Design and Development of Ecommerce Site Desi Glow

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This report represents us a partial fulfillment of the requirements for a Bachelor of Science in Software Engineering program.

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APPROVAL

This thesis titled on **"Fashion & Life Style Market Place – Desi Glow"**, submitted by **Md. Ashif Mahmud (ID:182-35-366)** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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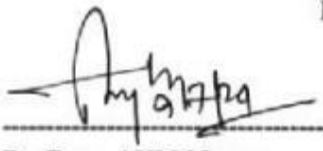

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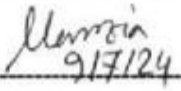

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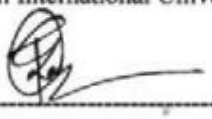

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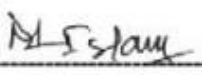

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DECLARATION

I hereby declare that I have done this project under the supervision of Mr.Md.Rajib Mia

Senior Lecturer, Department of Software Engineering, Daffodil International University. I also declare that this project is my original work for the degree of B.Sc. in Software Engineering and that neither the whole work nor any part has been submitted for another degree in this or any other university.

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Thank you.

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Abstract

The results of a practicum defense that concentrated on project execution and real-world fieldwork are presented in this report. Gaining practical experience and accurately and formally documenting the project were the key goals. Gaining knowledge about the functioning of the suggested system was the secondary goal.

The project included creating an online store with the goal of making things more convenient for both buyers and merchants. The system makes it simple for customers to buy goods and gives them the ability to cancel orders. The administration panel makes it easy to manage, adding new items and giving people administrator capabilities.

When the Full Stack is used for implementation, the system provides a seamless and effective user experience. Strict security protocols are in place, protecting against malevolent intent by guaranteeing restricted dashboard access with JWT token authentication. Hashing techniques safeguard sensitive data in the database, greatly lowering the possibility of hacking attempts.

Overall, this project effectively demonstrates practical project execution and a comprehension of system functionality, meeting the goals of the practicum defense.

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CHAPTER 1

INTRODUCTION

Businesses are beginning to establish themselves on the internet due to the fact that e-commerce has continued to show great potential for the business. This has made people shift to make online purchases as this is convenient and easily accessible. I am honored to show you “DESI GLOW” an elegant and powerful, yet entirely secured program of e-commerce online.

The confluence of independently developed complete platforms for customers and merchants is what makes DESI GLOW possible. Clients can purchase and sell their inventories through mere button clicks making it easier for business wizards to master client management, merchandise, and sales. The system also provides a way to track orders and this aspect of the process makes it easier for the user to cancel orders when necessary.

Some of the most important features of DESI GLOW are security, and the store provides safe conditions for purchase for its clients. By giving assurance to their customers that their financial information and their personal information will remain secure, users can feel free to shop while they can check their transaction history and search for the products they want to purchase.

DESI GLOW makes customers get access to many products and assists vendors to effectively and successfully advertise their products. A reliable and convenient are two virtues that can be attributed to this method of shopping.

1.1 Motivation of Work

Since there is a lot of convenience in online shopping it has become popular but on the other hand, it has also attracted those are mean are only interested in conning shoppers. It has made the customers more susceptible to con artists, forgery, identity theft, hacking, phishing, credit card scams, and other related tricks.

To address these concerns, online retail industry has developed measures to protect customers against fraudster and enhance security of the users. They are aimed at offering online buyers a reliable, secure, and convenient purchasing environment.

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Encryption is one of the key methods utilized in the protection of the internet. This means that when shops are going online, it is hard for hackers to gain unlawful access as well as exploit other significant data such as financial and personal data by encrypting them.

Most popular e-commerce websites engage in buying modern security measures which can help detect and prevent such fraud. Such systems are designed to monitor user activities, detect suspicious patterns, and prevent unauthorized attempts to intrude into computer networks with the help of complex mathematical models.

Moreover, channels' identification, such as two-factor identification, is often applied to verify the users' identity and ensure that personal information is protected from unauthorized access.

The general idea of implementing these security measures is to provide customers with positive experience in shopping online, so they could be sure that they would not become victims of fraudsters or other malicious individuals who aim to steal people's money and personal information.

1.2 Project Overview

DESI GLOW is a simple and safe online shop in which everybody can buy any products or sell own things and goods easily and safely. This accounts for the ease in which customers can navigate through products and even check transaction history with the use of few clicks.

Basically, there is no intrusion of external entities in the site while the security of data owned by users is well enhanced. Sufficient layers of security are provided to ensure that the financial data, as well as the individual details, do not get disclosed to anyone who should not access them in the first place.

Existing in the market, DESI GLOW provides its consumers with a wide range of products that they may find appropriate and appealing, and make necessary purchases with no difficulty. Customers are able to specify certain products they want and shop conveniently, by going to a payment terminal, in what can be deemed as an easy check-out process.

Furthermore, it should be noted that the company established under the name of DESI GLOW has kept the history of the transactions it carries out with its clients. This feature of tracking customers' orders coupled with the capability of locating previous orders and accessing other data such as shipping and receipt information simplifies the tract of orders by the customers.

DESI GLOW trying to enhance the online shopping experience by creating awareness among the buyers and sellers so that they can have trust in the DESI GLOW's environment which is safe and simple.

1.3 Project Purpose

I have designed a safe online shopping program with the focus on the kind of program that is designed to save the users time and also provide them with a safety parameter accompanied by a joyful shopping. There are two types of accounts in the application: A subsite will be dedicated to the administration and a subsite for the customer. This is because each has a distinct role.

Generally, clients who have a working Gmail address and a strong-password must register for the account. Once they have signed up, the users can log in to an individual's interface that contains categorized and stocked ads where the latter can be bought. Some ways in which the value is positioned are as follows: Customer information being protected and account details safeguarded through the registration process.

The option of editing their orders directly from a customer's account is also valued. Customers simply have the ability to edit contents or make changes more on the products before proceeding with the actual order. This makes purchasing less cumbersome and in effect improves on the degree of individualization involved.

Can logged-in admin account be deleted from the admin side we have registered a admin account? This account requires full authority and control over the entire E-commerce platform and provides managerial access. From the administrator's perspective, the author is able to monitor the users' activities, control the availability of products, answer to the users' questions, and make sure the online application is correctly functioning.

My secure E-commerce web program aims at making the process of purchase as simple as possible, the security of the system the top priority, and for the administrators and the consumer, the experience to be efficient and as enjoyable as possible while offering the complete package.

1.3.1 Background

To create a user-friendly e-commerce system, prioritize the following:

1. Intuitive Interface: Design a clean and basic layout which will help the user to navigate easily.
2. Secure Authentication: Effective measures should be employing which can help in the proper authentication of users.
3. Personalized Profiles: This way users stay informed and organized regarding orders.
4. Efficient Search and Filtering: Enable the customers to make focused accurate and efficient search for products.
5. Secure Payment Gateways: Ensure that the payment models are sure and safe to transact with.
6. Ratings and Reviews: There have to be a section where people can give more of their opinions.
7. Responsive Design: There are two things to consider when designing the main page, firstly, it has to be optimized for different kinds of devices through the use of responsive design.
8. Effective Customer Support: Provide reliable means of support is another recommendation.

1.3.2 Benefits and Beneficiaries

This system is beneficial for frequent online shoppers as it offers:

1. Customer Interaction: Enhances social interaction between buyers and sellers since it creates a market where they can convene and interact.
2. Price Awareness: Help consumers in make profitable decisions by providing them with data and price information before buying a product.

3. Client Loyalty: Hybrid utilizes unique parlance features for example the tailored suggestion and special incentive to enhance on the loyalty of the clients.
4. Fraud Prevention: Great measures to ensure customer's security in preventing any form of fraudulent activities when buying online.
5. Safe and Easy buying: This makes buying experience less risky and easier using technology to enable them reduce the steps required to make a purchase.

In other words, by playing an important role in providing communication between buyer and seller, disclosing the prices, protecting from frauds, and stressing on safety and simplicity of buying, this system aims at enhancing customers' satisfaction.

1.3.3 Goals

DESI GLOW is dedicated to making sure that online transactions are safe. The platform has safeguards in place to protect anyone who engage in online purchases and sales of products and services. By putting in place crucial E-commerce security measures, DESI GLOW hopes to gain clients' trust and offer a secure online shopping experience.

1.4 Stakeholders

The stakeholders of this system include:

1. Admin (Seller): The first role of the admin is in the management of the e-commerce system and supervising their functions. Specifically, the writers of the books will act as sellers on the platform to hold the sellers on the platform accountable. They are the ones responsible for responding to their clients' concerns, monitoring their inventories, listing the products, and ensuring that the selling procedure functions efficiently.
2. Customers: Customers are one of the most important stakeholder groups since they are the people who drive the success of the e-commerce platform and generate actual sales. They are the consumers who read, view, sample and patronize the products or services that the vendors bring to the market. However, it is essential to emphasize that the client's needs

should be the top priority and focus on ensuring that the website and application are as user-friendly as possible, providing safe payment methods, and an efficient approach to customer service.

Thus, customers and the admin or the seller, in this case are key participants in the process of construction and evolution of the system. Consequently, it is important to address their wants and ensure that the system formulated by the agency addresses their expectations.

1.4.1 Development Model:

The about to be described "DESI GLOW" project refers to a secure e-commerce web application that was developed with the help of Iterative Enhancement Model that was chosen to eliminate the shortcomings of the conventional Waterfall Model. This type of paradigm is effective particularly in case of a project that has individual parts that are not interdependent with each other.

Two models stand out among the incremental process models: There are two models that can be categorized below, namely the Rapid Application Model and the Iterative Enhancement Model. The only difference between the two is that one is called the waterfall model while the other is referred to as the iterative enhancement model; the second one allows for more than a single round of designing. First and foremost, each end with the delivery of a product, and the experience from the previous cycle is incorporated and improves subsequent cycle.

This is an iterative approach that enables the process of continuous improvement of and refining as well as the development process. They allow for evaluation and improvement due to user experience and shifts in needs and behavior. They ensure that the final product is highly functional offering evaluation feedback when products are released in every cycle to ensure the final outcome meets their expectations.

Taking all into consideration, the evaluated model of "DESI GLOW" project as the Iterative Enhancement Model is beneficial because it presents an opportunity to work in iteration cycles,

draw lessons from the previous cycles, and enhance the final product, which in this case is a more effective and comprehensible e-commerce web application.

