invalid order ID provided.
Post-condition: The admin is able to view and manage customer orders.					

3.5 Summary

In this chapter, I covered the testing process for my YOUR SHOP e-commerce platform. The features written to be test were user registration, user login, product browsing, cart management, order viewing and admin functionalities. I also covered the testing methods (functional, performance, security, usability, etc.), and mentioned the specific pass/fail criteria for each. Also, I defined test cases for all features to have everything tested and working properly before the platform goes live.

Chapter 4 Deployment and Maintenance

4.1 Introduction

This chapter explains the Deploy and Maintenance of YOUR SHOP ecommerce platform. Deployment involves making the platform live and accessible to users, while maintenance helps keep everything working properly after it has gone live. We will walk through the deployment requirements, environment, and tools used during deployment and the maintenance operations needed to keep the platform stable, secure, and up to date.

4.2 Try to follow the SRLC (software release life cycle):

SRLC is one of the most significant stages of developing YOUR SHOP e-commerce during its life cycle. The successful launch of the platform goes through a set of stages (L2 & L3) with a well-defined process. Planning is the first stage, where a system is conceptualized, followed by development, where a system is built. After testing phase, where platform is subjected to some kind of tests to check if it is working properly, meeting all functional and non-functional requirements. Once the testing is passed, the platform is deployed and gets live. The next phase of development, when the platform is running, is the maintenance phase, which involves monitoring and troubleshooting, performing regular updates, and ensuring system security. By adhering to SRLC, every segment is undertaken in a structured manner and nobody skips any crucial stages, resulting in fewer bugs, minimal downtime, and progressive enhancement of the platform. It also enables quicker implementation of new features and enhancements, allowing YOUR SHOP to stay relevant and address user needs as they evolve. SRLC — Software Release Lifecycle Management.

Chapter 5 User Manual

5.1 Introduction

This chapter will be the user manual of YOUR SHOP e-commerce platform. Users will be walked through the system's key features, navigating and using the system in step by step instructions. Doing so will help customers as well as administrators how to do things which will result in making the experience of both of them easy and smooth. The manual will include how customers register, login, browse stores, manage shopping cart, place Orders, and checkout. It will cover how to see products, add products to the cart, and buy them right after, making sure customers have an easy shopping experience. For admins, it will be about administration from the backend. It must cover how to upload and manage categories, how to upload new products, how to modify products, and how to remove products from the system. They will also learn how to view customer orders, where they will be able to process and update order status along with entering shipment details. It will also outline how you can access customer information and which admin is needed to run it. One of the primary purposes of the guide is to offer straightforward steps for anyone registering an account with the platform, whether they will be shopping on it or running a store on it. Therefore, this chapter will guide both customers and the admin through the entire process and makes sure that the e-commerce takes place smoothly