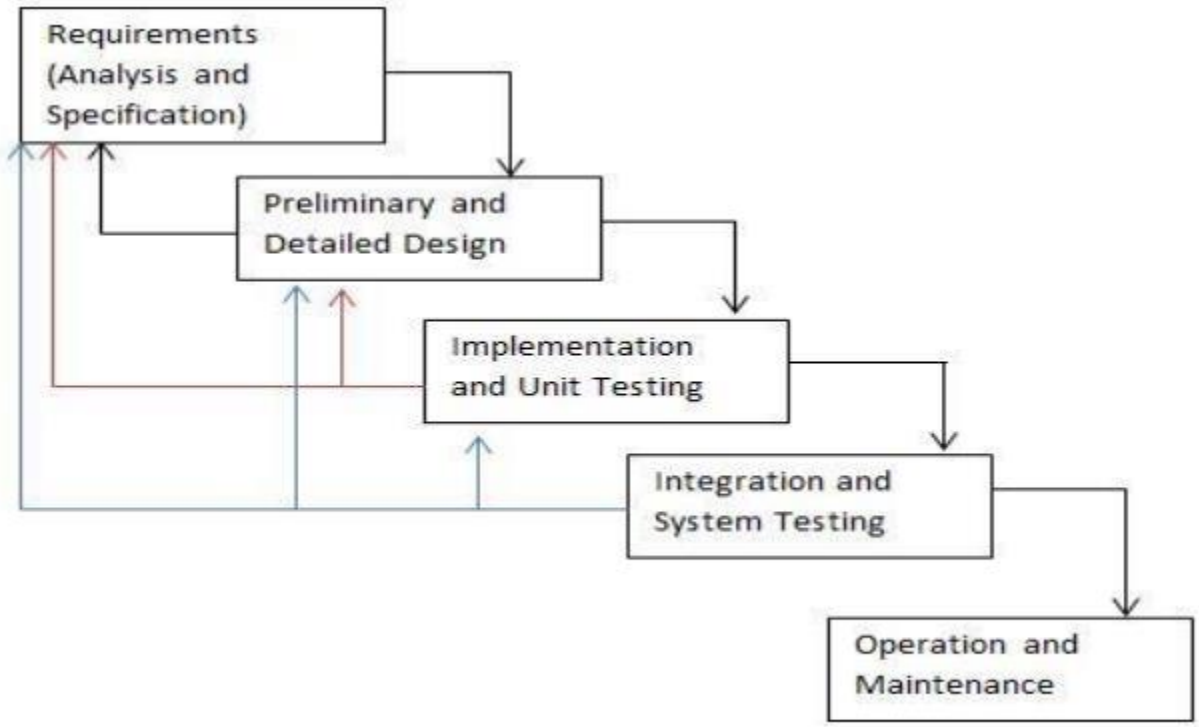


Figure: 1.41 waterfall Model

1.5 Project Schedule

To make a timetable that will allow the project to be finished quickly and on schedule:To make a timetable that will allow the project to be finished quickly and on schedule:

1. Specifically specify the things to deliver on the project.

2. Make a comprehensive breakdown of the task into several sub tasks that can be accomplished more easily.

3. Bulk the tasks by dependency and their criticality before distilling the priorities.

4. Estimate the plausible task time according to the availability and the complexity of the resources needed.

5. Distribute resources wisely.

6. It is also important to organize the steps by order and time necessary for each of the steps as you can use a timeline or Gantt chart.

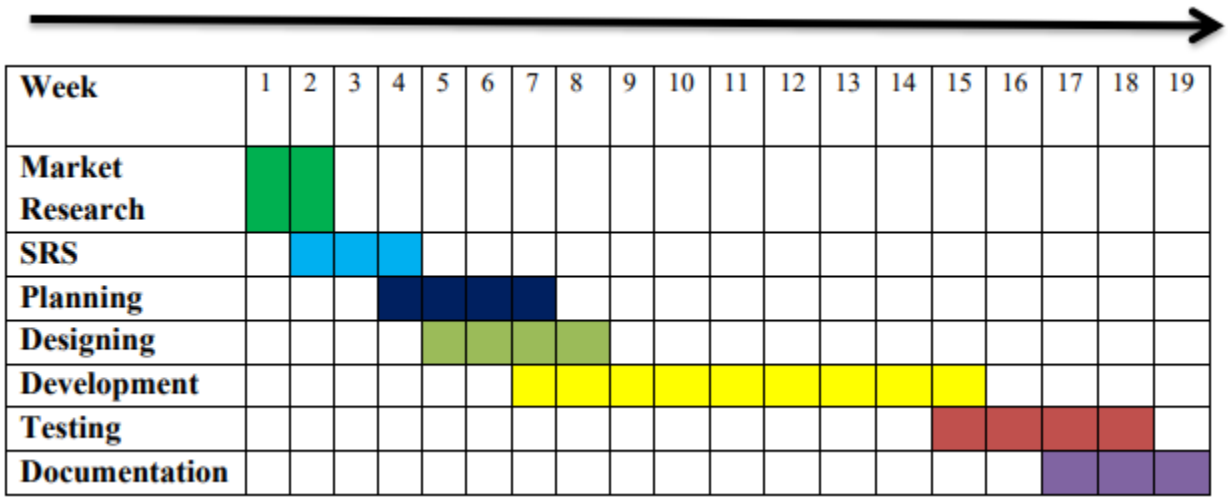
7. Set realistic goals based on the coefficients for dependencies and constraints.

8. It is important to explain the timetable plan to everyone, this will involve explaining the time table plan and agreeing on what it entails.

9. To monitor extent to which the project activities/plan is on track or not and take action where necessary.

10. To ensure that stakeholders are informed, the parties should report on the project progress at least, on weekly basis.

1.5.1 Gant Chart



1.5.2 Release Plan and Milestone

The release plan and milestones are given below:

Activities	Duration in week	Total week
Market Research	W1,W2	2
SRS	W2,W3,W4	3
Planning	W4,W5,W6,W7	4
Designing	W5,W6,W7,W8	4
Development	W7,W8,W9,W10,W11, W12,W13,W14,W15	9
Testing	W15,W16,W17	3
Documentation	W17,W18,W19	3

CHAPTER 2

SOFTWARE REQUIREMENT SPECIFICATION

2.0 Requirement engineering:

A specialized field of engineering referred to as requirement engineering is aimed at identifying and documenting system and user requirements applicable to the process of software development. This involves an estimation of the users' needs of a system and how best these needs can be met through system design principles. Requirement engineering is intimately related to software engineering also which focuses its attention on the effective development of the program that should meet the requirement or needs of the users.

User needs fall into various groups in requirement engineering: User needs fall into various groups in requirement engineering:

1. System requirements: The general need that affects this software system includes: They confine the characteristics and the extent of the system They define it in terms of the restrictions and components of the system.
2. Here the functional requirements address in detail the specific characteristics and capabilities in the software system. They describe activities that the system is designed to perform and what kind of response to specific inputs and events it should show.
3. Non-Functional Requirements: These indicate the DFPS attributes necessary in the software system which include dependability, performance, maintainability and usability. Non-functional criteria focus on imprecise qualities of the system.
4. Security Requirements: These are specifications that focus its concern to the security aspect of the software system. As such, they provide a general description of the measures that need to be taken to ensure the privacy, availability and, importantly, the integrity of the system and the data it contains.

Requirement engineering helps to define the scope of what is required in the design and development of a software system that will meet the intended goal and expectations of the users by categorizing and documenting the needs and wants of the users.

2.0.1 System Requirements:

The functionalities in the "DESI GLOW" platform are as follows:

Admin:

1. Admin Login:

- To get to the dashboard, the administrator is required to enter one's username and password.
- After pressing the login button, the entry provided by the user is compared to the stored credentials.
- If the person entering the username and password is genuine, they are redirected to the dashboard.
- A mistake message such as 'invalid username or password' shows up in case of a fault in log in process.

2. Manage Products:

The following is the list of activities that can be performed by using admin in relation to particular product:

- Additional feature mainly known as 'Add product' button enables the admin to add new products.
- The admin is still able to add a product by filling all the necessary fields as shown in the figure below.

- In more detail, the administrator can modify and edit such information on the currently extant products.
- Products here may be deleted by the admin.

In this case, admin has the right to access and view all the products rooted in the program.

3. Manage Product Categories:

- About product categories, the administrator is powerful to control them.
- The administrator role allows a user to contribute in creating new categories, modifying and even deleting them.
- Filtering an array of products and their subsequent classification can be done with the help of categories.

4. Manage Orders:

- The order detail such as order no, name, phone number, address and email of the customer is shown to the admin.
- This also shows the status of the order placed and more information to the admin concerned.
- The administrator can change the order status and move it to the 'Completed' state or make some changes.

5. Update Product Details:

- The main page is based on the admin's access to the product list available for editing.
- Some of the options that comprise the web-based interface are sponsored links, product details and specifications, payment gateway, edit button, classifieds, vacancies, and contacts.

- When the admin adjusts the necessary data, he can, in turn, click on the update button in order to save the new data.

Customers:

1. Customer Login:

- Buying and selling are done through an account, and customers can log in to access the account.
- Clients enter their password and email address as an entry.
- When the user clicks the login button, the system works through the given coordinates checking entrance credentials.
- If the entered details are found to be genuine then the onus is led down to home page.
- Background in Academics If there's a problem with the login procedure, an error message shows.

2. View Products:

- Customer here focuses on viewing and observing the products that are displayed on the home/products page.
- For instance, they can opt to use a filter to follow a given product or put in keywords to search for a specific product.

3. Find Category-wise Products:

- To make their work easier, there is always a way that allows the customers to search for the products from a certain category.
- When the client clicks on a specific category button, he or she can view a list of other possible categories.

- Another prominent feature of shop is that the customers can look through the particularly chosen category.

4. View Product Details:

- This is an indication that through links such as the details link, one is able to get detailed information surrounding a certain product being marketed by a specific seller.
- This is based on costs, characteristics and descriptions of the product and photo galleries.

5. Add Items to Cart:

- There is a feature such that consumers are able to select items to buy by placing it in the shopping basket.
- The checkout process is initiated by the 'Checkout' button located at the bottom of the shopping cart list, while the product is added to the cart through the 'Add to cart' button in the information about the product page.

6. Update Cart Items:

- Consumers also gain a measure of control over what item is listed in their cart.
- They have all the features including the product list where they can view the available products, the cart space is where customers can find the products they want to purchase and also the editing area where changes can be made before proceeding to check out.
- For instance, customers are able to delete products they do not want from the products they have added to their carts by clicking on a delete button.
- They also have buttons that allow them to add or remove objects when they will press the correct buttons.

7. View Entire Cart:

- Today's consumers can review any item that is currently included in their cart.

- By the help of this, they are able to check the originality of the products they have chosen and the whole price.

8. See Total Price:

- Consumers are clearly able to view the full price of anything they wish to purchase and put in their basket or cart.
- It also makes it possible for the clients to keep track of how much they are spending before paying at the end.

9. Place Orders:

- This way, users can select products for purchase, place them in their shopping carts and proceed to check out once they are done.
- It is their responsibility to feed the necessary information, particularly the shipment address and means of payment.
- Upon satisfaction of this information.

2.0.2 Functional Requirements

1. User Authentication:

- Upon any creation of accounts, a user should be required to confirm the email address and usernames.

- This ensures users' login information are authentic and associated with the correct user profile.

2. Product Details:

- The option to examine product details is an essential for users.
- Details like product descriptions, specs, pictures, and costs are included in this.

3. Shopping Cart Management:

- It should be possible for users to add products to their shopping carts.
- If they so choose, they ought to be able to take things out of their carts.
- Before checking out, users can manage the products they have chosen thanks to this feature.

4. Product Management by Admin:

- The admin ought to be able to add, modify, and remove items from the system.
- This enables the administrator to maintain an accurate product inventory.

5. Brand and Category Management by Admin:

- It should be possible for the administrator to add, edit, and remove brands, categories, and other relevant elements.
- This feature helps the administrator to efficiently arrange products and give users a well-organized browsing experience.

6. Place Order:

- It should be possible for users to order certain products.
- This involves entering the required data, like the shipping address and payment information.

7. Order Status Management:

- It should be possible to get information on the status of orders' and storing them in the system.
- This allows offering frequent updates on their orders as well as the general admin panel to users.

Functional Requirements Modules:

1. Login Module:

- The login module is charged with the role of ensuring that users log on to the system in a securely and in a proper manner.
- It will come with certain characteristics such a validation of both the password and the username.

2. Registration Module:

- This module is mainly responsible for managing the process of the user registration.
- During the registration it collects necessary data and also confirms users' details.

3. Service Module:

- This module is responsible for handling certain tasks in the system, falling under the service category.
- Such functionality might include customer support for the order, tracking of the order, and order placement.

4. Requester Module:

- This module compiles records and specifics regarding the user, or the one who demands something from the system.
- It might contain aspects regarding the users, inclinations, and identities.

5. Provider Module:

- This module is in charge of general details and data pertaining more to the provider or the admin account.
- Some of its nudges include; Order status management, brand and category management, and product management.

The below functional specifications and modules ensure that the “DESI GLOW” works appropriately and meets the expectations of the users, and thus users will have a delightful purchasing experience.

2.0.3 Non-functional Requirements:

Non-functional requirements encompass other aspects of the system and or environment apart from the functional requirements which are as follows; Some non-functional needs for the "DESI GLOW" system are as follows:

1. Secure Login and Different Privileges:

- The security measures that are fitting for the system are: The access of the system should be secured and a proper login process should be incorporation into the system.

- It is important that while using the system, the admin should be granted privileges to access information that the client is restricted from accessing.
- This will ensure that only an individual or organization with the right permissions is allowed to perform specific actions on some features.

2. Password Encryption:

- This would help to prevent unauthorized access to user accounts and personal information, and besides, the passwords used by users should be encrypted using reliable hashing algorithms.
- This offers an added advantage, especially in safety and security.

3. Password Retrieval:

- In specific, if a user forgets his password, the system should have a procedure that will allow him an opportunity to regain it.
- This can be achieved by for instance the password reset option, something which might make it request for your email or security questions.

4. Stock Validation:

- In order to ensure the availability of products order, the system has to engage in the process of stock validation.
- The system should be in a position to inform the user whether or not a certain product is in stock and update when a user moves an item to his/her cart or making an order.
- This, in turn, will increase the general consumer satisfaction and consequently reduce over sales and out-of-stock sales.

The non-functional requirements contribute to the general usability, security and dependability of the 'DESI GLOW' system as can be described as follows. They ensure that the system executes

its functions efficiently with speedy performance, for data of users is secured and that there are limits to accessing it.

2.0.4 Security Requirements

The following non-functional requirements are integrated in the "DESI GLOW" system to secure the system's safety, reliability and with usage convenience. Among them are:

1. Enabled Authentication (by JWT Token) and Validation:

- Activated validation and authentication (using a JWT token). JWT (JSON Web Tokens) are utilized to try to authenticate and validate the users inside the system.
- This makes it possible to ensure that only the permitted user can be able to access the system as well as the features that it consists of.

2. Secure Login Privilege for Admin and Customers:

- One aspect where the system is secured from different customers and from different admins is the assignment of unique login privileges.
- This enhances security and privacy by denying user access to some features, options, or data relative to their roles and responsibility levels.

3. E-mail Verification System (Authorization):

- The security measures mean that, in order to confirm the user accounts, the system implements an email validation process.
- Additional measures were taken for security and authenticity by requiring users to verify their email addresses.

4. Protection against Attack Vectors:

- This article also explained how the system protects itself from frequent attacks by employing the following security measures.
- This offers protection from attacks such as dictionary attack, brute force attack and the SQL injection attack.

5. Secure Database for Sensitive Information:

- There is an assurance that only authorized users are able to access the data on the secure and sensitive database.
- To achieve this, there is need to incorporate effective encryption of the user data as well as control of the access data.

6. Server-side Validation:

- To prevent incorrect information from being entered and subsequently processed in the system, the validation of user inputs occurs on the server side.
- This safeguards against structures or situations that might allow certain information leaks or sabotage, thereby ensuring data is protected from tampering.

7. Proper Routing:

The application level security and functionality achieved when navigating through the system is achieved through the suitability of routing mechanisms that include access control and proper handling of requests.

8. Payment Validation:

- This is due to the fact that the system has inclusion of payment validation to ensure that the financial transactions are secure and accurate.
- This could mean, for example, that it complies with best practices or implements features to work with safe payment processing.

9. Secure Passwords:

- In the system, there are several features provided, including salting hashing and dcrypt to enhance password protection.
- This reduces the risk of someone breaking into an account to steal the passwords that users use.

10. Compliance with PCI Standards:

- It would also be important to note that the system's design strictly follows the Payment Card Industry (PCI) compliance level.
- This ensures that the developed system fulfils the security requirements required in managing the credit card information.

The following non-functional requirements are as follows: These come in handy to give consumers the dependable and safe DE SIGLOW system that engulfs safe and pleasant online purchasing.

CHAPTER 3

System Analysis, Design& Specification

3.1 Flow Chart:

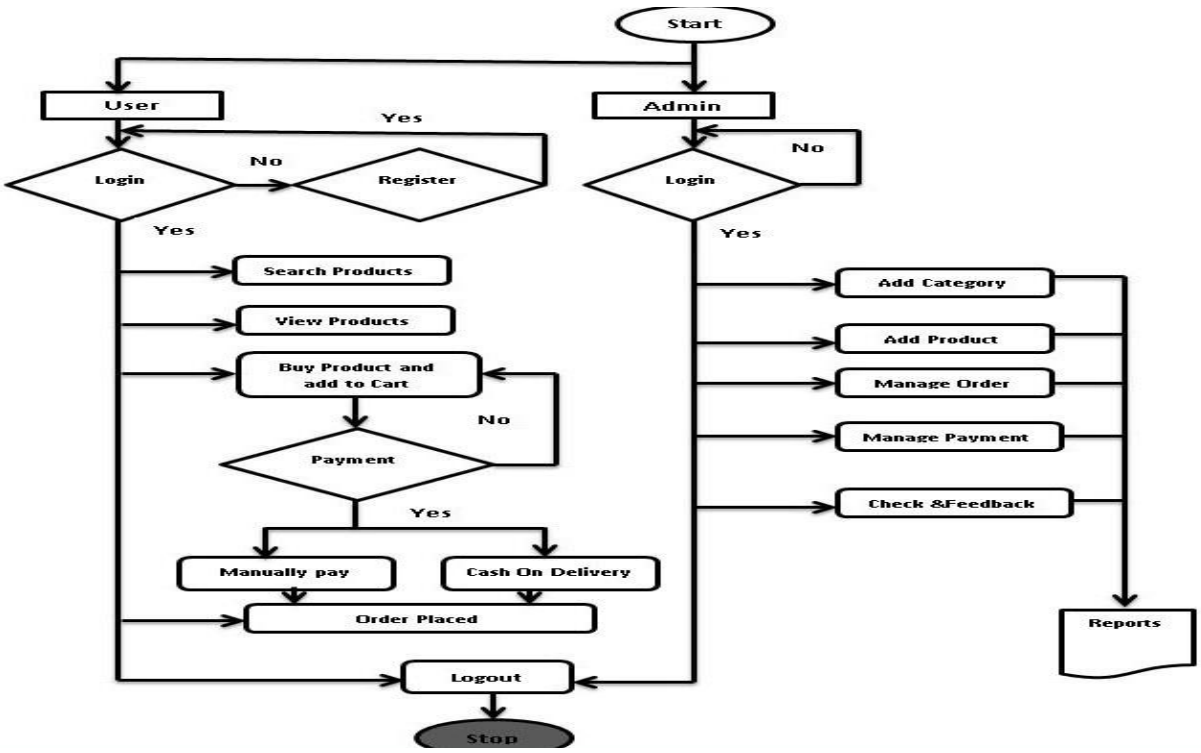


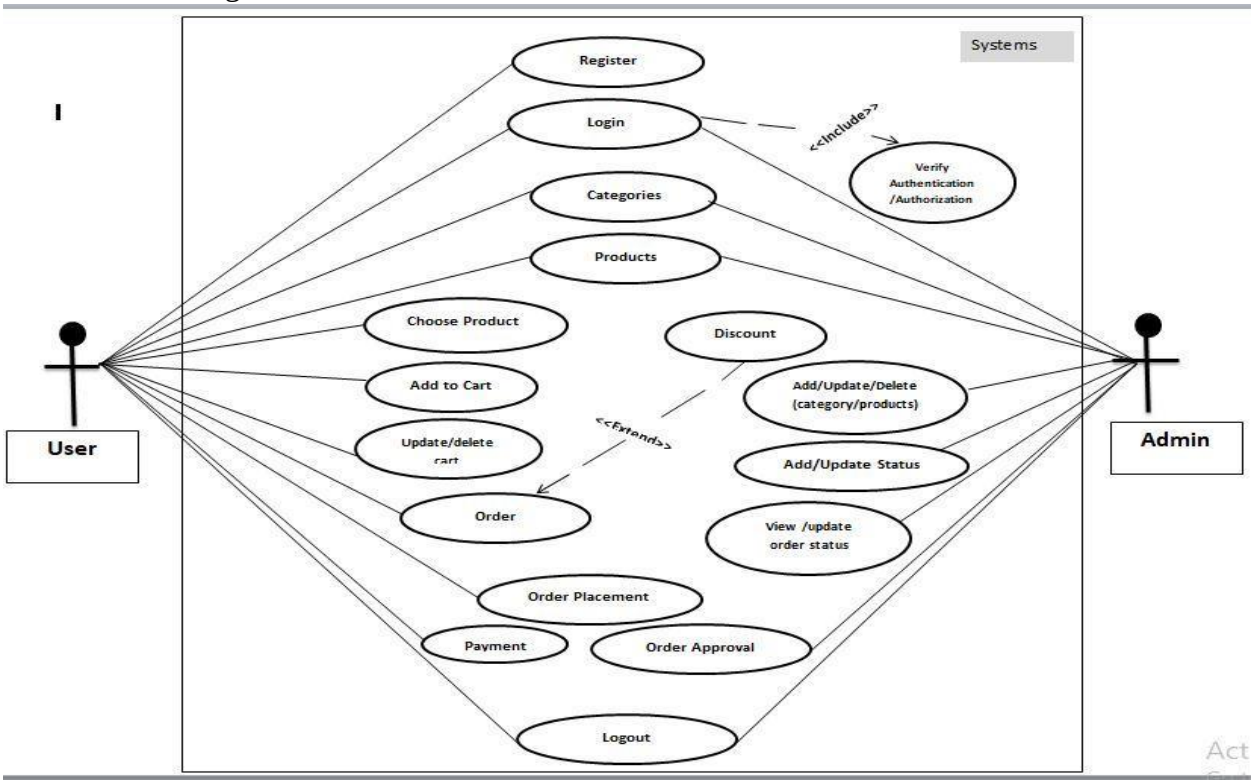
Figure 3.1 Flow chart diagram.

3.1.1 Flow chart Description:

The procedure of buying a product from an online store is shown in the flowchart you supplied me. A user logs in to begin it. The user can search for products, examine products, purchase products and add them to their carts, and manage their orders if they have registered. Additionally, they can control their payment details. The user has the option to register or check out as a guest if they are not yet registered. The user can check out after they've completed their shopping. The user has the option to pay manually or with cash on delivery at the time of checkout. The user's order will be placed once payment has been received. After that, the user can give input and see

how their order is progressing. The flowchart also demonstrates the admin's ability to create, modify, and oversee categories, products, orders, and report generation.