5.2 Project Functionalities

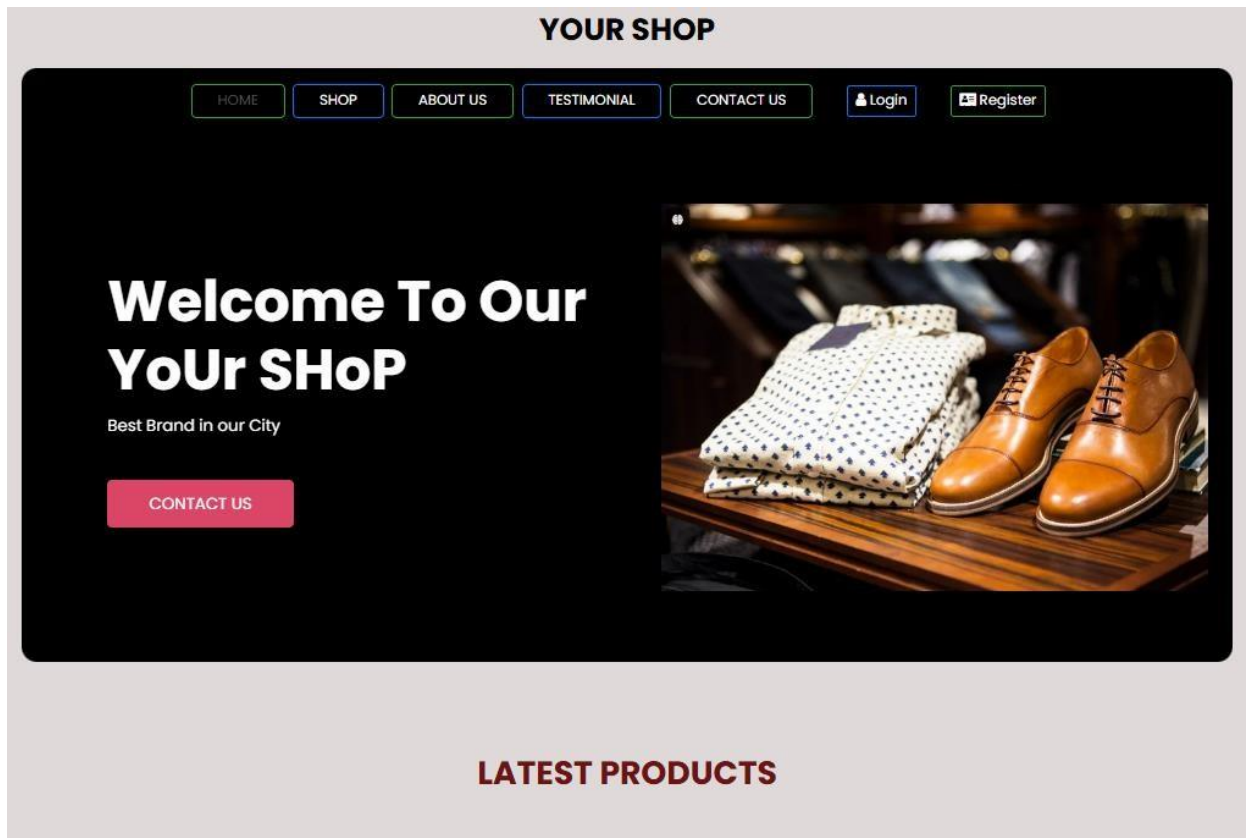
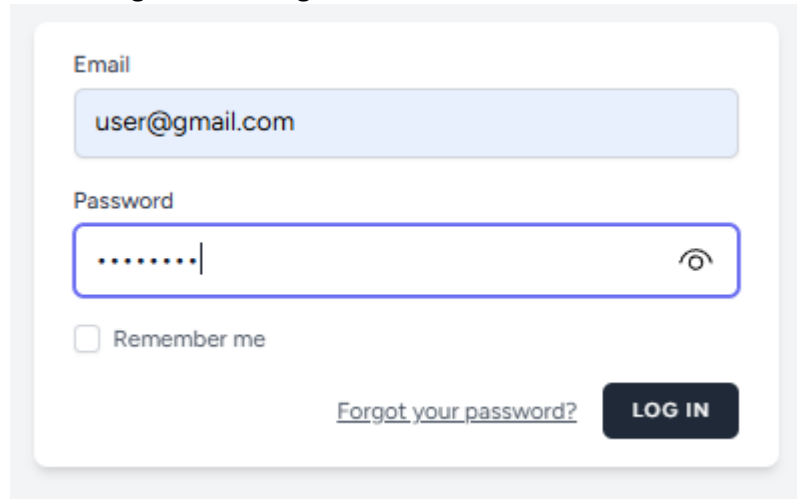


Figure 5.2.1: Dashboard for All Stakeholder

The image shows a registration form with the following fields and elements:

- Name**: A text input field.
- Email**: A text input field.
- Password**: A text input field.
- Confirm Password**: A text input field.
- [Already registered?](#): A link for users who are already registered.
- REGISTER**: A dark button for submitting the registration form.

Figure 5.2.2: Registration for All Stakeholder



The image shows a registration form with the following elements:

- Email:** A text input field containing "user@gmail.com".
- Password:** A text input field with masked characters "....." and a toggle icon (an eye) on the right side.
- Remember me:** A checkbox followed by the text "Remember me".
- Forgot your password?:** A text link located below the "Remember me" checkbox.
- LOG IN:** A dark button with white text, positioned to the right of the "Forgot your password?" link.