3.2 Use Case Diagram:

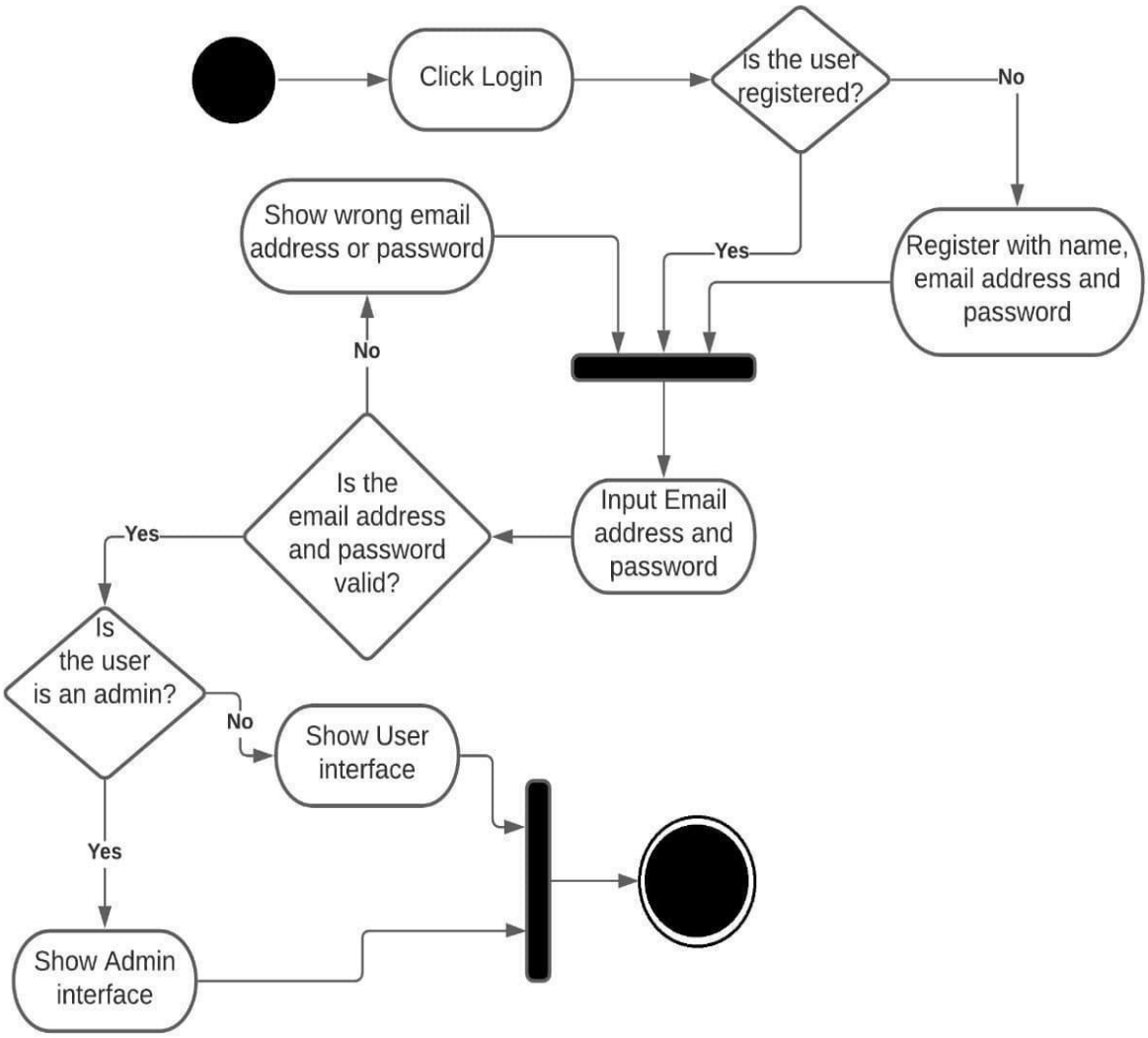


3.2.1 Use Case Description:

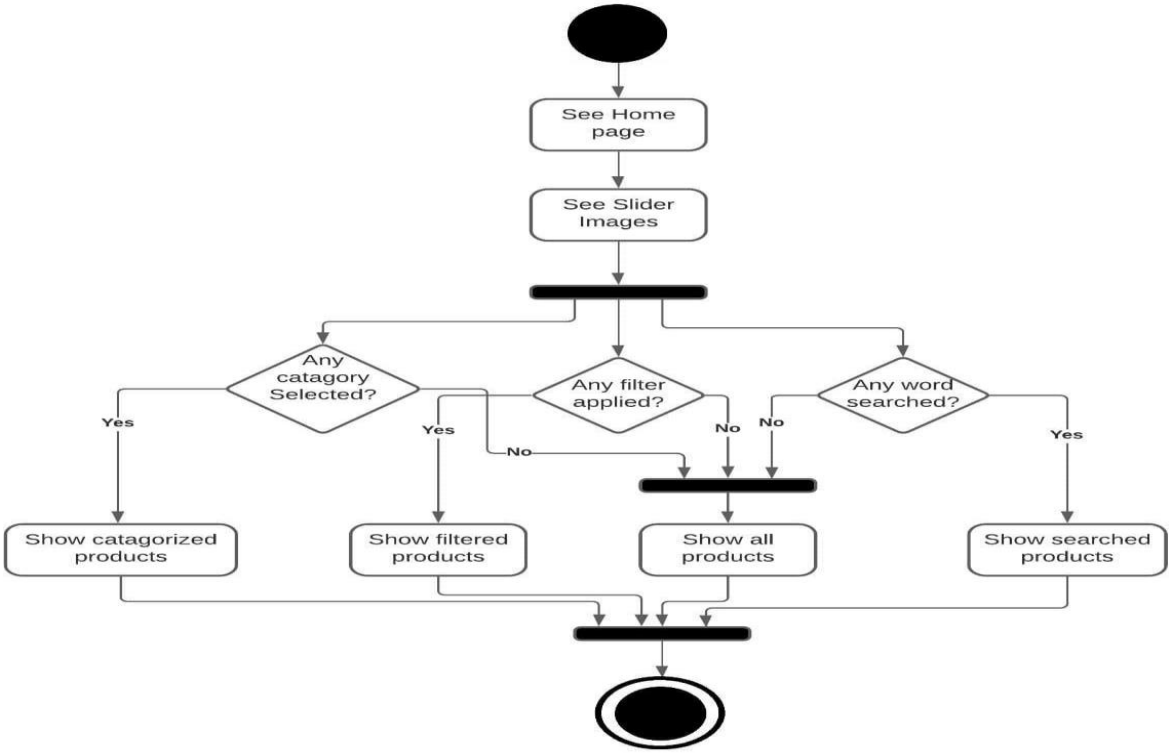
The interaction between admins and users on an e-commerce website is depicted in the diagram. In addition to tracking orders, users can register, explore products, add them to a cart, and check out. Admins have the ability to create reports, process orders, add and change products, and manage product categories. The diagram also displays typical procedures that are utilized in many processes (includes) and optional functionality (extends).

3.3 Activity Diagram and description.

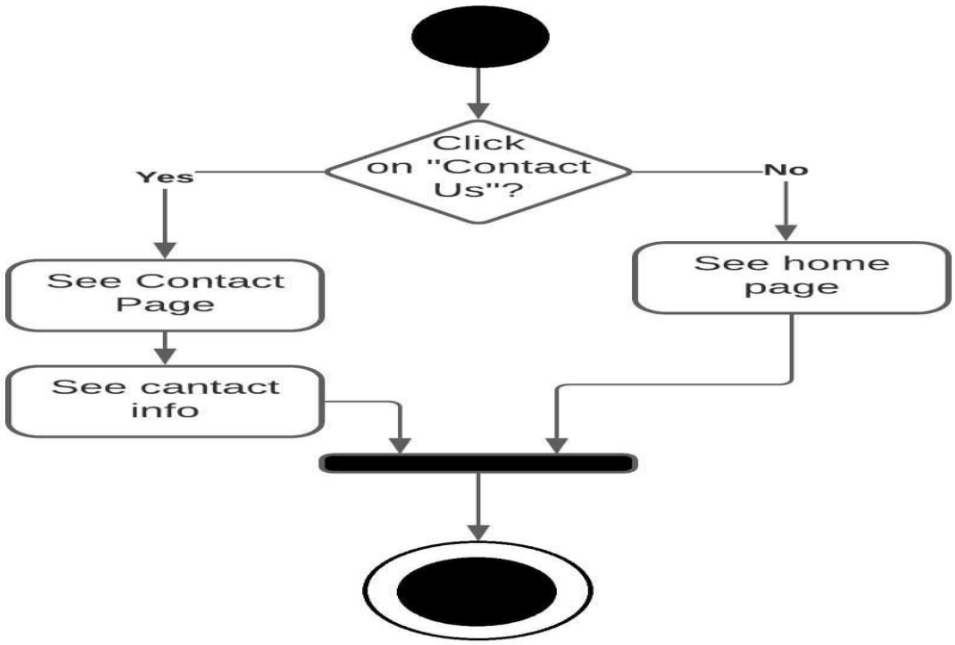
3.3.1 Login and Registration:



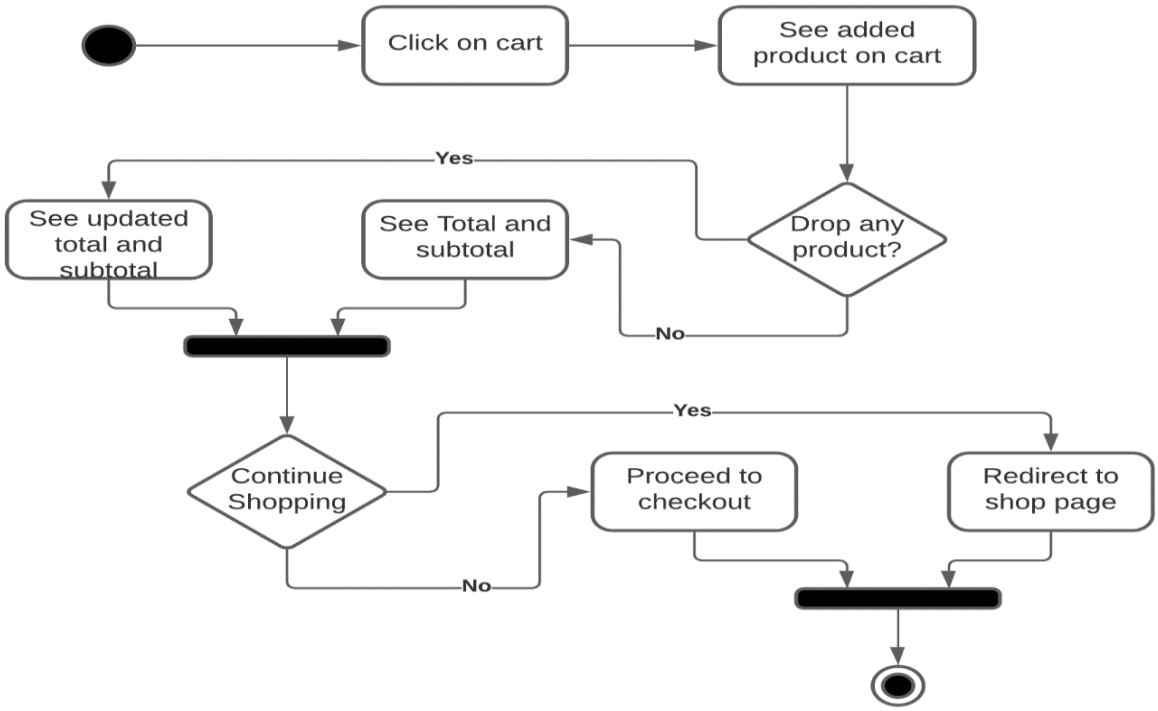
3.3.2 User to view home page:



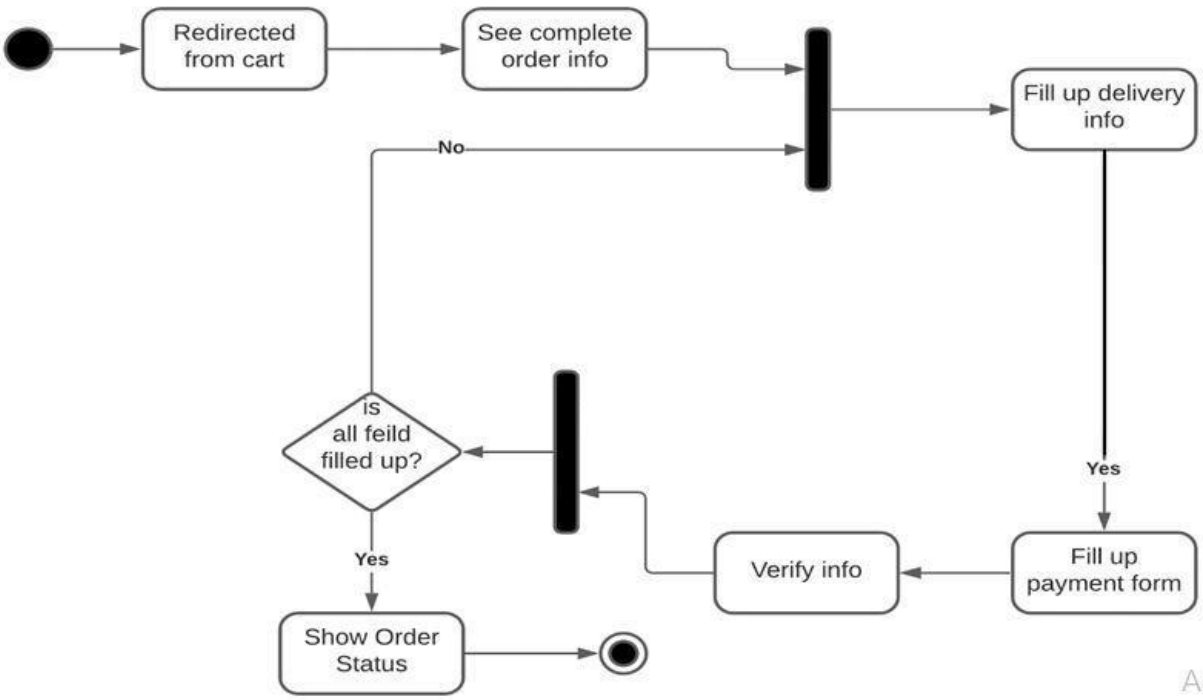
3.3.3 User to Contact:



3.3.4 Users to see cart:



3.3.5 User for payment:



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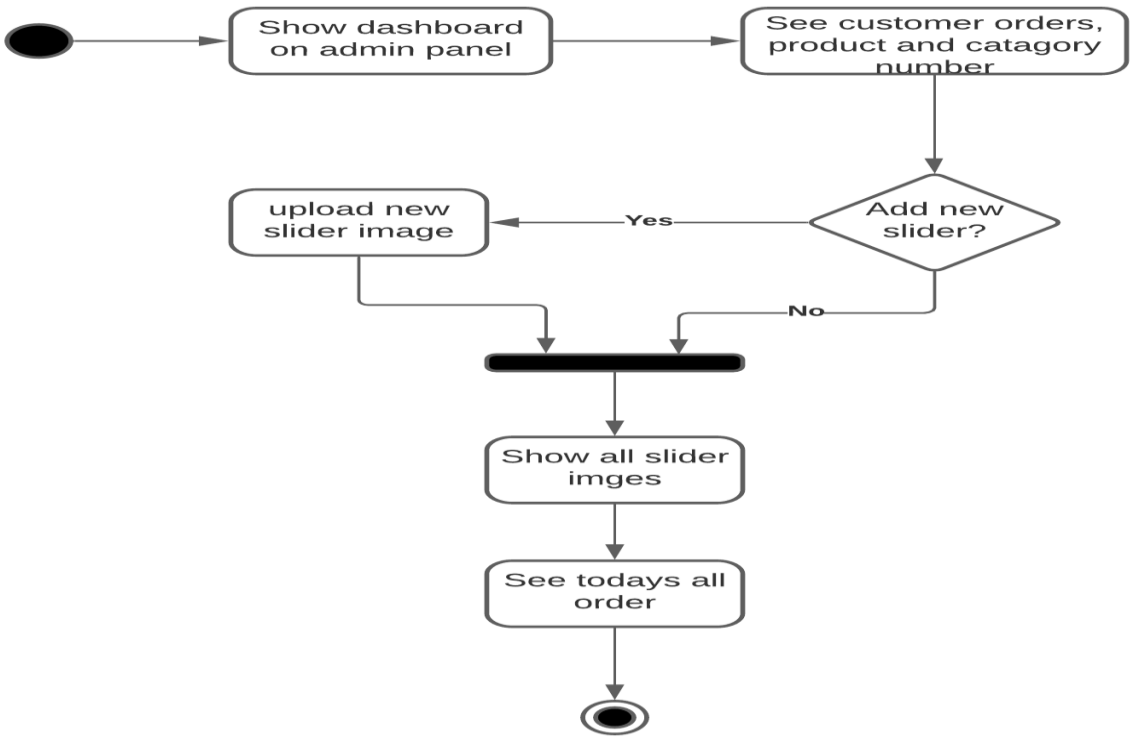
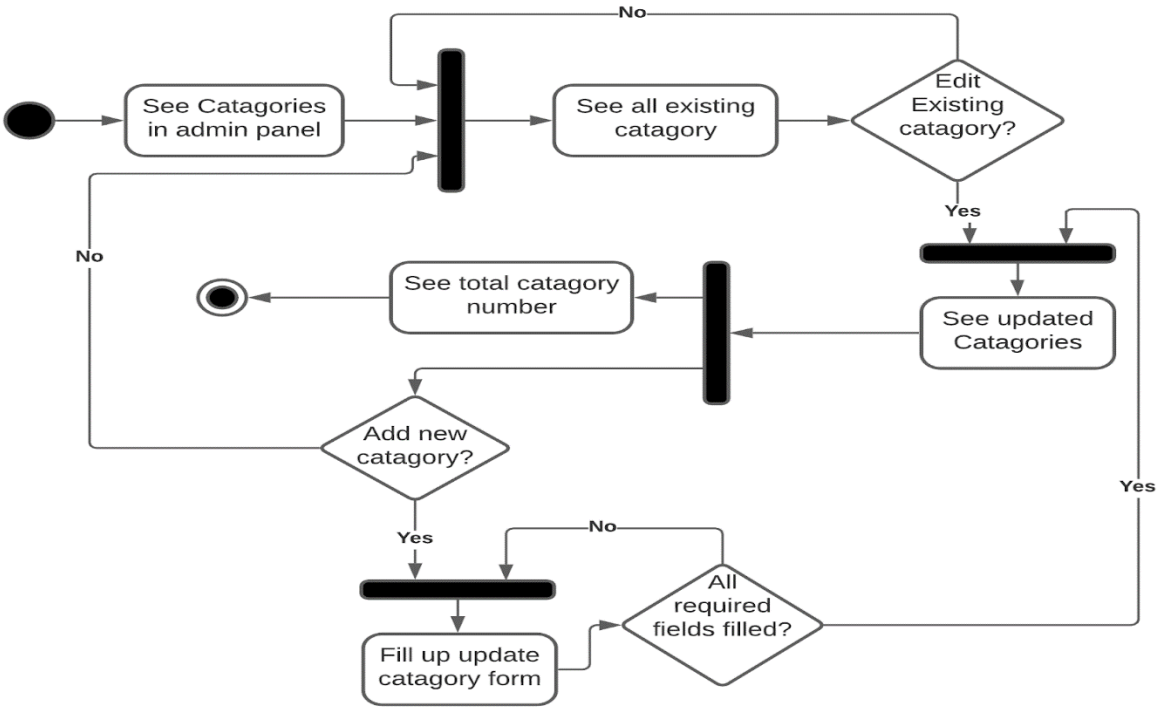
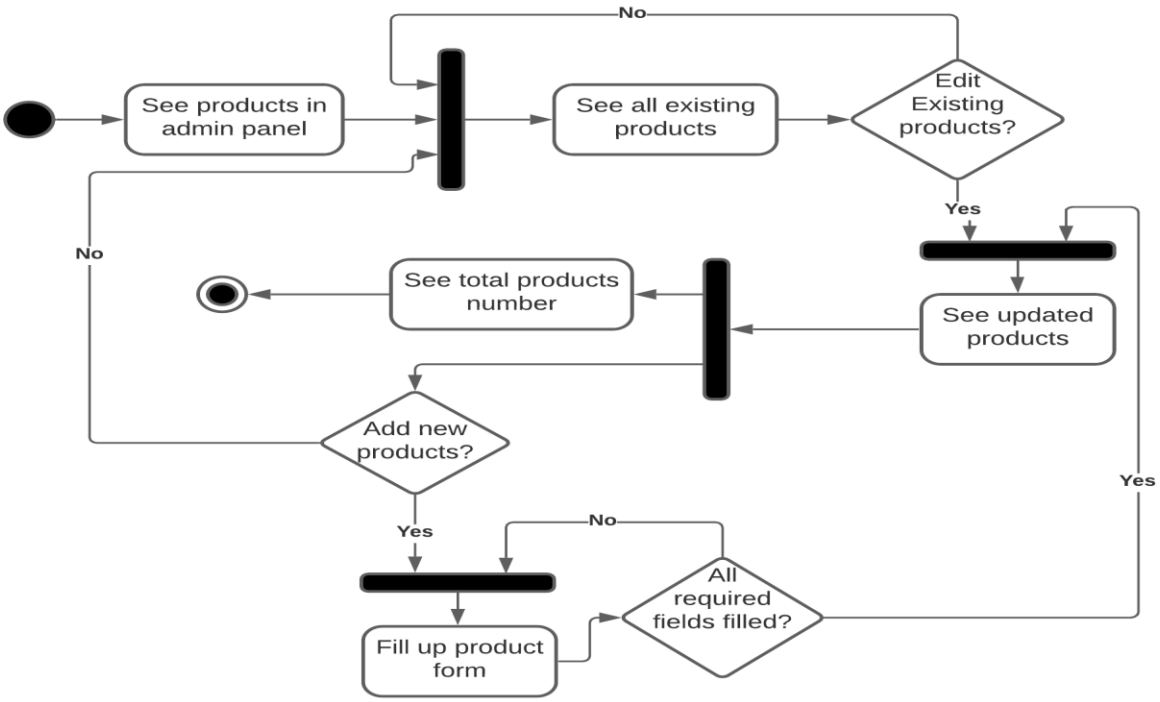
3.3.6 Viewing dashboard (Admin):



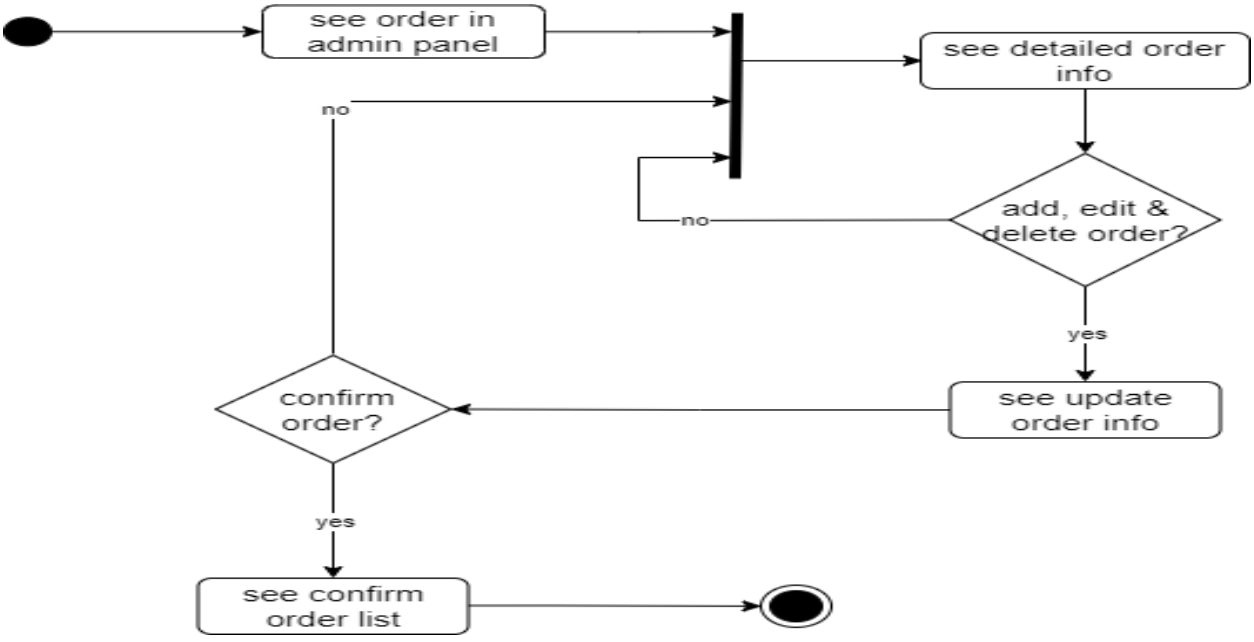
3.3.7 Interacting with categories (Admin):