Figure 5.2.3: Login for All Stakeholder

Login as User:

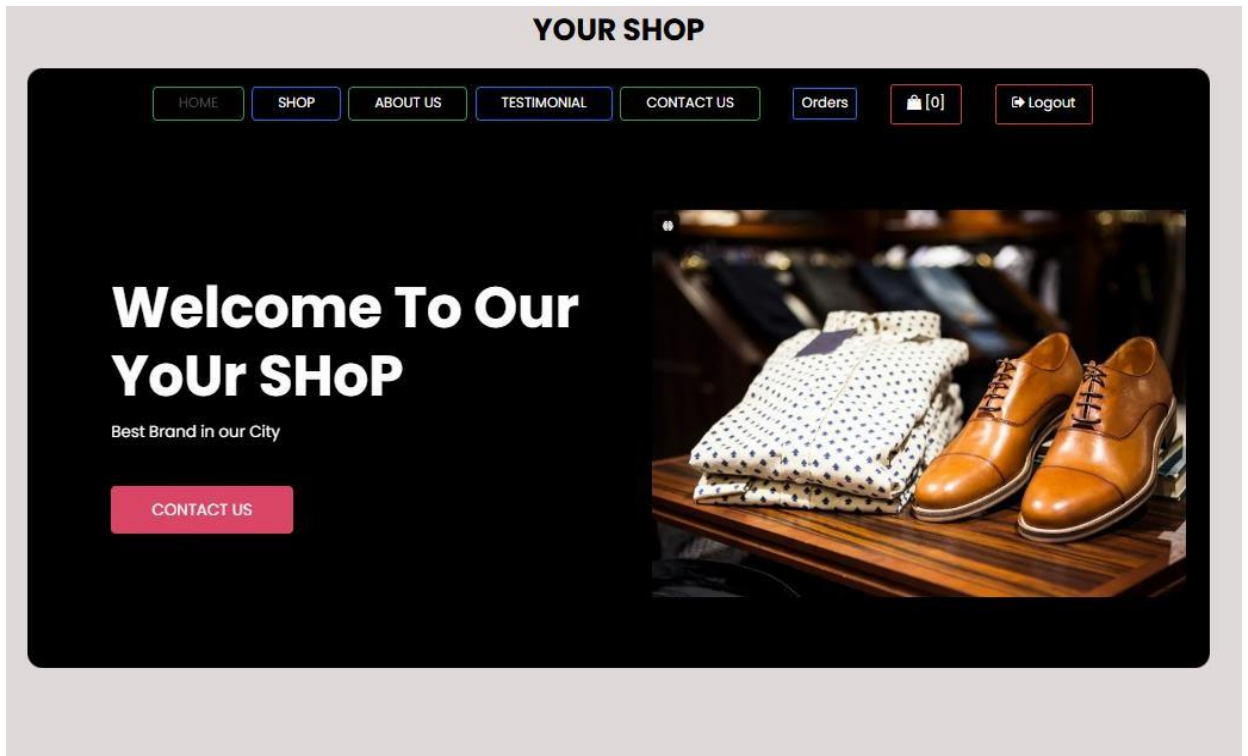



Figure 5.2.4: Login Dashboard for User

YOUR SHOP

[HOME](#)
[SHOP](#)
[ABOUT US](#)
[TESTIMONIAL](#)
[CONTACT US](#)
[Orders](#)
[🛒 \[0\]](#)
[Logout](#)


LATEST PRODUCTS



Men Sneaker Price\$11111

[Details](#)


[Add to Cart](#)



White Lacoste Price\$9000

[Details](#)


[Add to Cart](#)



Lacoste Sneakers Price\$11111

[Details](#)


[Add to Cart](#)





Moyeen Price\$2222

[Details](#)

[Add to Cart](#)