3.3.8 Interacting with products (Admin):

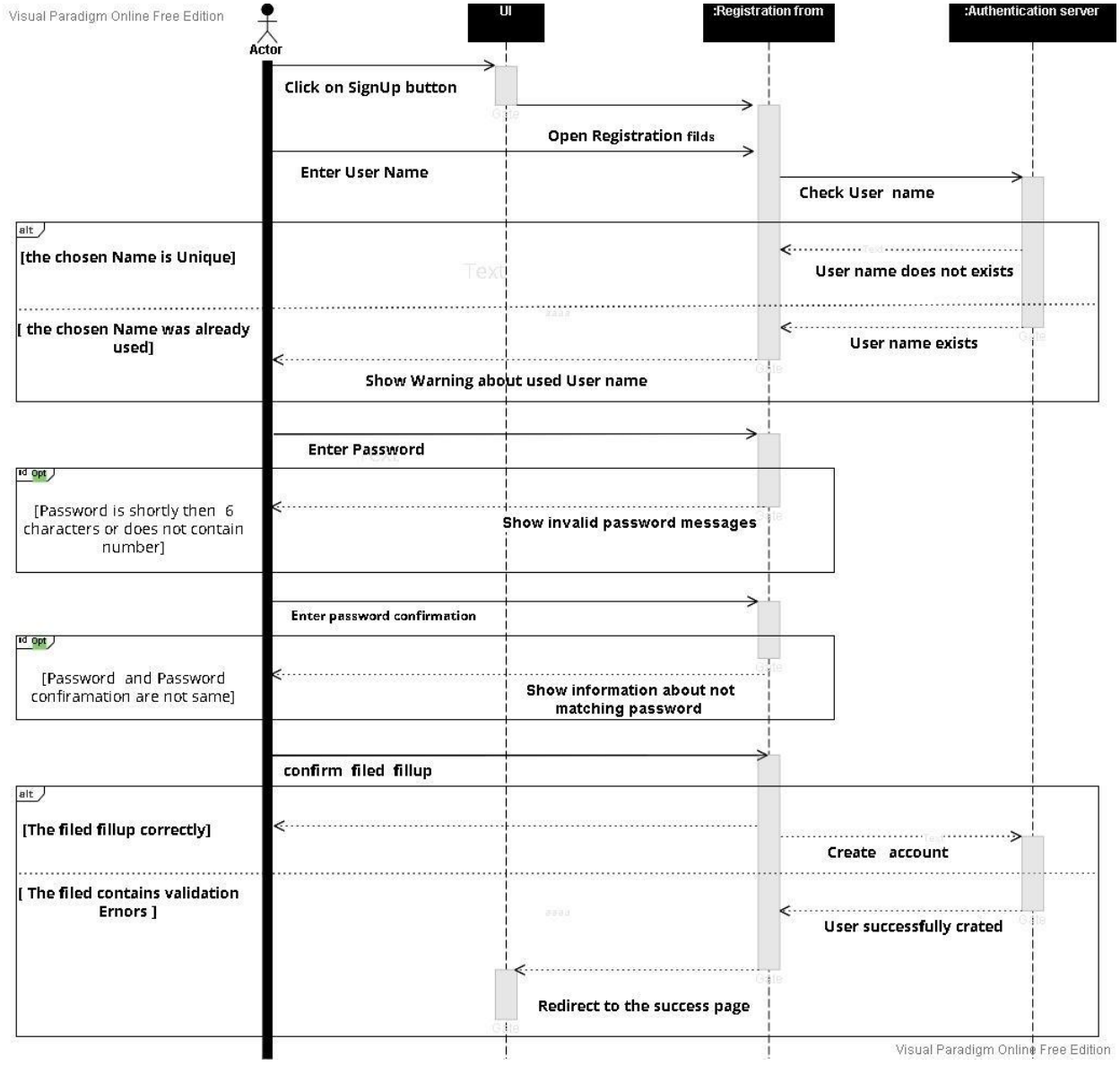


3.3.9 Interact with orders (Admin):

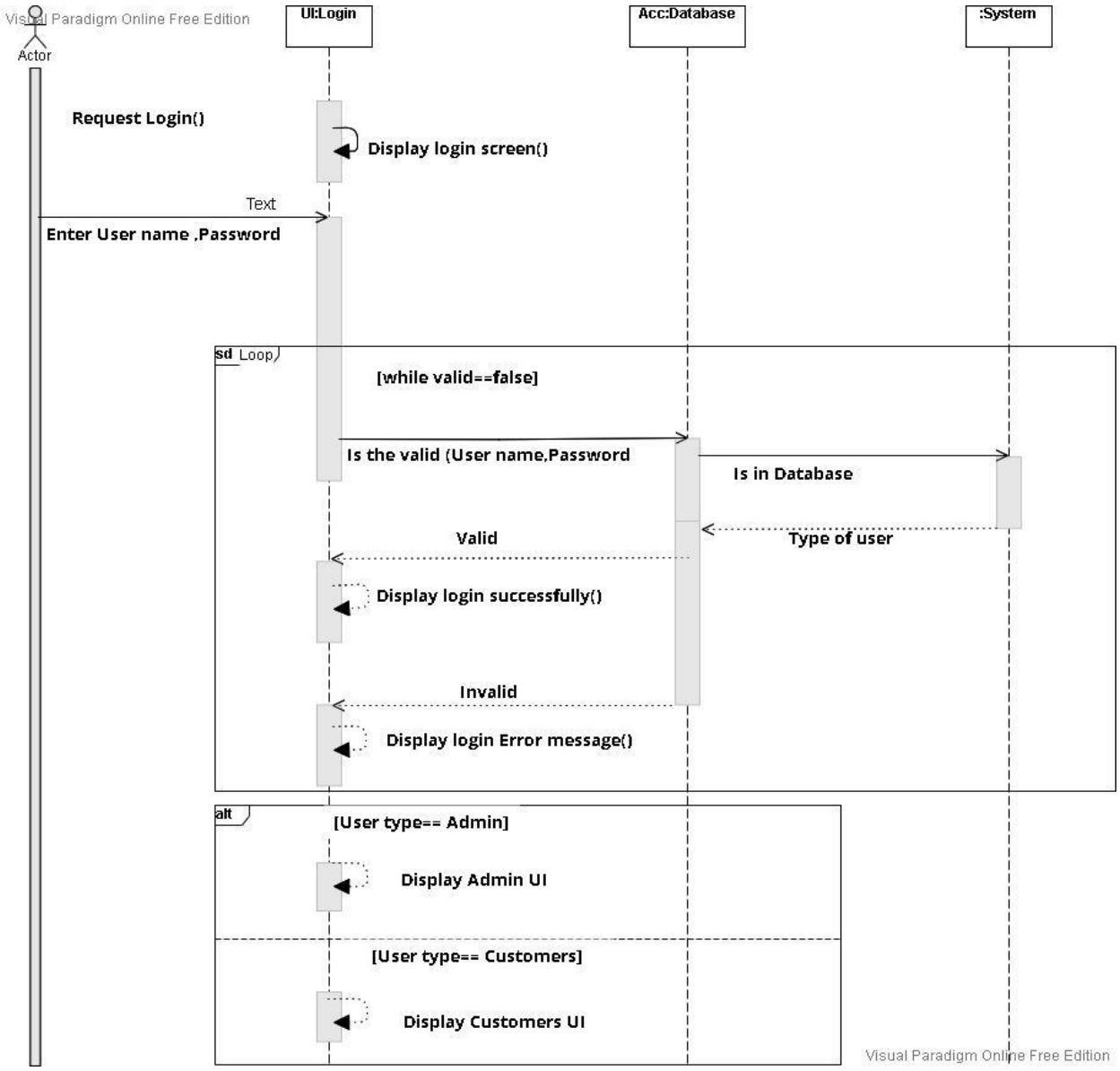


3.4 Sequence Diagram and Descriptions.

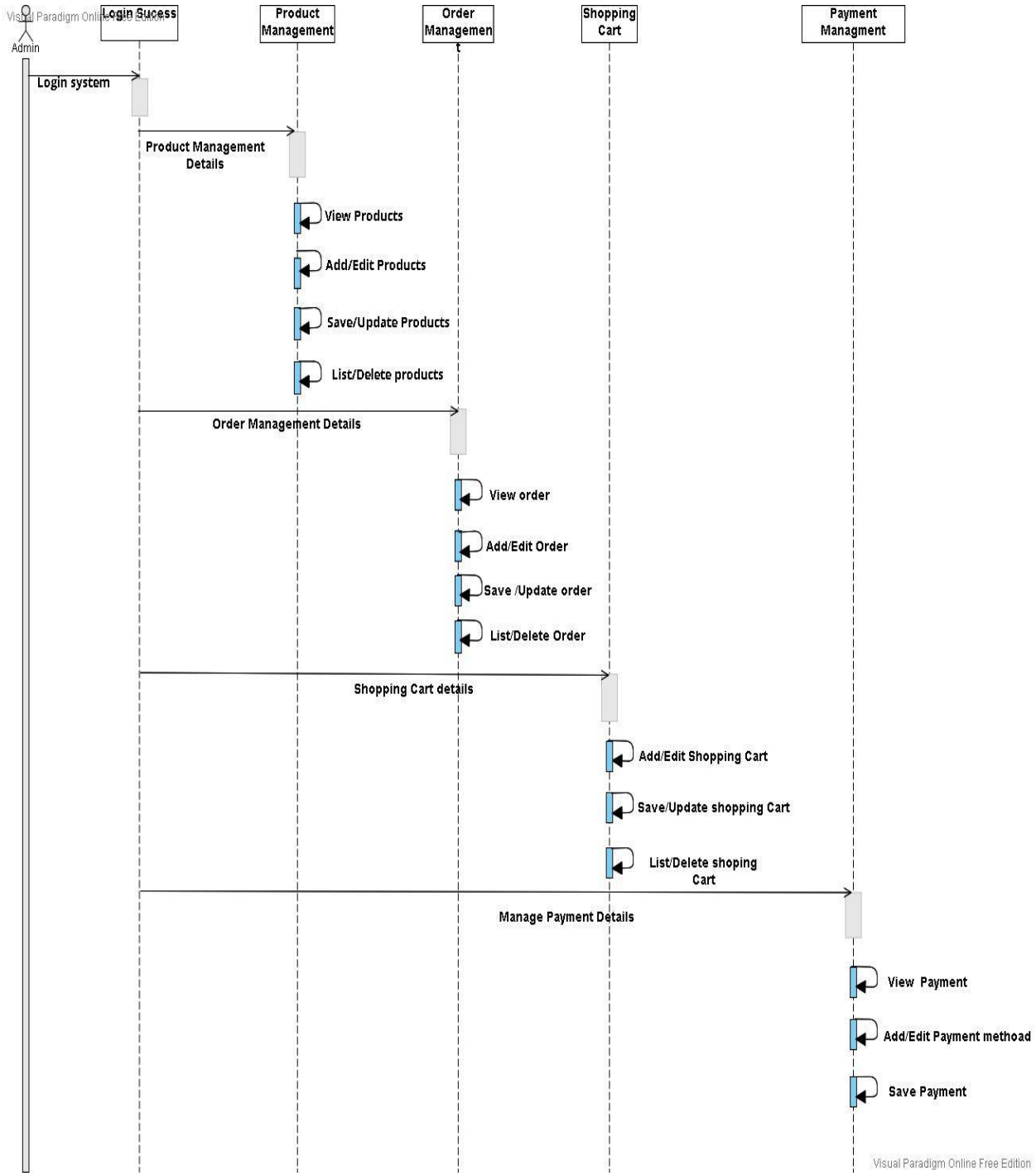
3.4.1 User registration:



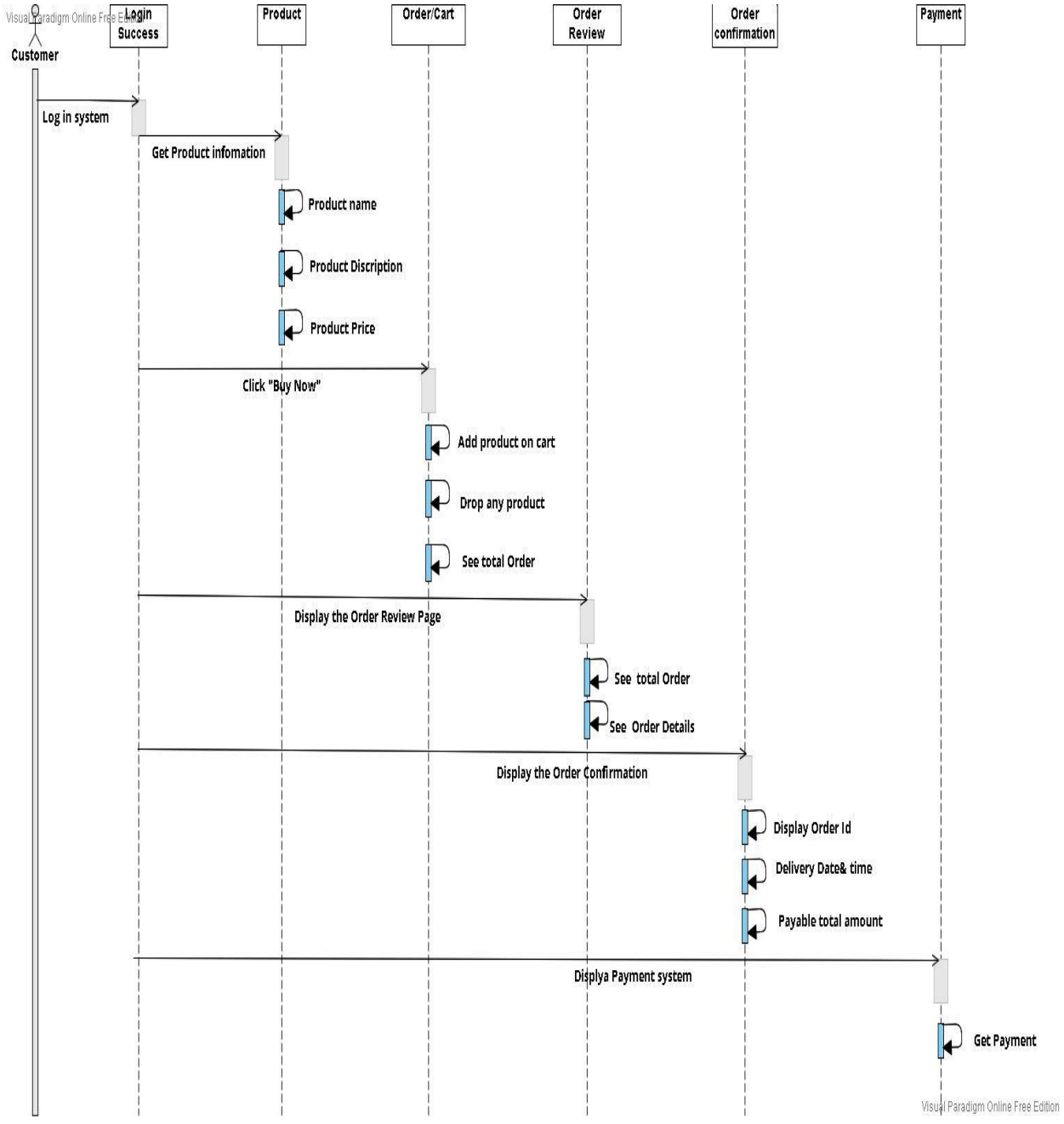
3.4.2 Users Login:



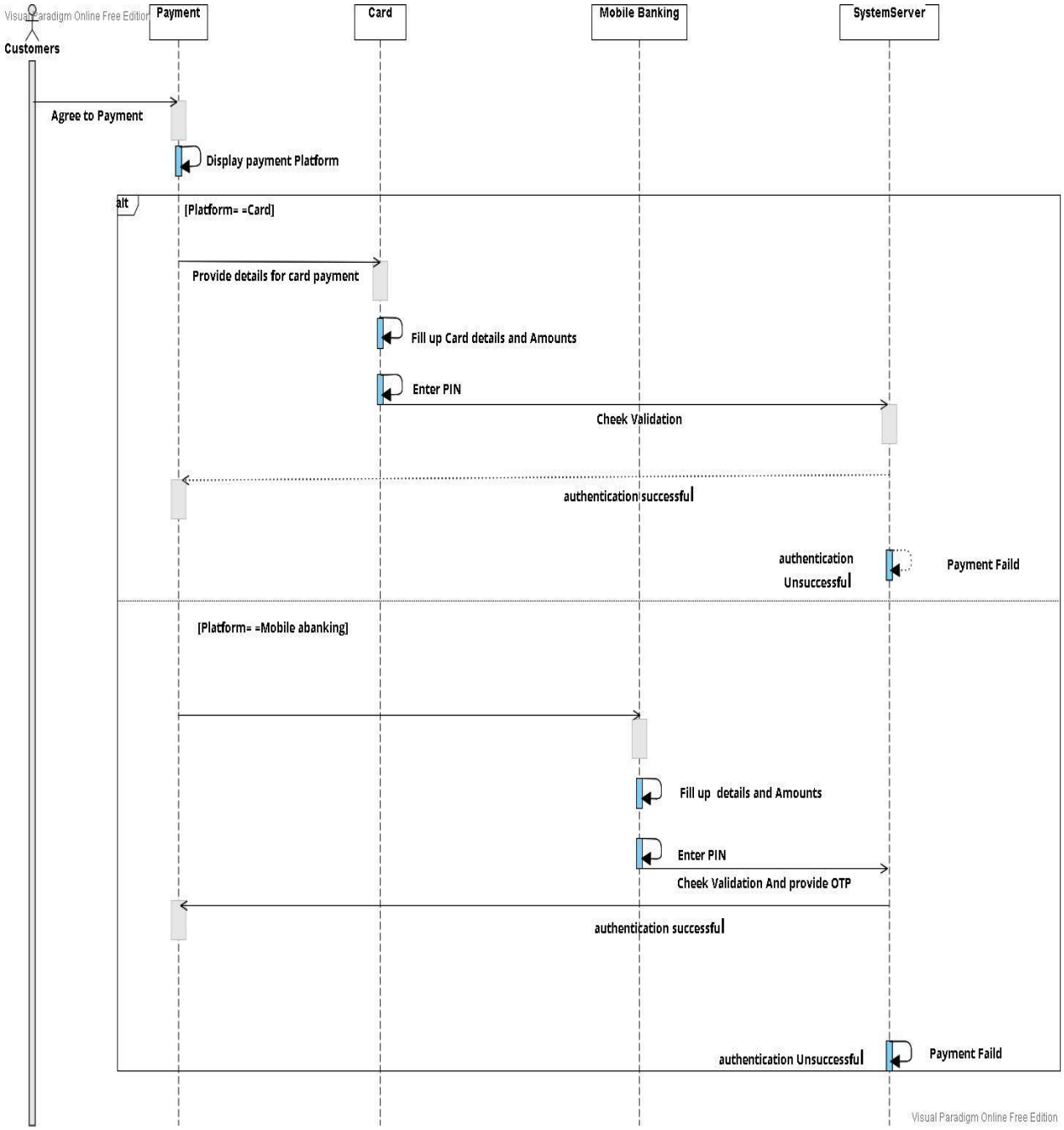
3.4.3 Admin management:



3.4.4 Products shopping:



3.4.5 User's Payment:



3.5 Entity Relationship Diagram:

Chapter 4

Tools and Technology

4.1 Software and Hardware Requirements:

Windows 10, Core i5 Processor.

4.2 Tools and Technology:

For Front-End: HTML, CSS, JavaScript, TypeScript, Tailwind, jquery, scss

For Back-End: Python, Django

Database: SQLite3

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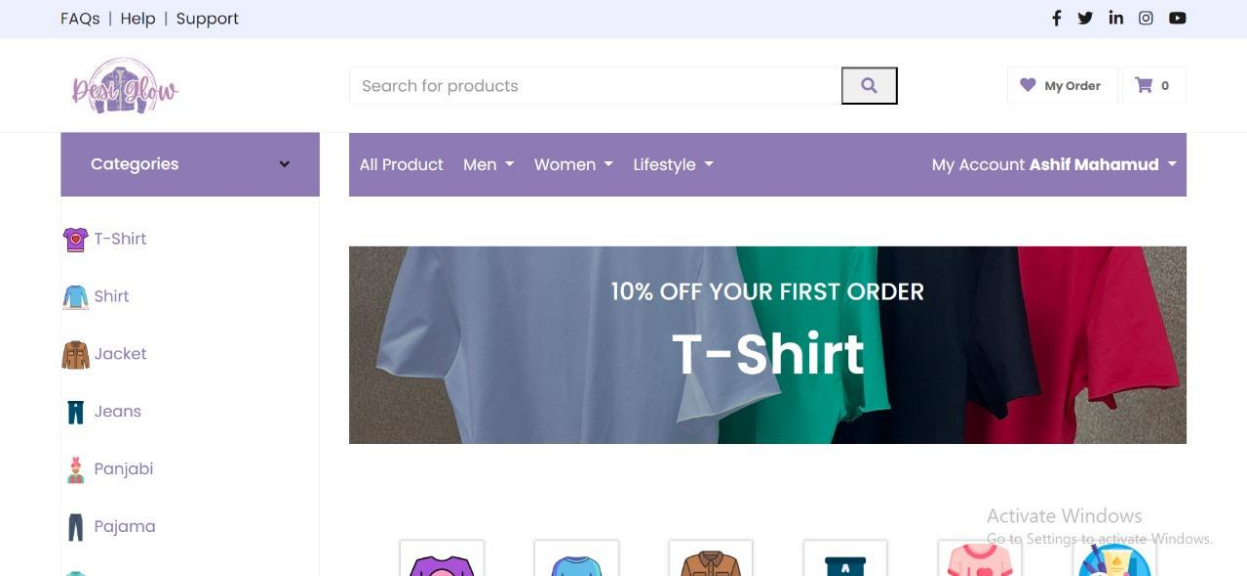
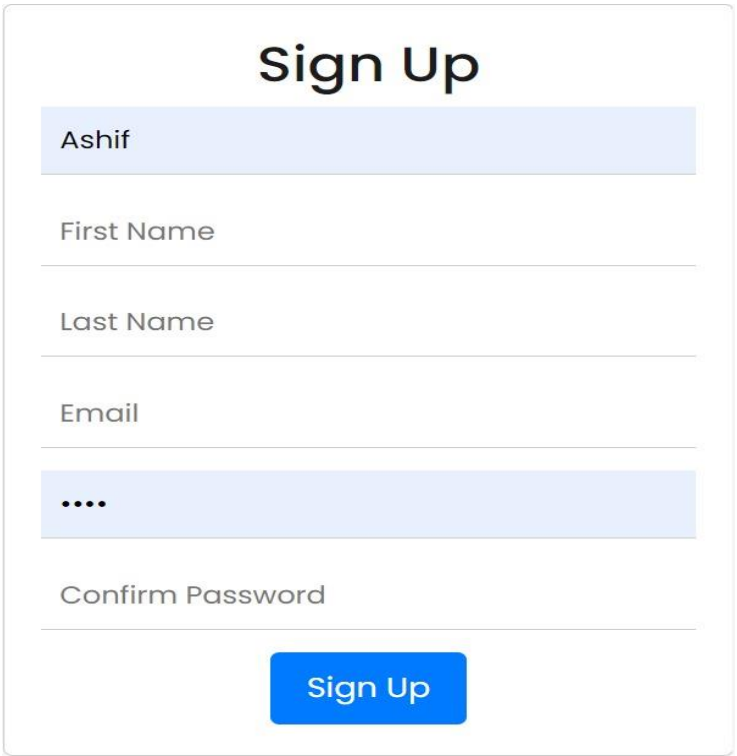
Chapter 5