Figure 5.2.5: Shop

LATEST PRODUCTS



Men Sneaker

Category: Sneakers

Price: \$11111

Available Quantity: 1

Figure 5.2.5: After Clicking Details

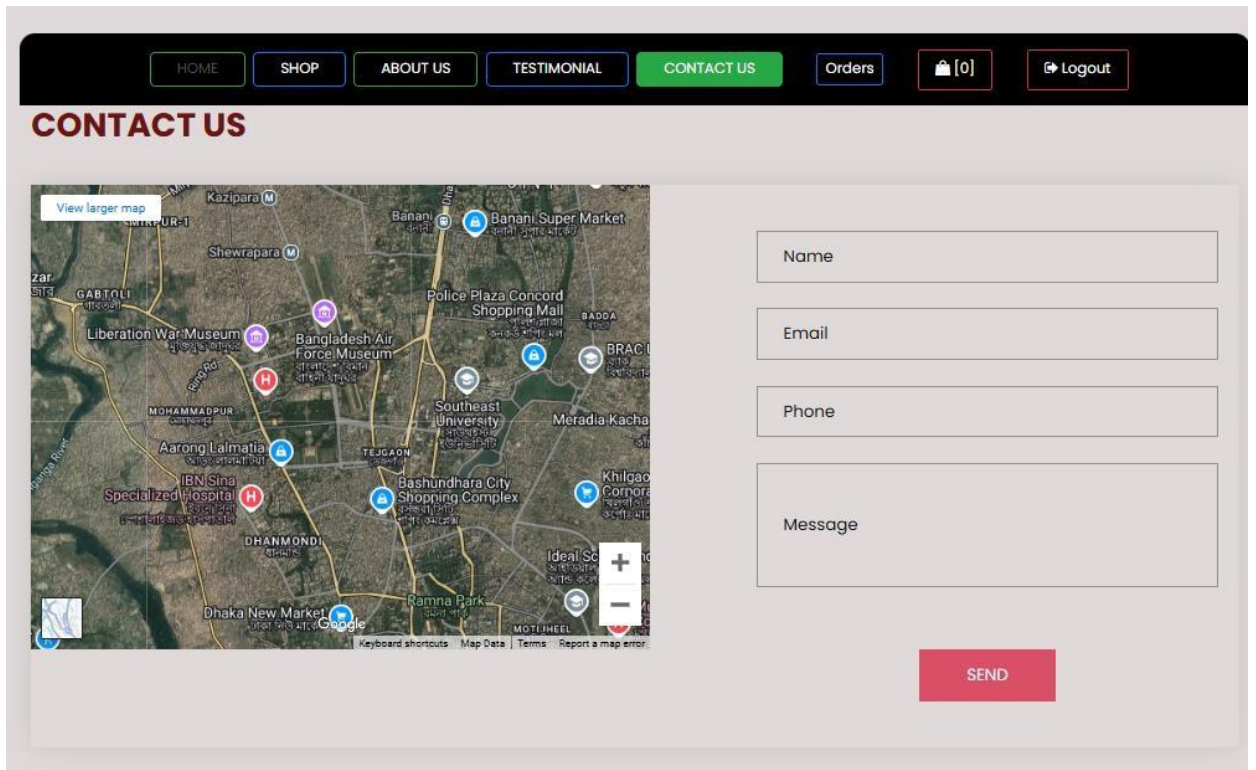





Figure 5.2.6: Contact Us

Product name	Price	Delivery Status	Image
Men Sneaker	11111	Delivered	
Lacoste Sneakers	11111	Delivered	
Men Sneaker	11111	Delivered	
Lacoste Sneakers	11111	Delivered	

Figure 5.2.7: Orders

HOME SHOP ABOUT US TESTIMONIAL CONTACT US Orders [3] Logout

Product Title	Price	Image	Remove
Men Sneaker	11111		Remove
White Lacoste	9000		Remove
Lacoste Sneakers 1.1	5050		Remove

Receiver Name: user

Receiver Address: Dhaka

Receiver Phone: 0199999999

Cash On Deliver Pay using Card

Total Value of Cart is: \$25161

Figure 5.2.8: Cart

Login as Admin

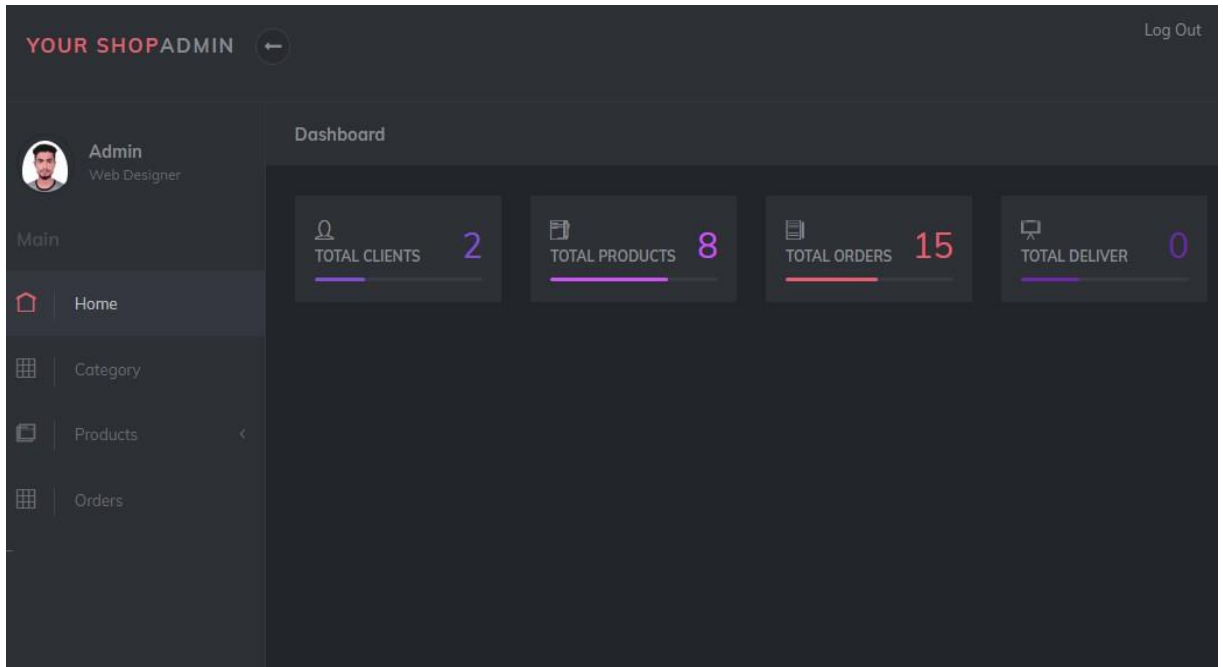


Figure 5.2.9: Admin Dashboard

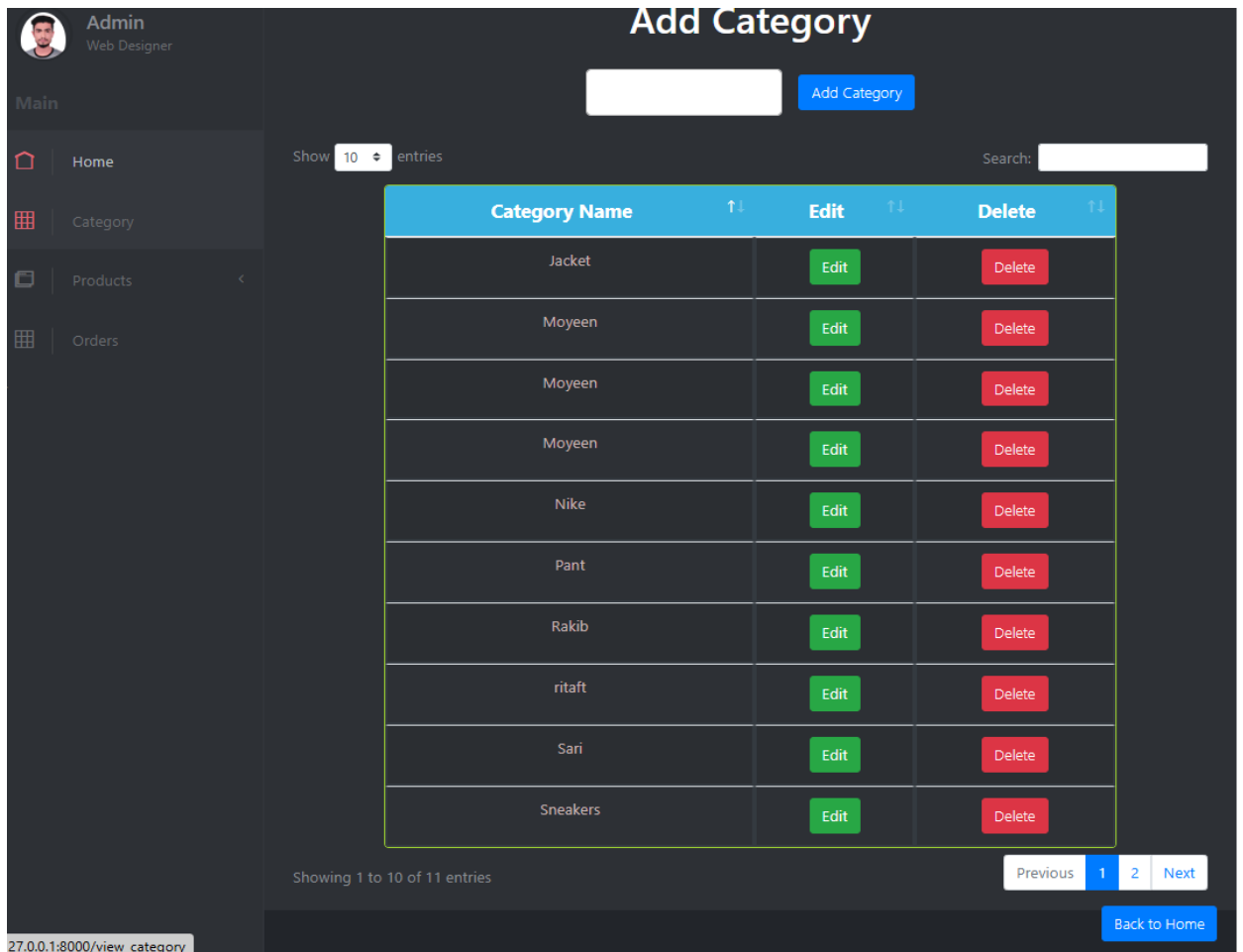


Figure 5.2.10: Category

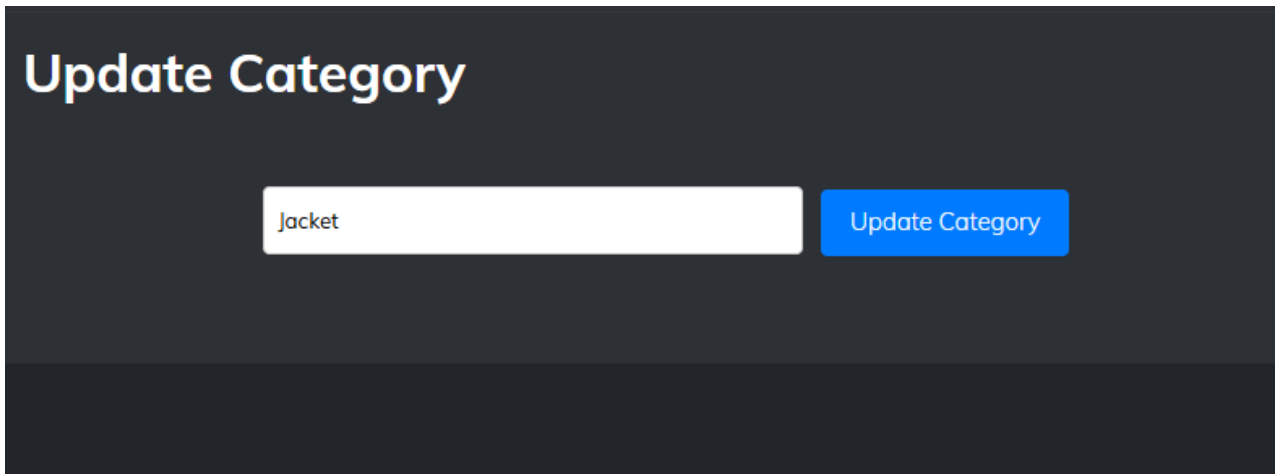


Figure 5.2.11: Category Edit & Update.

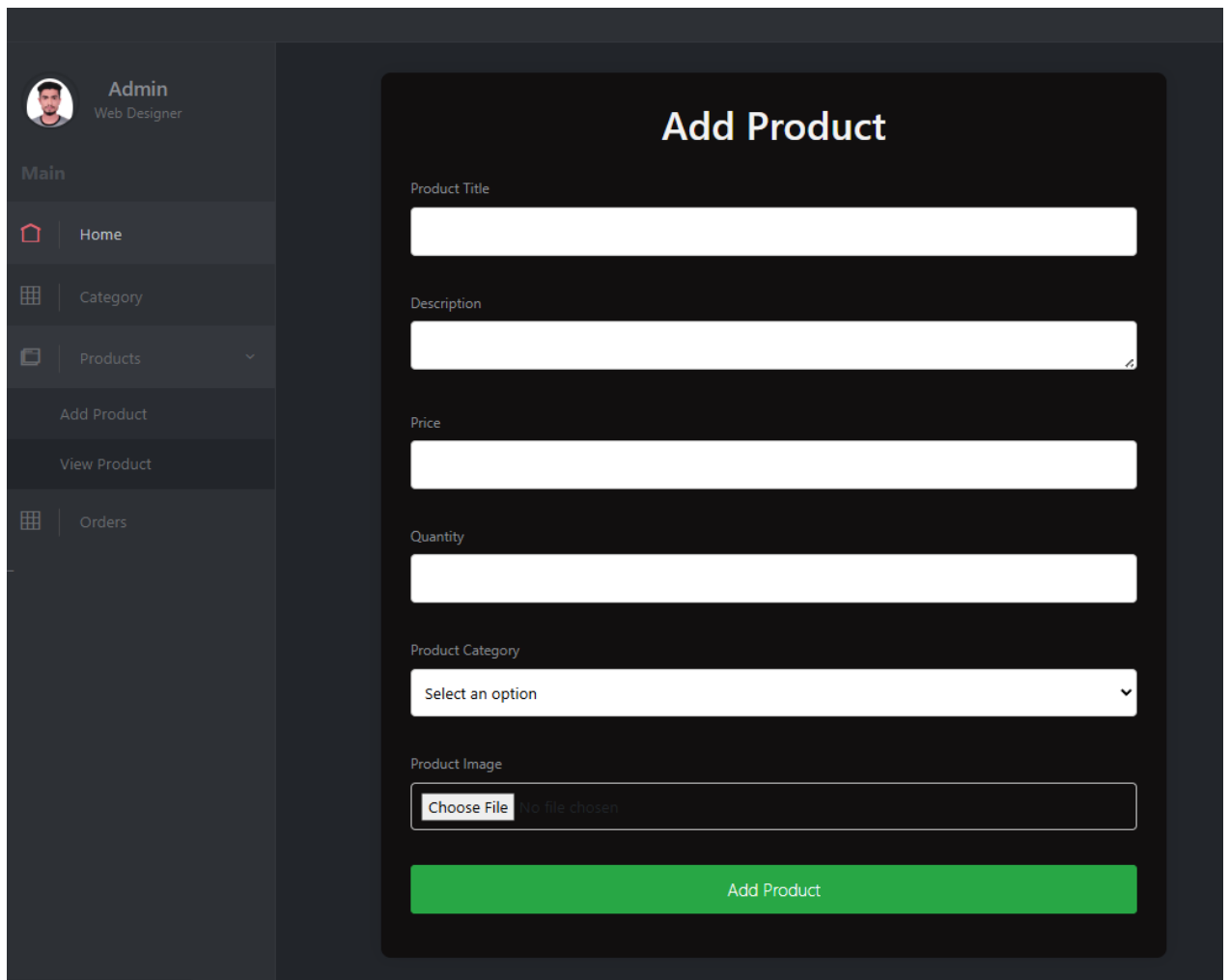






Figure 5.2.12: Add Product

Search

Product Title	Description	Category	Price	Quantity	Image	Edit	Delete
Men Sneaker	depp	Sneakers	11111	1		Edit	Delete
White Lacoste	Top	ritaft	9000	1		Edit	Delete
Lacoste Sneakers	top	Sneakers	11111	1		Edit	Delete
Moyeen	fvfrvrvfr v v	Moyeen	2222	334		Edit	Delete

<
1
2
>

Figure 5.2.13: View Product

Update Product


Title

Description

Price

Quantity

Category

Current Image 

New Image No file chosen

Figure 5.2.14: Edit & Update Product






Customer Name	Address	Phone	Product Title	Price	Image	Status	Change Status	Print PDF
Moyeen kazi	dhaka	01602385010	Men Sneaker	11111		Delivered	On the Way Delivered	Print PDF
Moyeen kazi	dhaka	01602385010	White Lacoste	9000		Delivered	On the Way Delivered	Print PDF
Moyeen kazi	dhaka	01602385010	Lacoste Sneakers	11111		in progress	On the Way Delivered	Print PDF
user	Dhaka	0199999999	Men Sneaker	11111		Delivered	On the Way Delivered	Print PDF
user	Dhaka	0199999999	Lacoste Sneakers	11111		Delivered	On the Way Delivered	Print PDF

Figure 5.2.15: Order

5.3 Summary

The easy and simple way to use all the features of YOUR SHOP e-commerce project consists of a complete user manual. I made sure the platform had a friendly user interface to enhance user experience for both customers and administrators, by using a clean and simple design. Customers have a one-stop solution to explore items, add products to the cart, buy items, and make safe payments through gateways like bKash, and Nagad. I streamlined the shop management for administrators. They have access to add or manage product categories, manage and track inventory, as well as orders, and get alerts for low stock and expired products. It also has a POS that enables barcode scanning, VAT-compliant receipts, and different ways to pay in-store. The overall design is simple yet very effective, and the platform functions seamlessly on any device. YOUR SHOP software helps you run a combined online and in-store business seamless so that your customers have a hassle-free shopping experience.

Chapter 6 Project Summary

6.1 Introduction

YOUR SHOP e-commerce application is user-friendly for both customers and administrators. Users can now easily examine products, add to cart, place orders, and delete items if necessary. They can reach the admin at any time for support, even ethics help, and the secured payment ensures no problems arise. It also comes with an easy-to-use and powerful admin panel for the administrators. Admin can create, edit categories, manage products by adding or editing them, view and manage customer orders, Successfully process orders. Moreover, the system assist to print payment receipt to support for both user and admin to work in a smooth manner. YOUR SHOP is simple but perfect shopping and management tool.

6.2 Project Limitation

For my e-commerce platform called YOUR SHOP, it had some restrictions. I was not applying advanced features as recommendations or multi currencies support because I had limited time. Lack of budget also meant I couldn't include any premium tools or APIs that might have improved analytics or given more payment options. From a tech perspective, the platform works well on modern devices, though it may not be as smooth while using older devices or slow connections. Features such as multi-language support and advanced accessibility are not yet added, security is already well taken care of, but twofactor authentication and advanced features can still be added. These are things I want to do better going forward

6.3 Scope

The project encompasses essential features of my e-commerce platform "YOUR SHOP" to facilitate a smooth shopping experience for users and an effective management system for admins. This platform contains features such as user registration, product browsing, adding items to the cart, placement of orders, and secure payment options. Admin features has the ability to add and manage product categories, add or update products, view and manage customer orders, and generate payment receipts. In contrast, this project does not have advanced features like AI-based product recommendations, multi-currency support, or a fully customizable user dashboard. The system also lacks multi-language support, and some accessibility features haven't been implemented. Other features in development include real-time fraud detection or two-factor authentication for additional security. This project provides core e-commerce functionalities with ease and aims to increase its functionalities in the future.

6.4 Future Work

Future Development Ideas for my "YOUR SHOP" e-commerce System
There are some improvements, and new areas that can lead my "YOUR SHOP" e-commerce system. There has been significantly more downside for the platform than there has been upside, one of the biggest areas where there is room for improvement in the payment processing gateway. I will also implement more payment methods, like digital wallets, cryptocurrency payment, and multiple currencies to facilitate more customers worldwide. This would also mean quicker transaction processing and higher security protocols, to further augment consumer confidence and satisfaction. Design is another thing you should work on. Additionally, the platform's UI could be updated further to be more modern and responsive, allowing it to fit seamlessly across a wider range of devices and screen sizes. I am going to make navigation more accessible, with an easier layout, better calls to action, and more accessibility features. Also, I plan to upgrade the platform to the latest Laravel version 11 to use new features, improvements, and security patches. The new release would enhance performance and offer a better set of development and maintenance tools. Regard new aspects that can suggest products to the customers based on their browsing history and preferences. I would additionally include customer reviews and rating systems for products, to enable more informed purchase decisions by users. Lastly, as a more technical admin feature, I would explore implementing advanced order management capabilities, such as live-shipping tracking and automatic customer updates. Additionally, I am interested in AI-generated analytical tools that give statistical data to explain sales trends, show stock in trade, how customers behave, etc. All these improvements and features will streamline the overall user experience, as well as operational improvement of the YOUR SHOP platform in preparation for its continued growth and demand.

6.5 Conclusion

YOUR SHOP e-commerce allows you to run an e-commerce website that is intuitive and easy to use for both customers and administration. It provides users to easily explore products, place orders, add from cart, and payment securely. The platform has an intuitive admin panel that allows administrators to manage product categories, add or update products, track orders, and manage customer interactions, among other tasks. Resulting in convenience for the users to shop as the system ensures secure transactions with multiple payment options. Manage your store from the admin panel, with inventory, order management, and reports. In summary, YOUR SHOP e-commerce is a solid and comprehensive platform with an intuitive shopping experience and essential tools for store management.

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