Design of the user interface

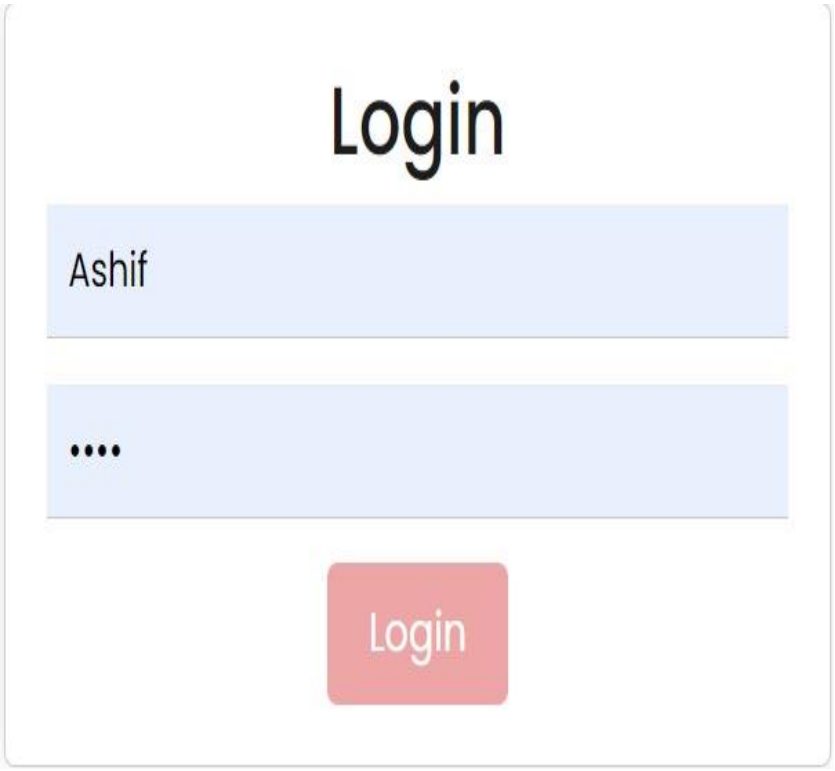
5.1 UI design (Homepage):



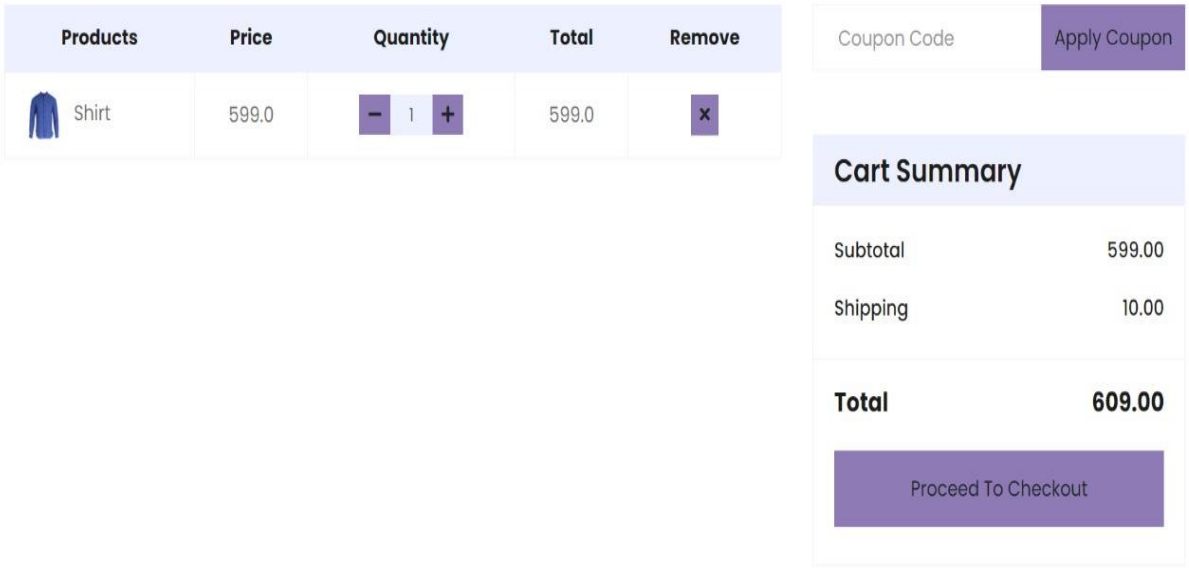
5.2 User's Registration:



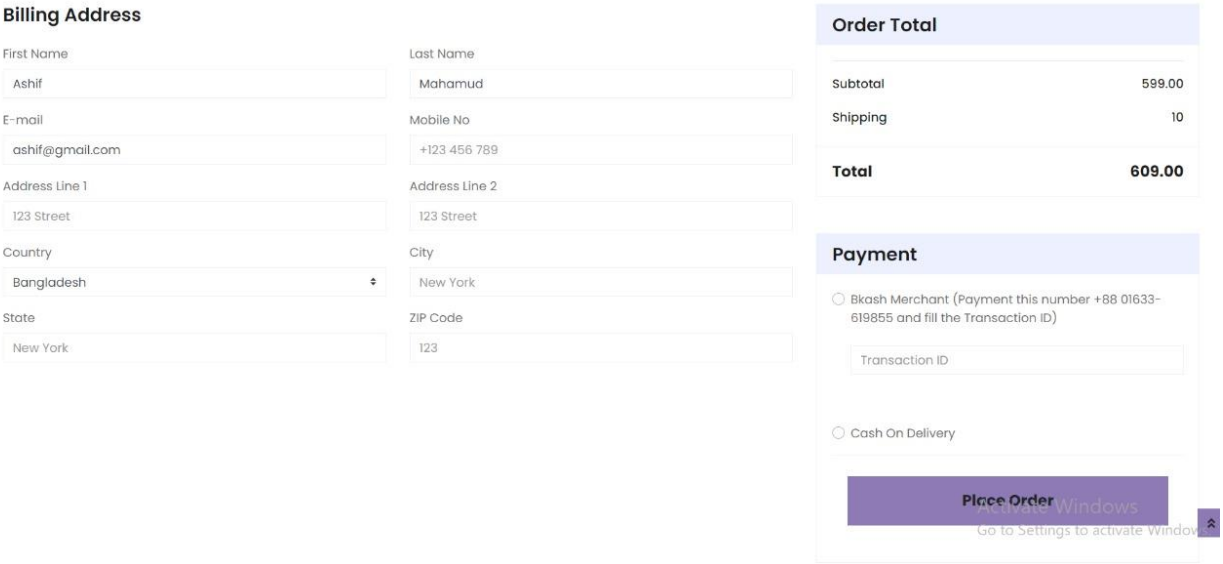
5.3 User's Login:



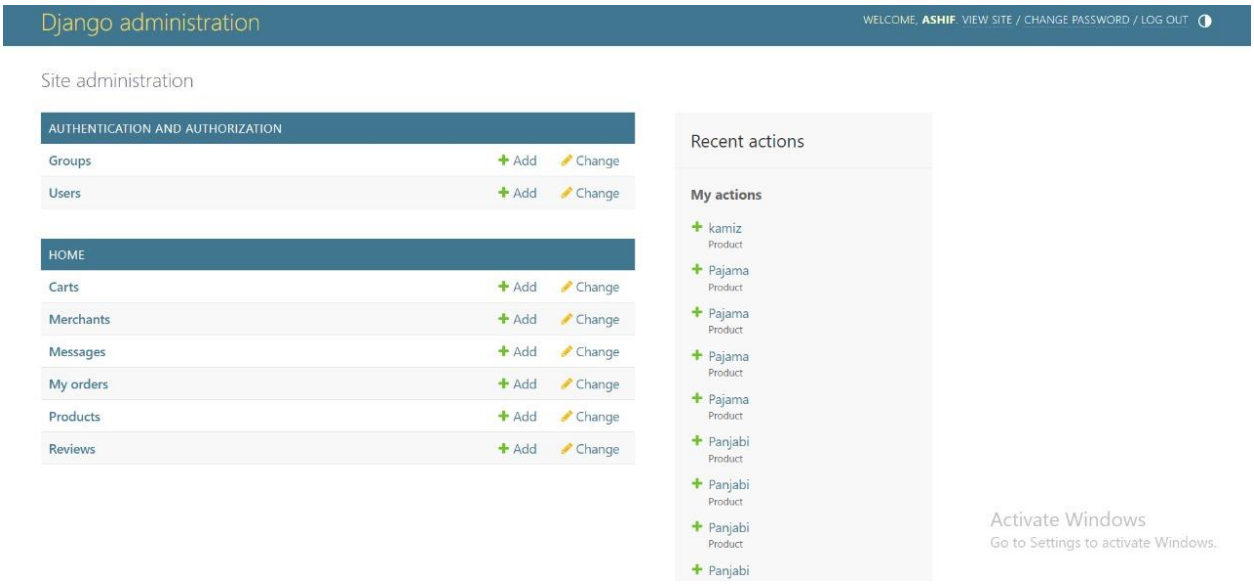
5.4 User's Add to Cart:



5.5 Checkout:



5.6 Admin Dashboard:



Chapter 6

Conclusion

6.1 Summary:

The goal of this project is to offer a thorough examination of the consequences of our web procedures. After a thorough investigation and assessment, we have concluded that our development web application is highly compatible with a variety of environments and secure. This result confirms that it is appropriate for general usage.

6.2 Limitations:

Some limitations exist with the system:

The system has security features including input validation, authentication, access control, session management, and CSRF prevention to guard against frequent assaults. Vulnerabilities are addressed through the regular application of security patches and updates. To be safe from new dangers, upgrades and constant monitoring are required.

6.3 Future Scope:

There is a lot of room for growth and improvement in this project. The system may eventually receive a number of enhancements to expand its capabilities. Among these additions are:

Integrating the authorized payment system from SSLCOMMERZ to guarantee dependable and safe online transactions.

Putting the HTTPS protocol into practice to create a secure channel of communication between the users.

6.4 Github Link: https://github.com/Ashif366/Desiglow

References:

- https://www.w3schools.com/
- https://stackoverflow.com/
- http://www.studywithanis.com
- https://learnwithsumit.com

Plagiarism Check Report: