Islamic Store

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This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

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Approval

This project titled on "Islamic Store", submitted by Mahir Shahriar, ID: 181-35-2332 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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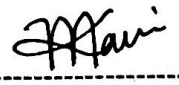

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Project Declaration

This is Mahir Shahriar, an undergraduate student from the Department of Software Engineering, Daffodil International University, Dhaka, Bangladesh. I hereby declare that I have done this project under the supervision of Ms. Nusrat Jahan, Assistant Professor, Department of Software Engineering, Daffodil International University. I also declare that this project "Islamic Store" or any part of this unique and has not been submitted elsewhere for the award of any degree.

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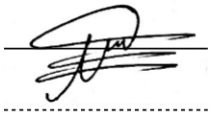

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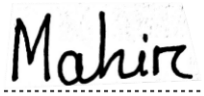

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Acknowledgement

At first, I am blessed that I successfully moved towards the last semester. I am pleased with my almighty. First, at the beginning of university life, I have learned a lot about software development as well as computer science-related knowledge from my university's knowledgeable teachers and helpful course mates. Teachers teach us ethics, morality, and politeness as well as software knowledge and related knowledge. I must be thankful to my parents and my family to give me the opportunity and always be to myself. My family always supports me. I am highly indebted to Ms. Nusrat Jahan for his guidance and constant supervision as well as for providing necessary information regarding the project & for his support in completing the project. My supervisor supports me to make this project "Islamic Store" a successful end. My thanks and appreciations go to my course mates in developing the project and people who have willingly helped me out with their abilities.

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Abstract

"Islamic Store" is a web-based project. E-commerce refers to the electronic platforms in which different goods and products can be sold. There are many sorts of e-commerce processes through which seller and buyer can fulfill their goals. It is to be noted that these platforms only sell general products which are needed in daily life. But there are not any Islamic products on e-commerce platforms. Many countries follow the path of Islam. As a result, the demand for Islamic products is increasing day by day. My project wants to fulfill the demand at least in a small range with a great purpose.

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CHAPTER 1: INTRODUCTION

1.1 Project Overview

The “Islamic Store” is developed to help all the Islamic products starting from Quran to Islamic accessories which can be pleasant gifts, one can find here. These products can be brought at reasonable prices and it’s open 24 hours at your service.

1.2 Project Purpose

My project aims to make the availability of religious products on e-commerce platforms. In this way, people can buy Islamic goods easily. We are here at your service so that you can save time and money at the same time but get the satisfactory products you are looking for.

Functionalities provided by “Islamic Store”

- An online platform to be used to get Islamic Products.
- Easy and user-friendly user experience.
- User can find a long range of products here.

1.2.1 Background

Based on another e-commerce website, in Islamic Store people can buy Islamic goods easily. All Islamic things, from the Quran to Islamic accessories that make great gifts, may be found here. These items can be purchased at a reasonable cost.

1.2.2 Benefits & Beneficiaries

This system would be helpful for every kind of person to purchase good quality Islamic products from home.

- The system helps to get all the unique and mesmerizing Islamic products they need.

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- Different types of Quran are available in different colors, shapes, and even with the translation of both Bengali and English.
- One can view products according to their choice.
- All the products are reasonable which can save money and time at the same time.
- Non-Muslim people can choose gifts for their Muslim friends.
- You can get the products without going outside and they will be at your door which is one of the biggest concerns.

1.3 Stakeholders

A person who is not a developer but is actively involved with this system. Project stakeholders, according to project management, were "a person, group, or organization who will be influenced or affected by a project decision, activity, or outcome."

I have an Admin who is the owner and Customers as the stakeholder of this system.

1.3.1 Owner

The owner is the user who has all the access in this project, like adding or removing products, showing orders and He can also cancel an order.

1.3.2 Customer

Customers can register an account. After that, they can log in, show products, and make the orders from the website.

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1.4 Project Schedule

Considering a short time, I need to read a scheduling plan to finish the project on time. It also refers to making communication with what task needs to be done within a short time

1.4.1 Gantt Chart

Activities		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Planning	Ideas														
	Problem Identification														
	Proposal														
Requirements	Requirements Specification														
	Requirement Analysis														
QA-1	Quality Assurance														
System Design	Sketching														
	Design Specification														
	Model Design														
R&D	Database														
Implementation-1	Write Review														
QA-2	Test Cases														
Implementation-2	Case Imposing and Finding Defects														
Testing	Unit Testing														
	Black Box Testing														
Delivery	Software Release														

Time	
Allocated Time	

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1.4.2 Release Plan

The release plan is given below:

Activities	Duration(in Week)	Total Week
Brainstorming	Week-1, Week-2	2
Problem identification	Week-2, Week-3	2
Requirement analysis	Week-4	1
Sketching	Week-5	1
Design specification	Week-6, Week-7	2
Implementation	Week-9, Week-10, Week-11, Week-12	4
Testing	Week-13, Week-14, Week-15	3
Delivery	Week-16	1

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1.4.3 Project version

The release plan is given below:

Version	Feature	Date
V1.0	System design, Multiple Login	22-09-2021
V1.1	View product, Add to Cart, Product purchase, Show Order	31-12-2021

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CHAPTER 2: REQUIREMENTS ENGINEERING

2.1 Functional Requirements (FR):

Software must meet functional requirements, sometimes known as necessary functions. The system's intended behavior is captured by functional requirements. This behavior might be expressed as functions, services, tasks, or the tasks that the system is expected to complete.

2.1.1 Registration

FR 1	Registration
Description	Customers need registration for login and access to functionalities of the system.
Stakeholders	Customer

2.1.2 Login

FR 2	Login.
Description	Customer and admin login to take access to the system.
Stakeholders	Admin, Customer

2.1.3 View Product

FR 3	View Product
Description	Customer View product after inserting product from admin panel by admin.
Stakeholders	Customer

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2.1.4 Add Product

FR 4	Add Product
Description	Admin will add products for the customer.
Stakeholders	Admin

2.1.5 Edit Product

FR 5	Edit Product
Description	Admin will edit the product for modification.
Stakeholders	Admin

2.1.6 Delete Product

FR 6	Delete Product
Description	Admin will delete products to remove from the website.
Stakeholders	Admin

2.1.7 Add Product in Cart

FR 7	Add Product In Cart
Customers	Customers will add the product into the cart from store to purchase.
Stakeholders	Customer

2.1.8 View Cart

FR 8	View In Cart

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Description	Customers will view the cart to purchase.
Stakeholders	Customer

2.1.9 Edit Cart

FR 9	Edit Cart
Description	Customers will edit the cat to verify products.
Stakeholders	Customer

2.1.10 Delete Cart

FR 10	Delete Cart
Description	Customers will delete the product from cart if their minds change.
Stakeholders	Customer

2.1.11 Place order

FR 11	Place order
Description	The customer will place an order for further process.
Stakeholders	Customer

2.1.12 Pay for Order

FR 12	Pay for Order
Description	Customers will pay for purchase items.
Stakeholders	Customer

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2.1.13 Show Order List

FR 13	Show Order List
Description	Customer & Admin can see the order list.
Stakeholders	Customer & Admin.

2.1.14 Report Generate

FR 14	Report Generate
Description	Admin can see the report of sales.
Stakeholders	Admin

2.2 Non-Functional Requirements

1. **Security:** It is the most important part of a system. Because, if the system is hacked or someone stole data from the system then the Admin will fall into big trouble.
2. **Usability:** Usability is essential for a system. If the system is useless then there is no reason to develop it.
3. **Performance:** It is the one thing that all users want to have in a system. So it should be fast and lightweight.
4. **Maintainability:** The system must be maintained by someone so it must have needed to add an option to maintain the whole system. In this system, it's fully dynamic so the admin can maintain the system from the backend.

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CHAPTER 3: SYSTEM DESIGN & SPECIFICATION

A system design specification is a document that aids in the description of a system's comprehensive design, including design, activities cost. The user will utilize the system requirement papers, while the programmer will use the system design specification documents to create the appropriate programs (w3school, 2021).

Some aspects of the system requirement document, such as the data flow diagram, data dictionary entries, and process descriptions, are repeated in the system design specification. The user must carefully organize the system design specification, as it may vary in length and must be sequenced for effective maintenance. The system design specification should include an index, table of contents, and cover page. The sections that make up the system design specification are listed below.

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3.1 Use Case Diagram

A use case diagram is a UML behavior or dynamic diagram. Actors and use cases are used to model the functioning of a system in use case diagrams. A set of tasks, services, and operations that the system must do are referred to as use cases. A "system" in this sense refers to something that is being produced or operated, such as a website. The "actors" are persons or things that perform certain functions within the system. Here the actors are Admin and Customer.

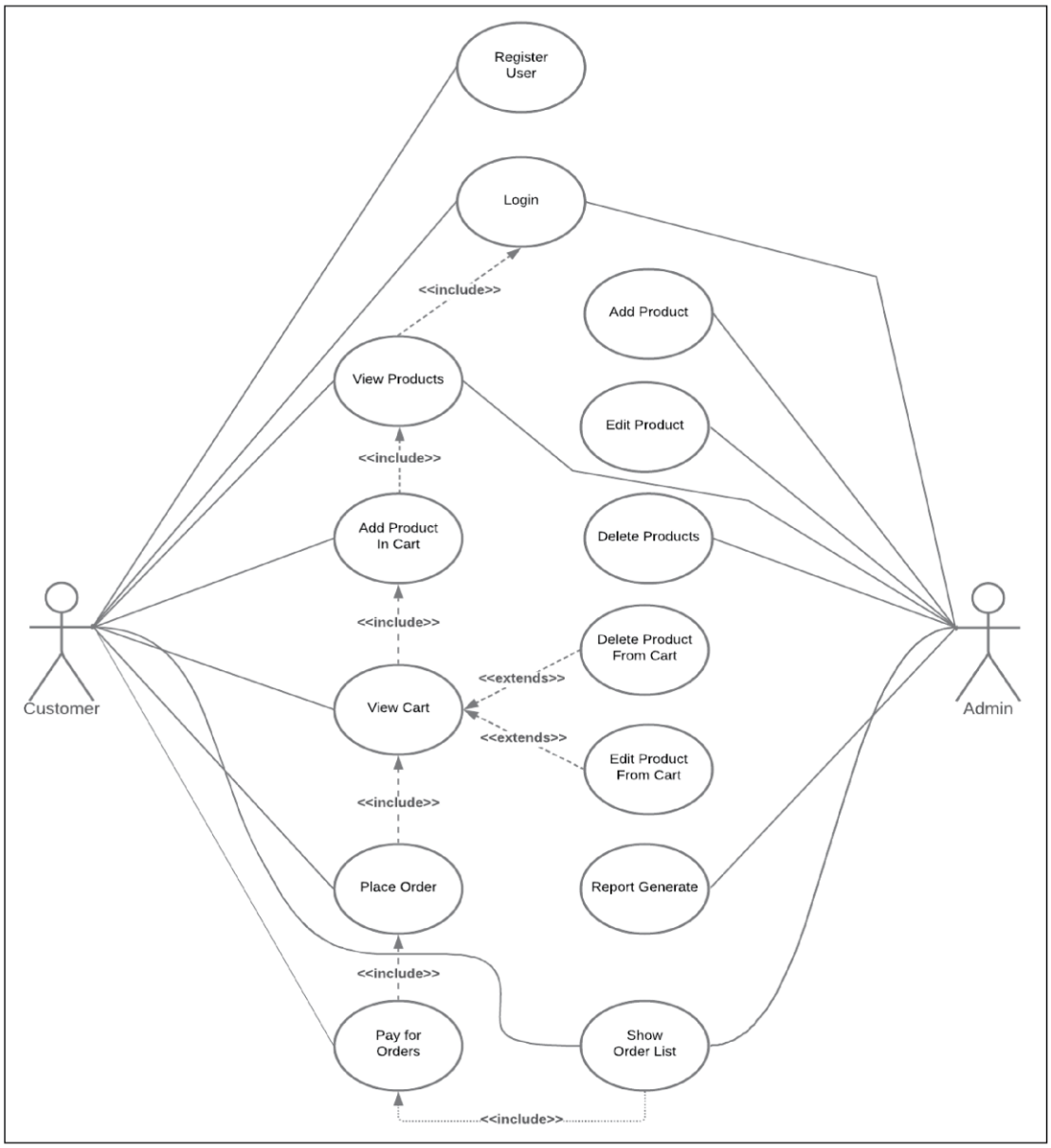

Figure 3.2 Use Case Diagram

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3.2 Use Case Description

3.2.1 Registration

Use Case Name	Register User
Actor	Customer
Trigger	User After entering the website, click on registration.
Description	Customers can register by giving credentials.
Pre-Condition	• User must visit the website. • Internet connectivity must be consistent.
Basic Path	• User goes to the website. • Clicks on register site of login. • Give credentials. • Clicks on the register button.
Alternative Path	
Post Condition	Users will be redirected to the login page
Exception Path	Users can cancel the registration at any time

3.2.2 Login

Use Case Name	Login
Actor	Customer, Admin
Trigger	User After entering the website, click on login.
Description	Admin and user can log in by giving correct credentials.
Pre-Condition	• User must visit the website. • Internet connectivity must be consistent.
Basic Path	• User goes to the website. • Clicks on login. • Give credentials. • Clicks on the login button.
Alternative Path	
Post Condition	Users will be redirected to the view Products page.

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Exception Path	Users can cancel the registration at any time.

3.2.3 View Products

Use Case Name	View Products
Actor	Customer, Admin
Trigger	The user will show after entering the website.
Description	Customers can view products from the frontend and the admin can view products from the backend.
Pre-Condition	Internet connectivity must be consistent.
Basic Path	Visits Website URL.
Alternative Path	Users can log in if the user wants.
Post Condition	Product Must be added
Exception Path	None

3.2.3.1 Add Product

Use Case Name	Add Product
Actor	Admin
Trigger	Click on Add Product.
Description	Admin can add product from backend so that user can purchase it.
Pre-Condition	• Must have a stable internet connection • Must be logged in as admin. • Must be at Admin dashboard page.
Basic Path	• Clicks on adding new product. • Gives product credentials. • Save product.

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Alternative Path	
Post Condition	Must see a success message
Exception Path	Admin can cancel adding product at any time.

3.2.3.2 Edit Product

Use Case Name	Edit Product
Actor	Admin
Trigger	Click on Edit Product.
Description	Admin can edit products from the backend so that if there is any kind of mistake while adding products can be solved.
Pre-Condition	• Must have a stable internet connection. • Must be logged in as admin. • Must be at Admin dashboard page.
Basic Path	• Clicks on Edit Product. • Edit product credentials. • Update product.
Alternative Path	Admin can skip.
Post Condition	Must see a success message.
Exception Path	Admin can cancel edit product at any time.

3.2.3.3 Delete Product

Use Case Name	Delete Product
Actor	Admin
Trigger	Click on Delete Product
Description	Admin deletes product from backend if needed.

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Pre-Condition	• Must have a stable internet connection. • Must be logged in. • Must be at Admin products page.
Basic Path	Click on Delete Product
Alternative Path	Admin can skip
Post Condition	Must redirect to Admin product page
Exception Path	None

3.2.4 Add Product in Cart

Use Case Name	Add Product in Cart
Actor	Customer
Trigger	Click on add in cart.
Description	Customers can add products to a cart if the customer wants to purchase a product.
Pre-Condition	Must have a stable internet connection.
Basic Path	Click on add cart.
Alternative Path	Users can skip.
Post Condition	The product will add to the cart.
Exception Path	None

3.2.4.1 View Cart

Use Case Name	View Cart
Actor	Customer
Trigger	Click on cart

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Description	Customers can view the products in the cart. That's why customers can ensure what they are purchasing.
Pre-Condition	Must have a stable internet connection
Basic Path	Click on the view cart
Alternative Path	User can skip
Post Condition	Show the cart page
Exception Path	None

3.2.4.2 Delete Product from Cart

Use Case Name	Delete Product From Cart
Actor	Customer
Customers	Customer can delete products in the cart if their mind is changed.
Pre-Condition	• Must have a stable internet connection. • Must be on the cart page.
Basic Path	• Click on view cart. • Click on delete product.
Alternative Path	User can skip
Post Condition	The product will be deleted.
Exception Path	None

3.2.4.3 Edit Product from Cart

Use Case Name	Edit Product From Cart
Actor	Customer
Trigger	Click on product quantity

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Description	Customers can edit products in the cart if there need some modifications.
Pre-Condition	• Must have a stable internet connection. • Must be on the cart page.
Basic Path	• Click on view cart. • Click on edit product quantity.
Alternative Path	Users can skip.
Post Condition	The product quantity will be upgraded.
Exception Path	None

3.2.5 Place Order

Use Case Name	Place Order
Actor	Customer
Trigger	Click on Checkout.
Description	Customers can place an order if the actual product is selected in the cart.
Pre-Condition	• Must have a stable internet connection. • Must be on the cart page. • Must be added at least one product.
Basic Path	• Click on view cart. • Click on Checkout.
Alternative Path	Users can skip.
Post Condition	Checkout page.
Exception Path	None
	None

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3.2.6 Pay for Orders

Use Case Name	Pay for Orders
Actor	Customer
Trigger	Click on Checkout
Description	Customers can pay in the order to make the purchase.
Pre-Condition	• Must have a stable internet connection. • Must be in place order. • Must be login. • Must be add shipping credentials.
Basic Path	• Click on Checkout. • Click on Place Order.
Alternative Path	Users can skip.
Post Condition	Order successfully done.
Exception Path	None

3.2.7 Show Order List

Use Case Name	Show Order List
Actor	Customer
Trigger	Click on Orders
Description	Customers can show the order list after the purchase.
Pre-Condition	• Must have a stable internet connection. • Must be login. • Click on orders.
Basic Path	• Click on profile. • Click on orders.
Alternative Path	Users can skip.

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Post Condition	Order successfully done.
Exception Path	None

3.2.8 Report Generate

Use Case Name	Report Generate
Actor	Admin
Trigger	Dashboard
Description	Admin can see the reports.
Pre-Condition	• Must have a stable internet connection. • Must be login in the admin panel.
Basic Path	Click on dashboard
Alternative Path	Admin can skip
Post Condition	None
Exception Path	None

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3.3 Activity Diagram

I have prepared some activity diagrams according to my Islamic Store use case. These activity diagrams are properly referring to the flow of the individual conditions of the Islamic Store.

3.3.1 Register User

To register the user, the user must need go to the homepage. After that user needs to click on the signup button. Then a new page will be loaded. On that page, customers need to give their full name, Email, number & 2 passwords for registration.

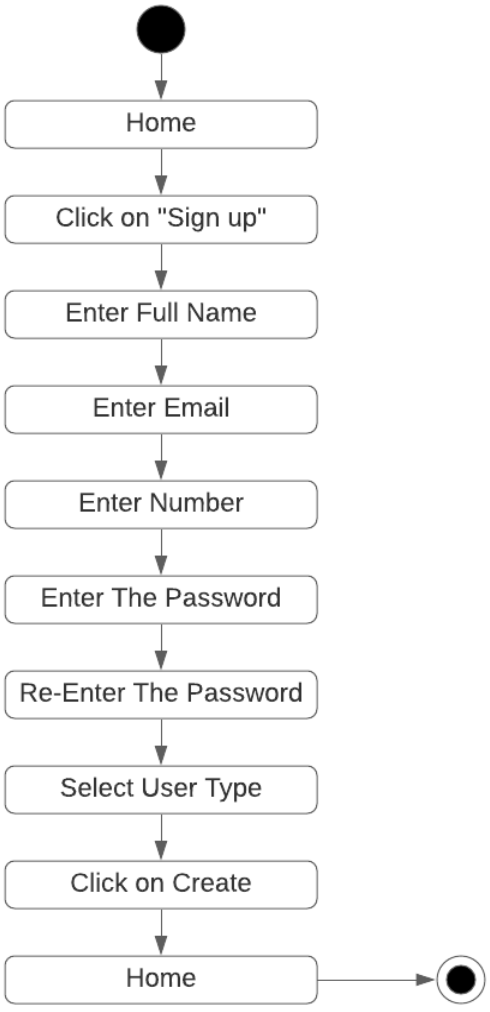

Figure 3.3.1: Register User

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3.3.2 Login

From the homepage, there is a button called login which needed an email and password for login. If the credentials are correct then the user can log in. Otherwise, it will show that the username and password are incorrect.

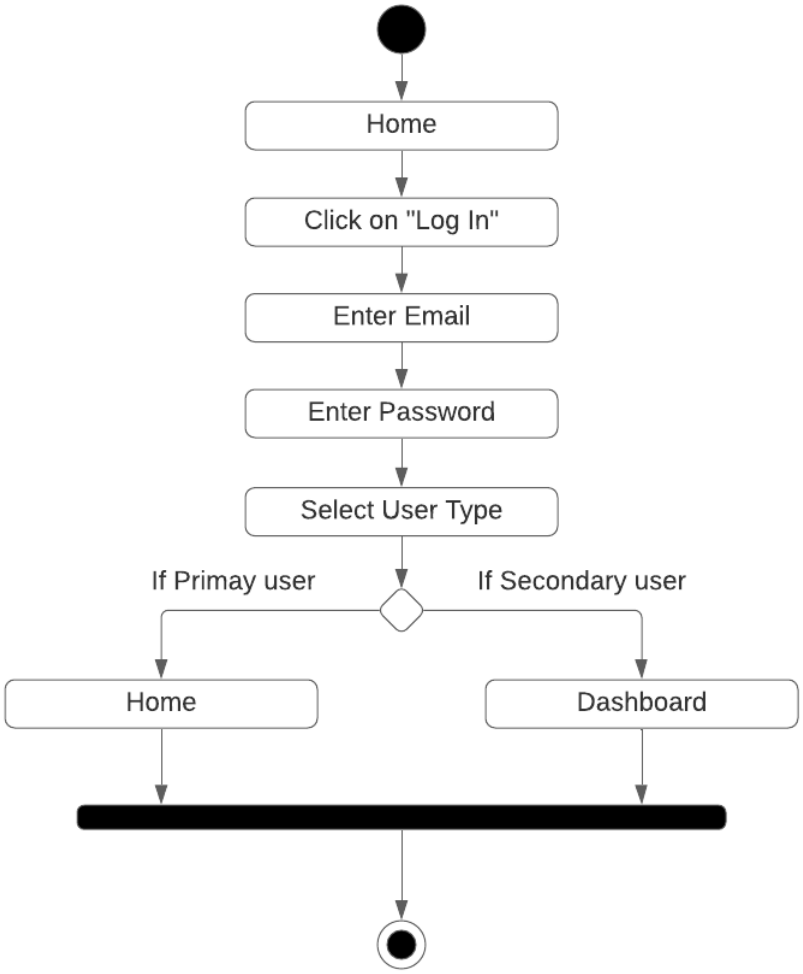

Figure 3.3.2: Login

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3.3.3 View Products

Customers can view the product by clicking on the products.

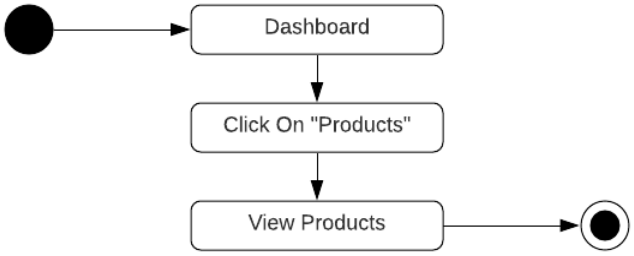

Figure 3.3.3: View Products

3.3.4.1 Add Products

Admin can add products from the backend by giving product details.

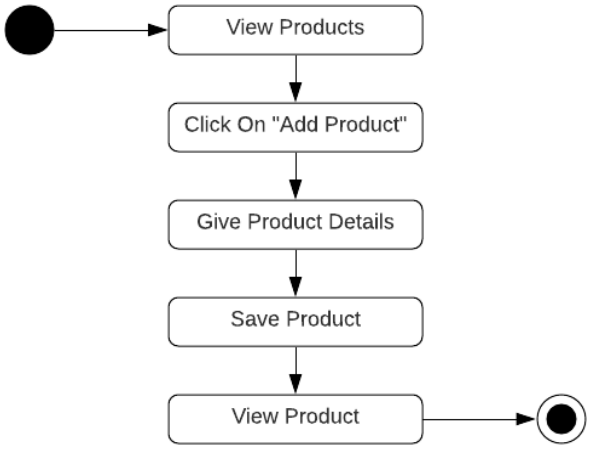

Figure 3.3.4.1: Add Products

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3.3.4.2 Edit Products

Admin can edit products from the backend by editing product details.

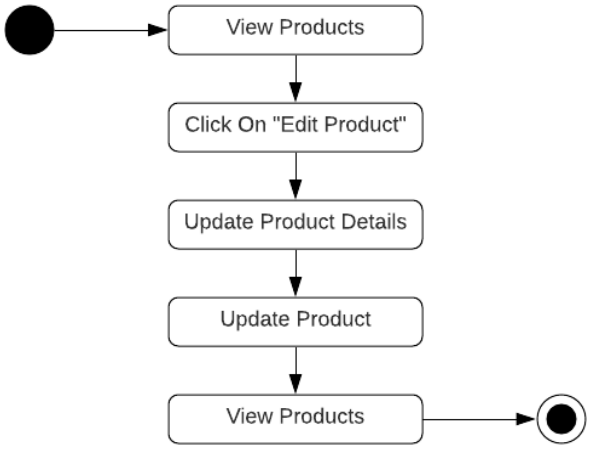

Figure 3.3.4.2: Edit Products

3.3.4.3 Delete Products

Admin can delete the product from the backend if needed.

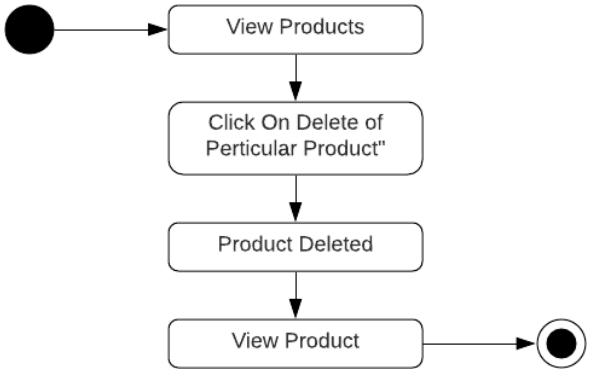

Figure 3.3.4.3: Delete Products

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3.3.5 Add Product in Cart

Customers can add products to the cart if the product is needed to buy.

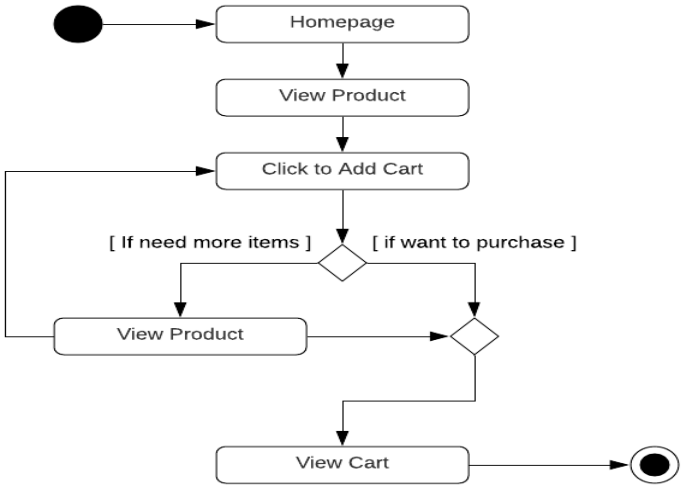

Figure 3.3.5: Add Product In Cart

3.3.5.1 View Cart

Customers can view products in the cart.

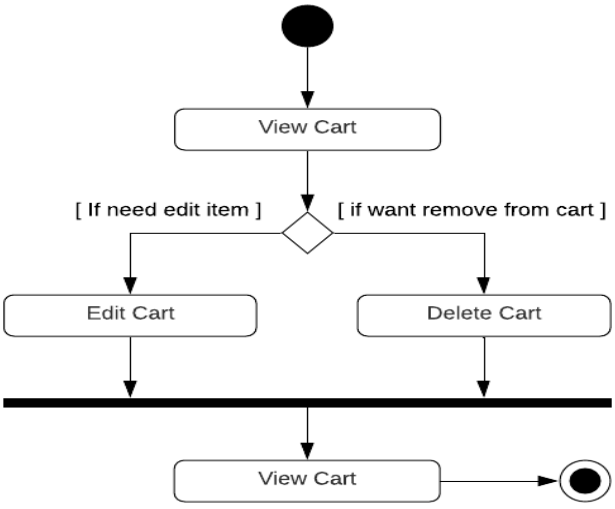

Figure 3.3.5.1: View Cart

© Daffodil International University

3.3.5.2 Delete Product from Cart

Customers can delete the product from the cart if needed by this.

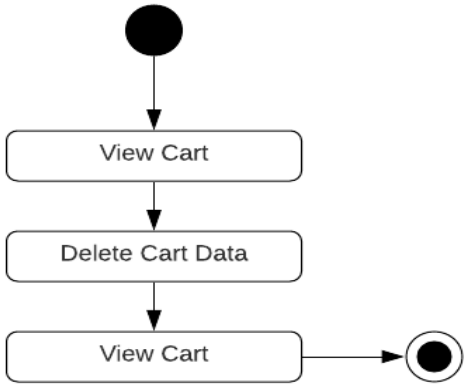

Figure 3.3.5.2 Delete Product from Cart

3.3.5.3 Edit Product from Cart

Customers can edit products to the cart if the product needed to be modified.

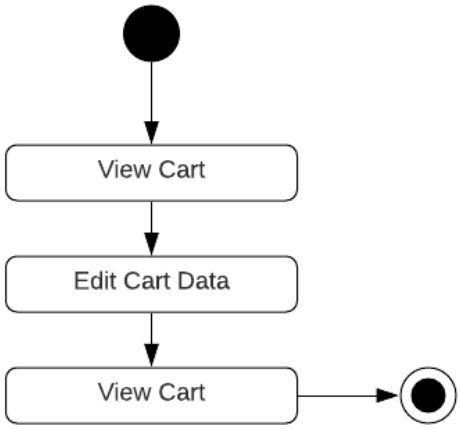

Figure 3.3.5.3 Edit Product from Cart

© Daffodil International University

3.3.6 Place Order

Customers can place an order by press place order.

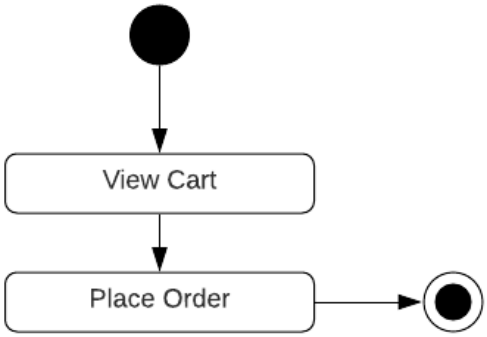

Figure 3.3.5.2 Place Order

3.3.7 Pay for Order

The customer can pay for the order if the order is confirmed by the customer.

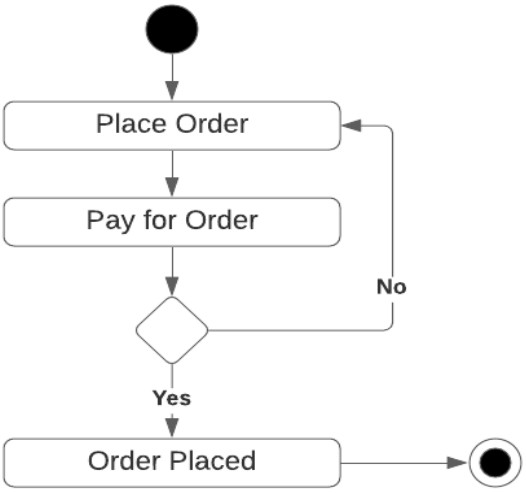

Figure 3.3.7 Pay for Order

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3.3.8 Show Order List

By clicking show order list customers and admin can see the last orders.

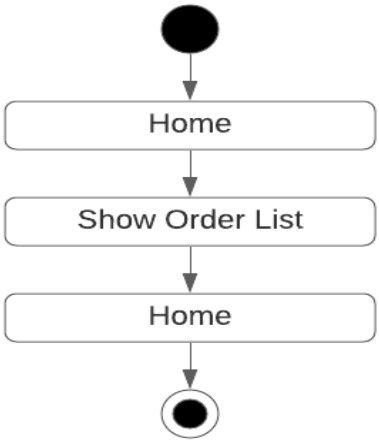

Figure 3.3.5.2 Show Order List

3.3.9 Report Generate

Admin can see the report of the seals.

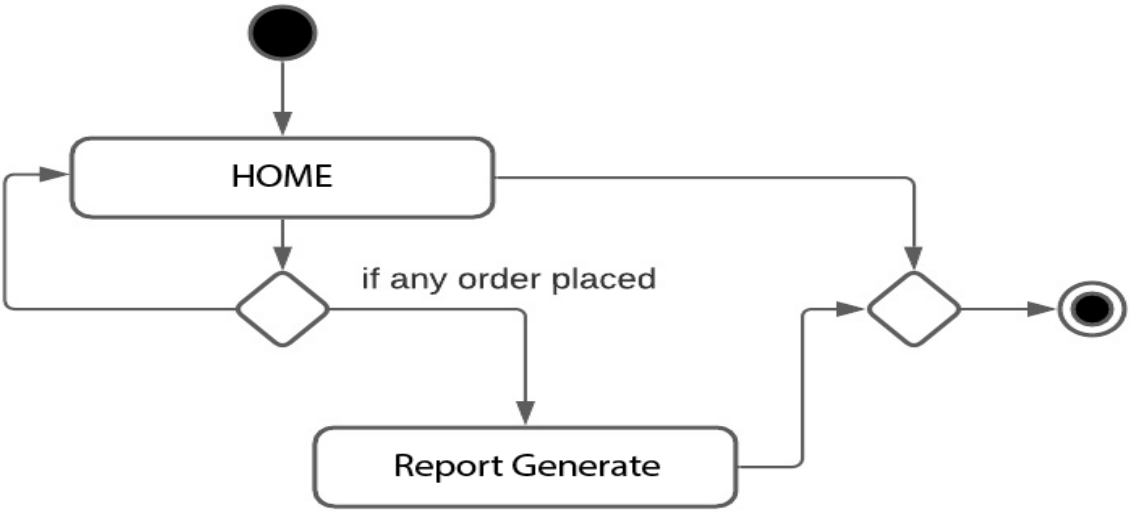

Figure 3.3.5.3 Report Generate

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3.4 Sequence Diagram

In the discipline of software engineering, a sequence diagram depicts object interactions in the temporal order. It represents the scenario's objects as well as the sequence of messages exchanged between them to carry out the scenario's functionality.

3.4.1 Registration

The diagram shows the process of registration. When a customer tries to register, the credentials are saved to the database and give feedback to the customer.

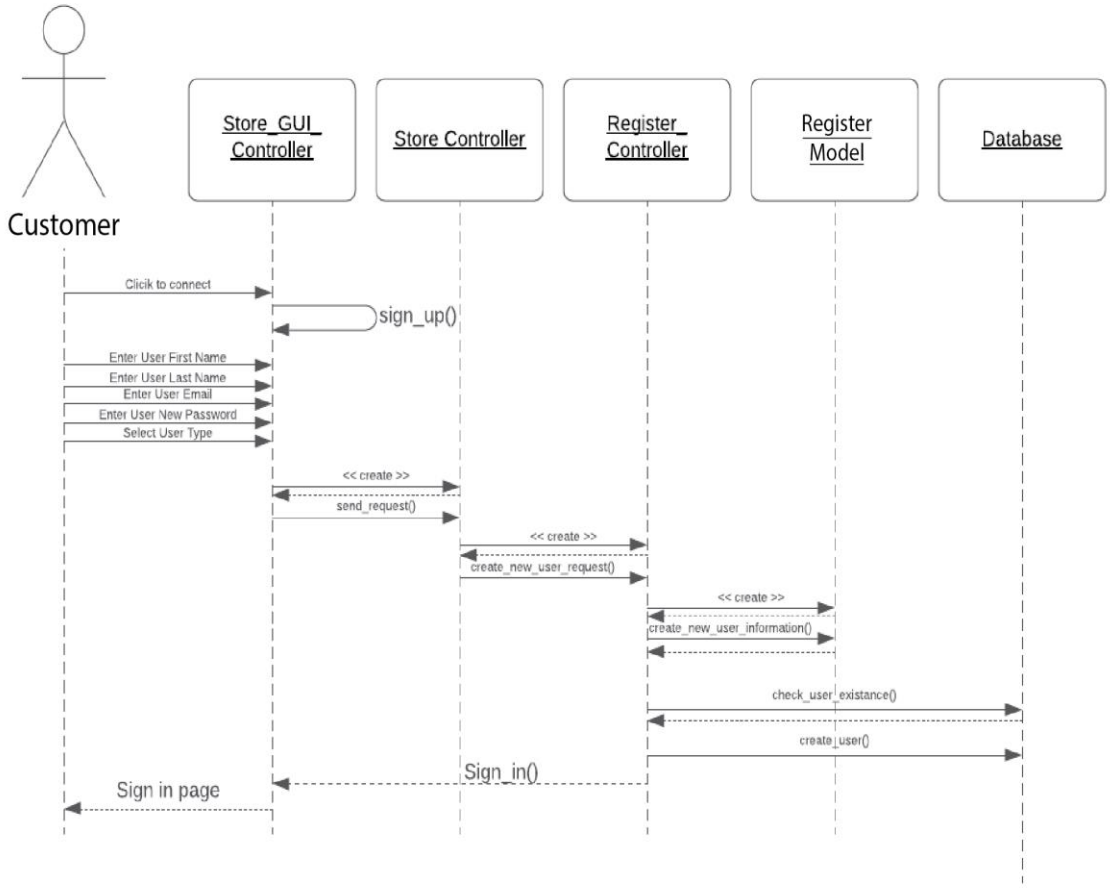

Figure 3.4.1 Registration

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3.4.2 Login

The diagram shows the process of login. When a user will try to log in to the system then it will check the data from the data of the database and if the data are matched only then the user can log in to the system.

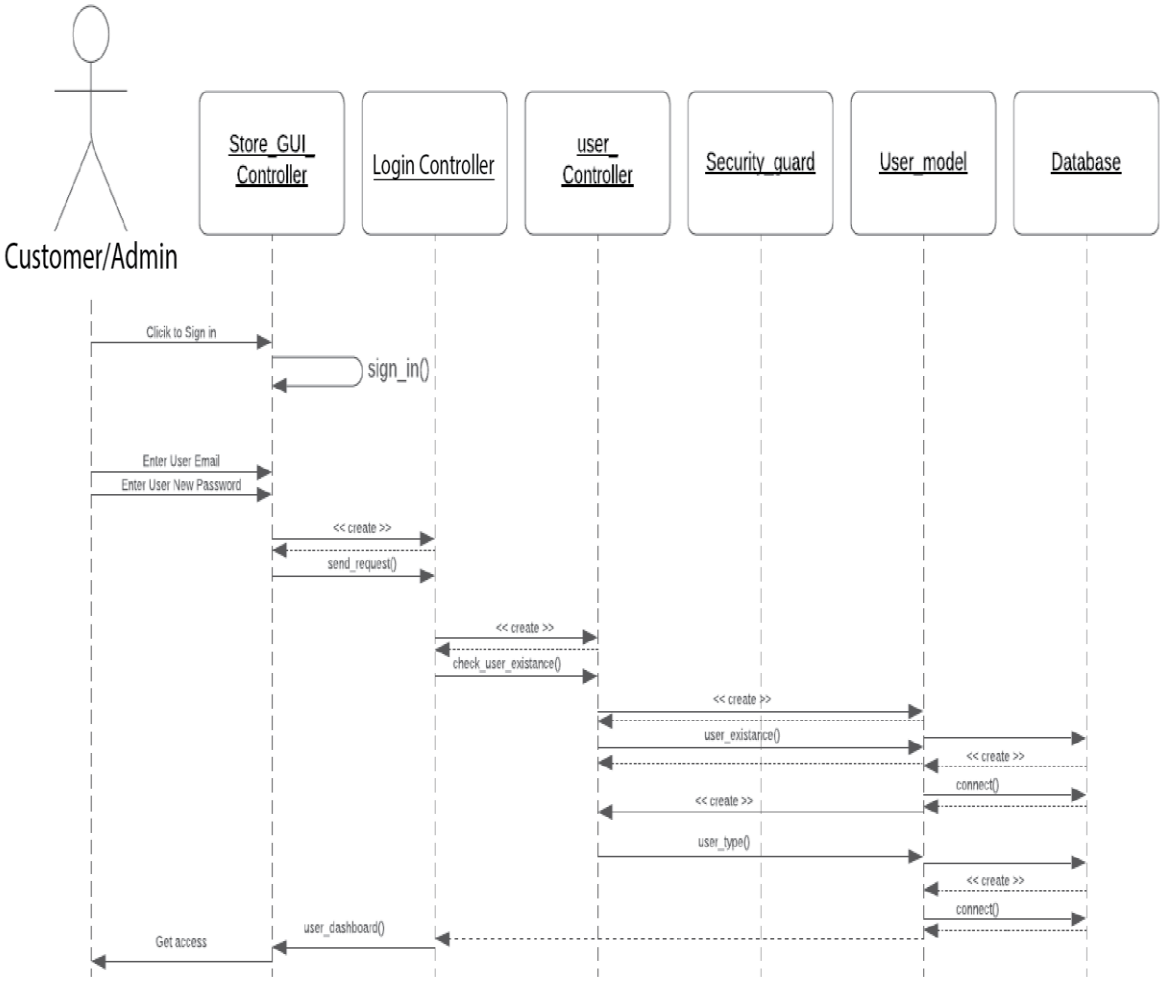

Figure 3.4.2 Login

© Daffodil International University

3.4.3 View Products

The diagram shows the process of viewing the product. When the users want to show the product it will get the product data from the database to show products.

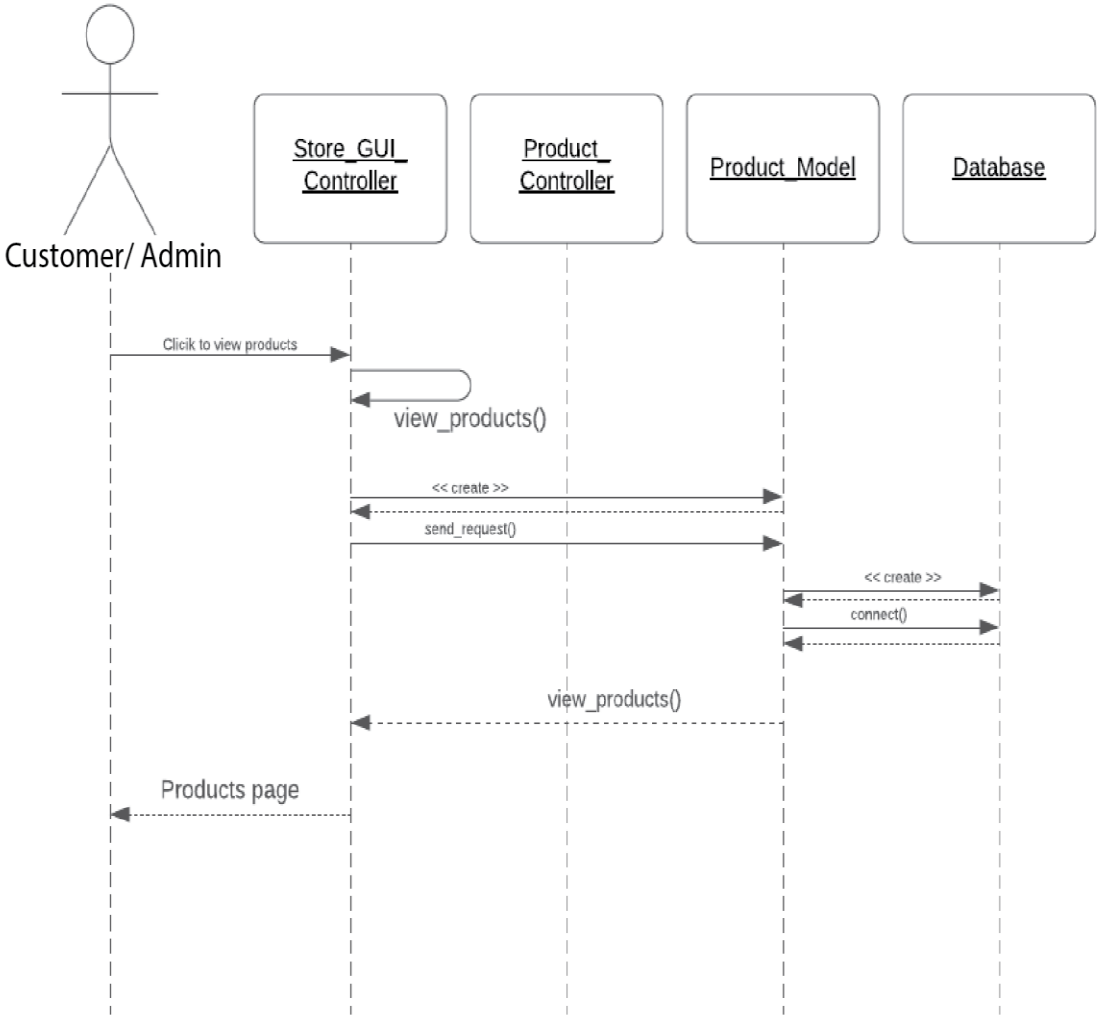

Figure 3.4.3 View Products

© Daffodil International University

3.4.4.1 Add Product

The diagram shows the process of adding products. When the admin wants to add a product then it will add the product data to the database and will give a notification.

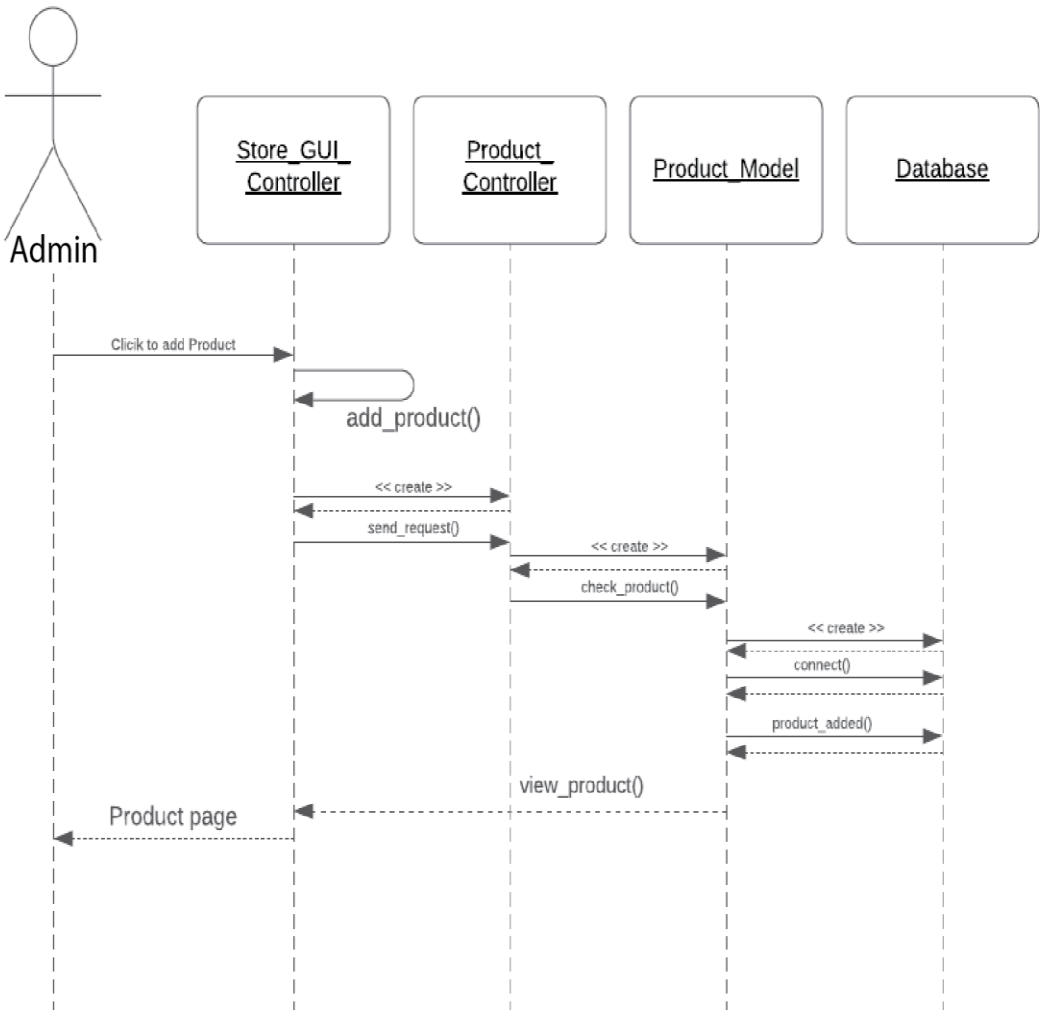

Figure 3.4.4.1 Add Product

© Daffodil International University

3.4.4.2 Edit Product

The diagram shows the process of editing the product. If something wrong with a product it is the process to fix the product by editing.

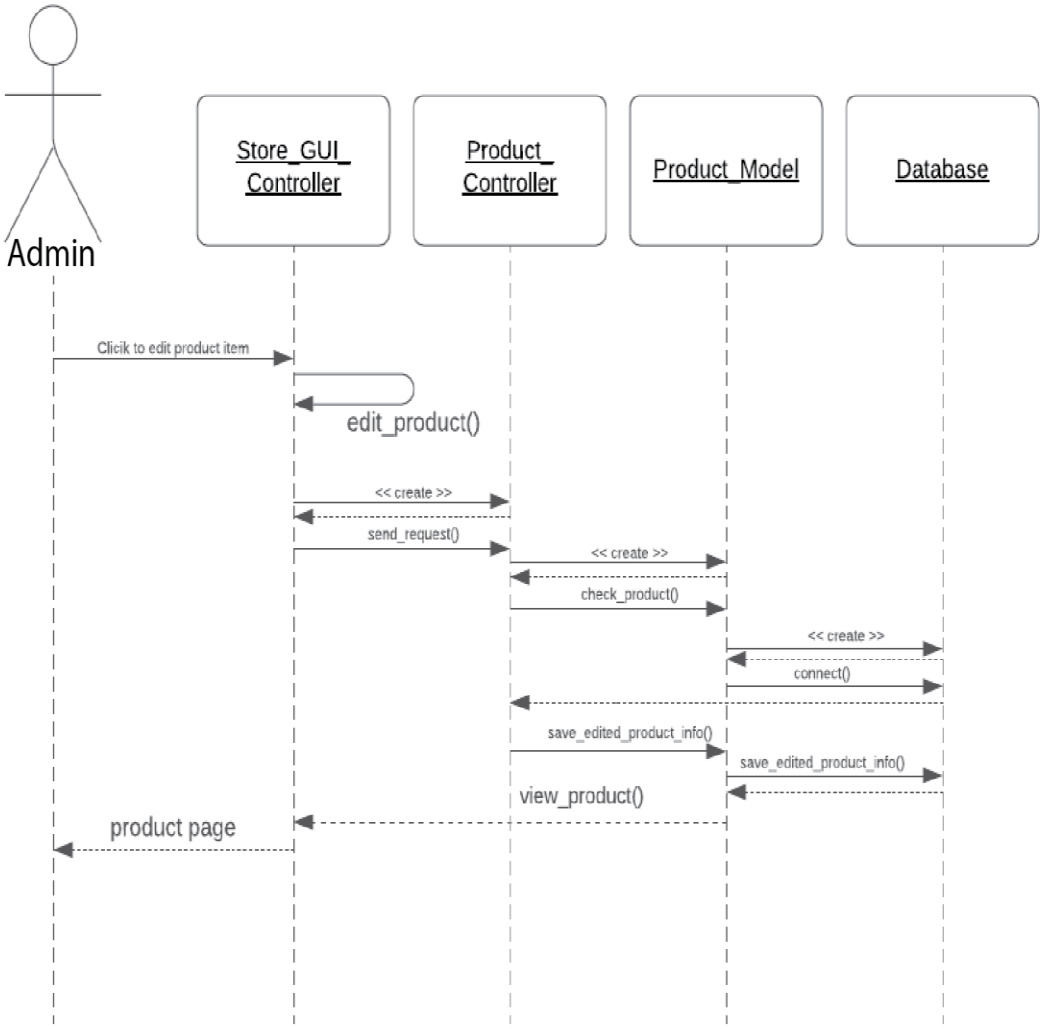

Figure 3.4.4.2 Edit Product

© Daffodil International University

3.4.4.3 Delete Products

The diagram shows the process of deleting the product. If a product needs to delete, then the process will delete the product.

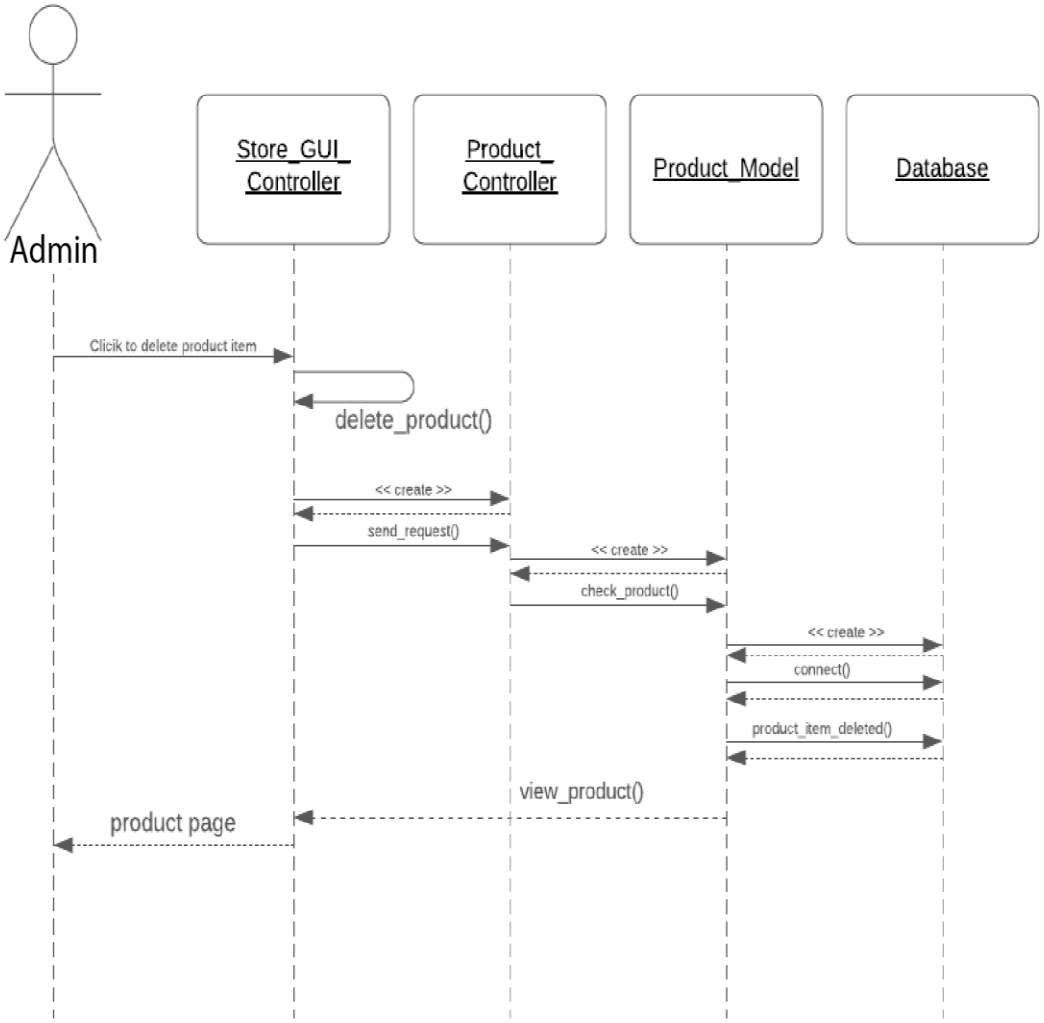

Figure 3.4.4.3 Delete Product

© Daffodil International University

3.4.5 Add Product in Cart

The diagram shows the process of adding products to the cart. If a customer needs to add a product to add in the cart, then the customer can easily do it by this process.

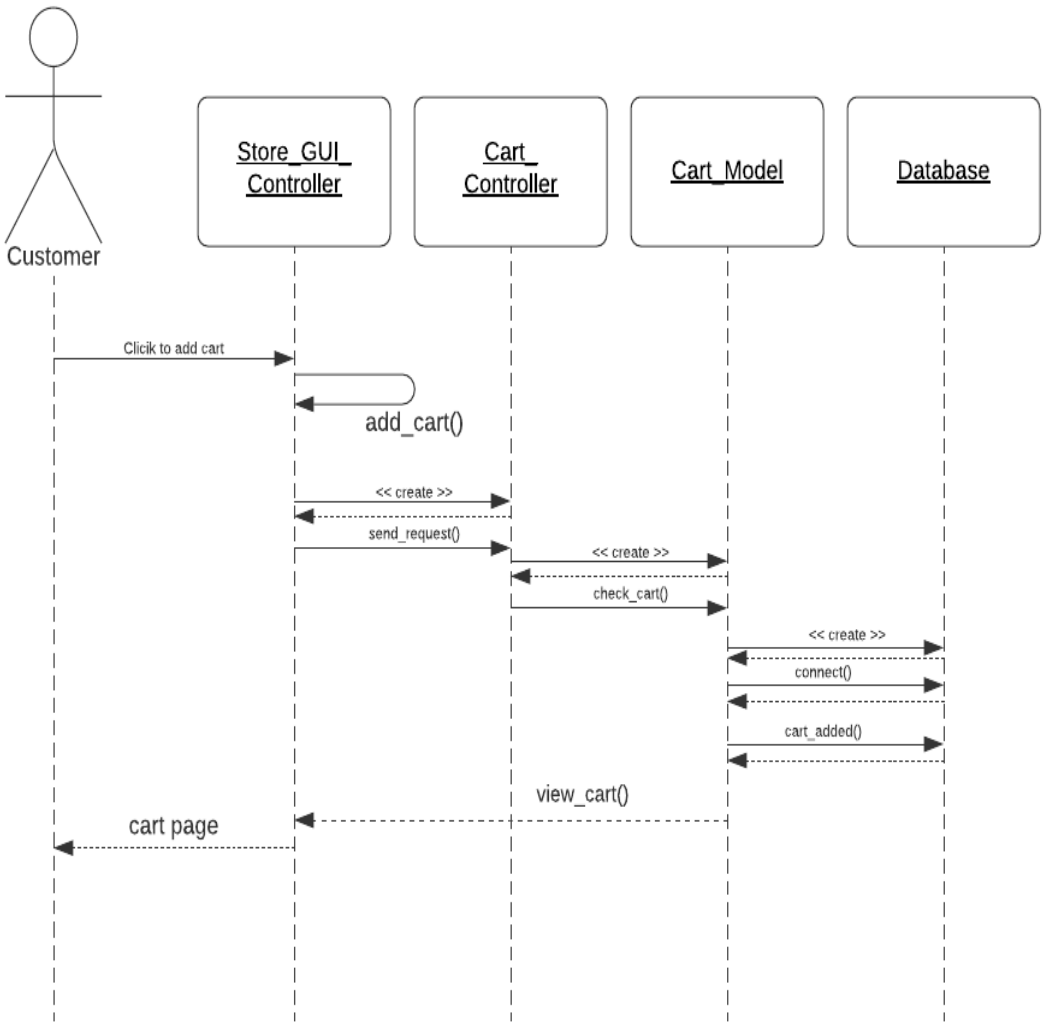

Figure 3.4.5 Add Product In Cart

© Daffodil International University

3.4.5.1 View Cart

The diagram shows the process of the view cart. When a customer will view a product in a cart. He will go through this process.

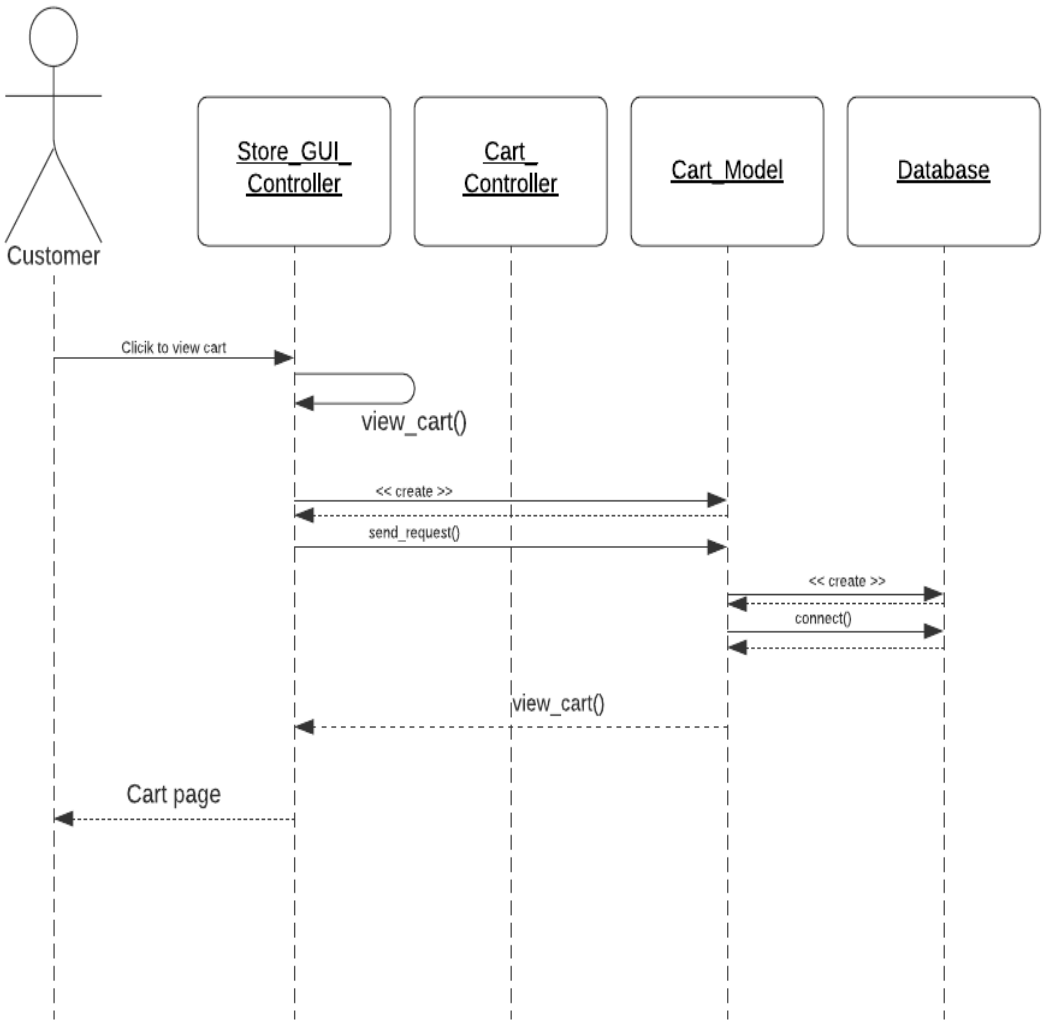

Figure 3.4.5.1 View Cart

© Daffodil International University

3.4.5.2 Delete Product from Cart

The diagram shows the process of deleting products from the cart. When a customer will view the product in the cart and needed to remove a product. Then customer will go through this process.

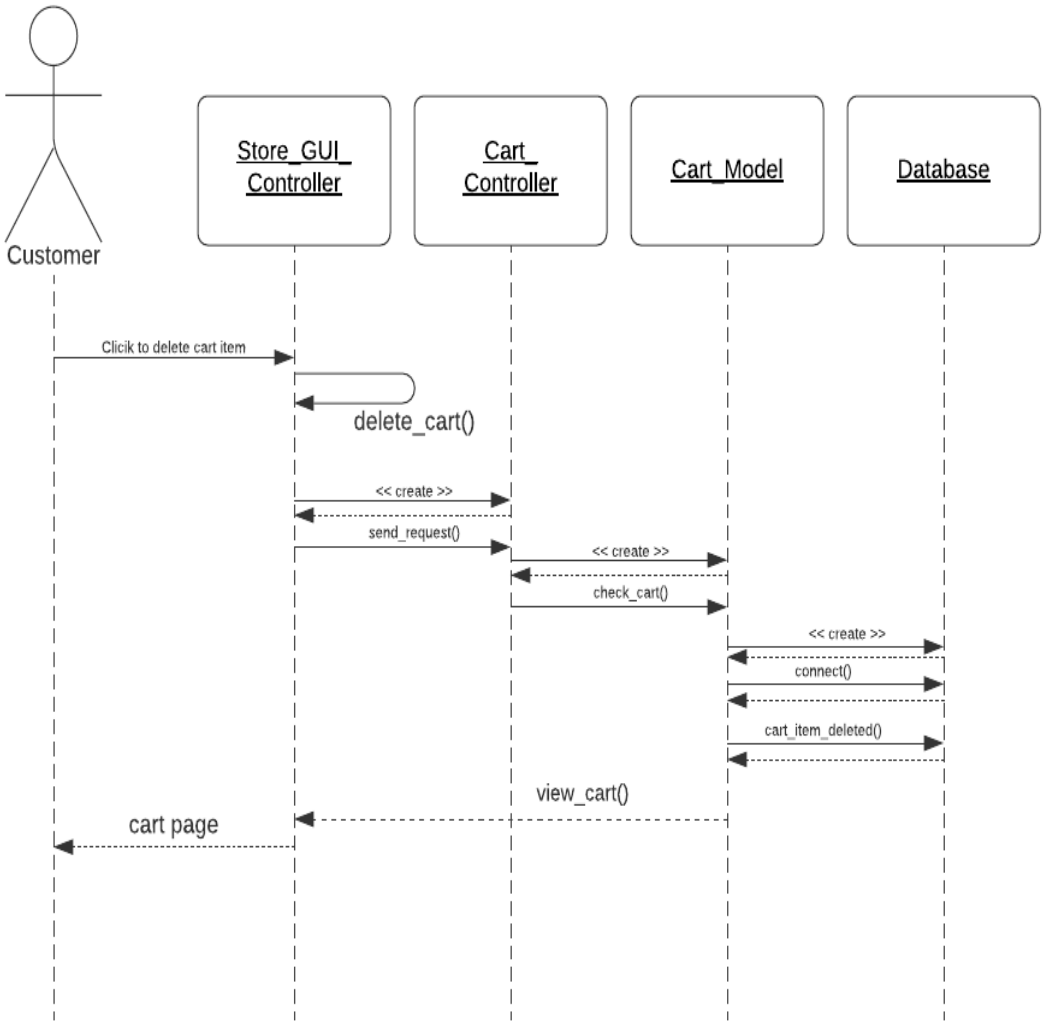

Figure 3.4.5..2 Delete Product From Cart

© Daffodil International University

3.4.5.3 Edit Product from Cart

The diagram shows the process of editing products from the cart. When a customer will view products in a cart and need to modify a product. Then customer will go through this process.

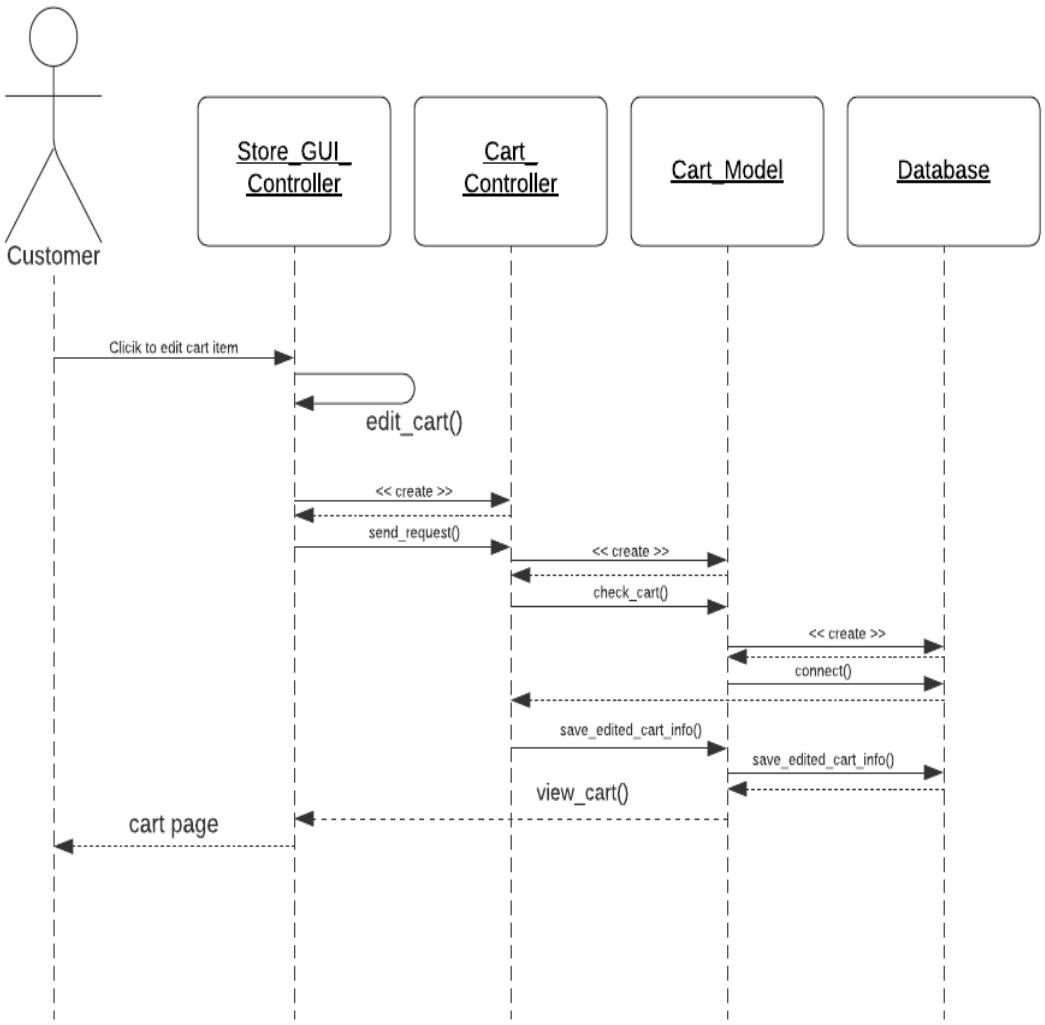

Figure 3.4.5.3 Edit Product from Cart

© Daffodil International University

3.4.6 Place Order

The diagram shows the process of the place order process. When a customer will view a product in cart and needed purchase. Then customer will go through this process.

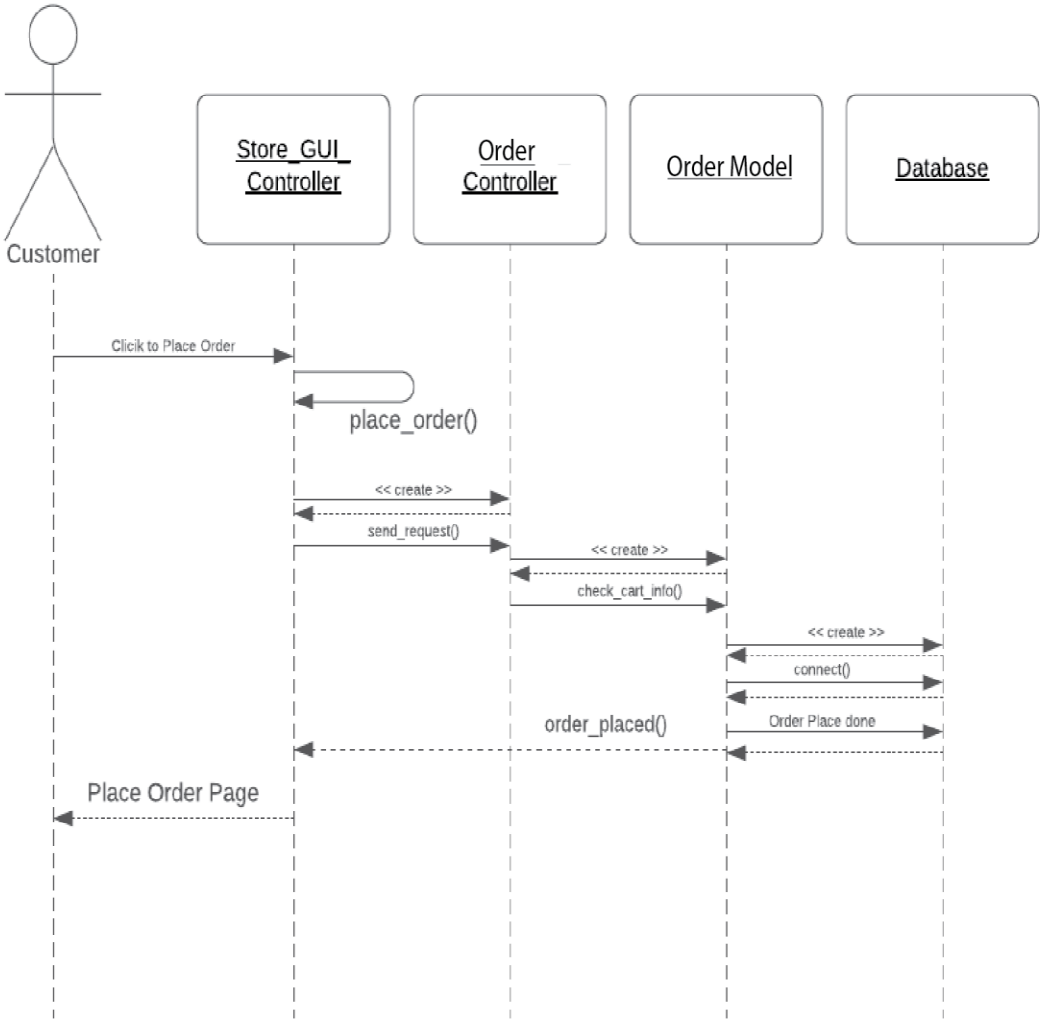

Figure 3.4.6 Place Order

© Daffodil International University

3.4.7 Pay for Order

The diagram shows the process of payment for the order process. When a customer will view a product in cart and needed purchase and payment. Then customer will go through this process

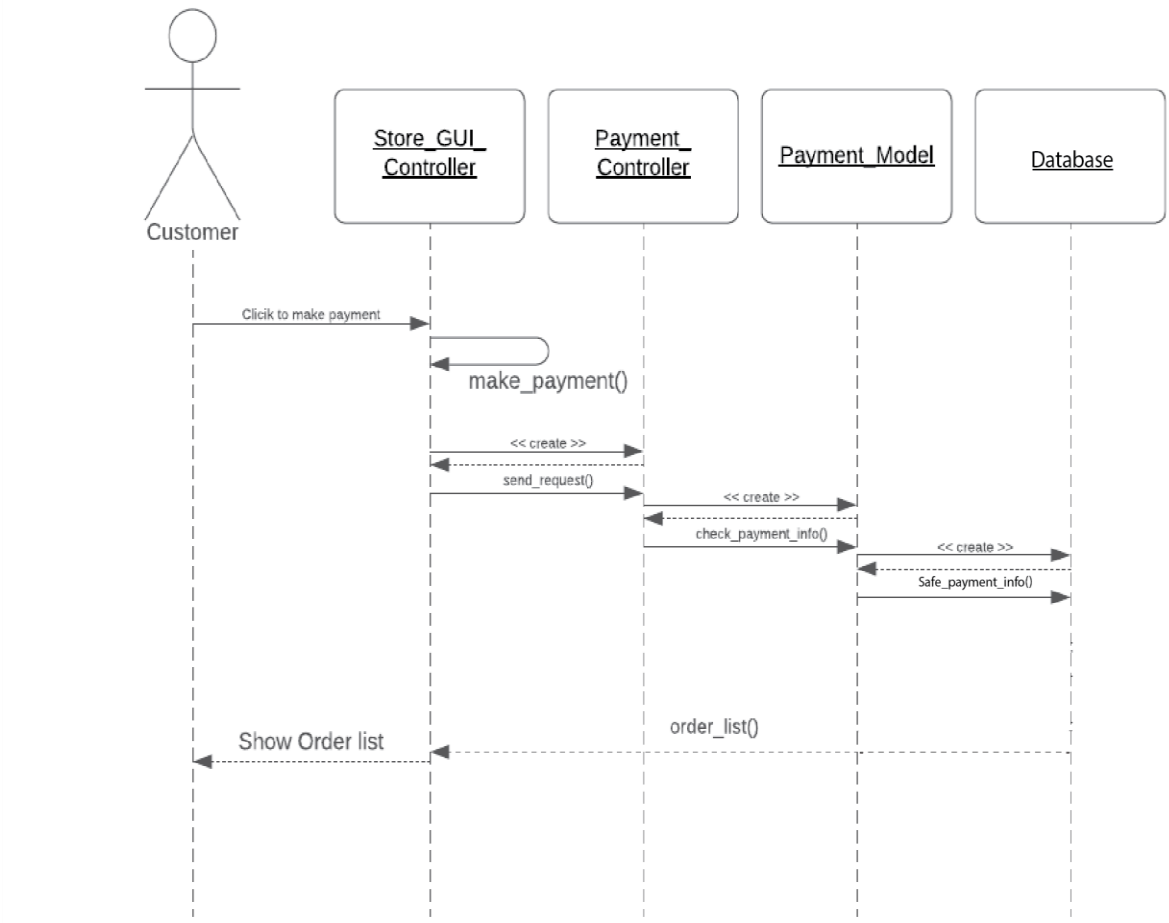

Figure 3.4.7 Pay for Order

© Daffodil International University

3.4.8 Show Order List

The diagram shows the process of showing the order list. When admin and customer need to show the order list then they will go through this process.

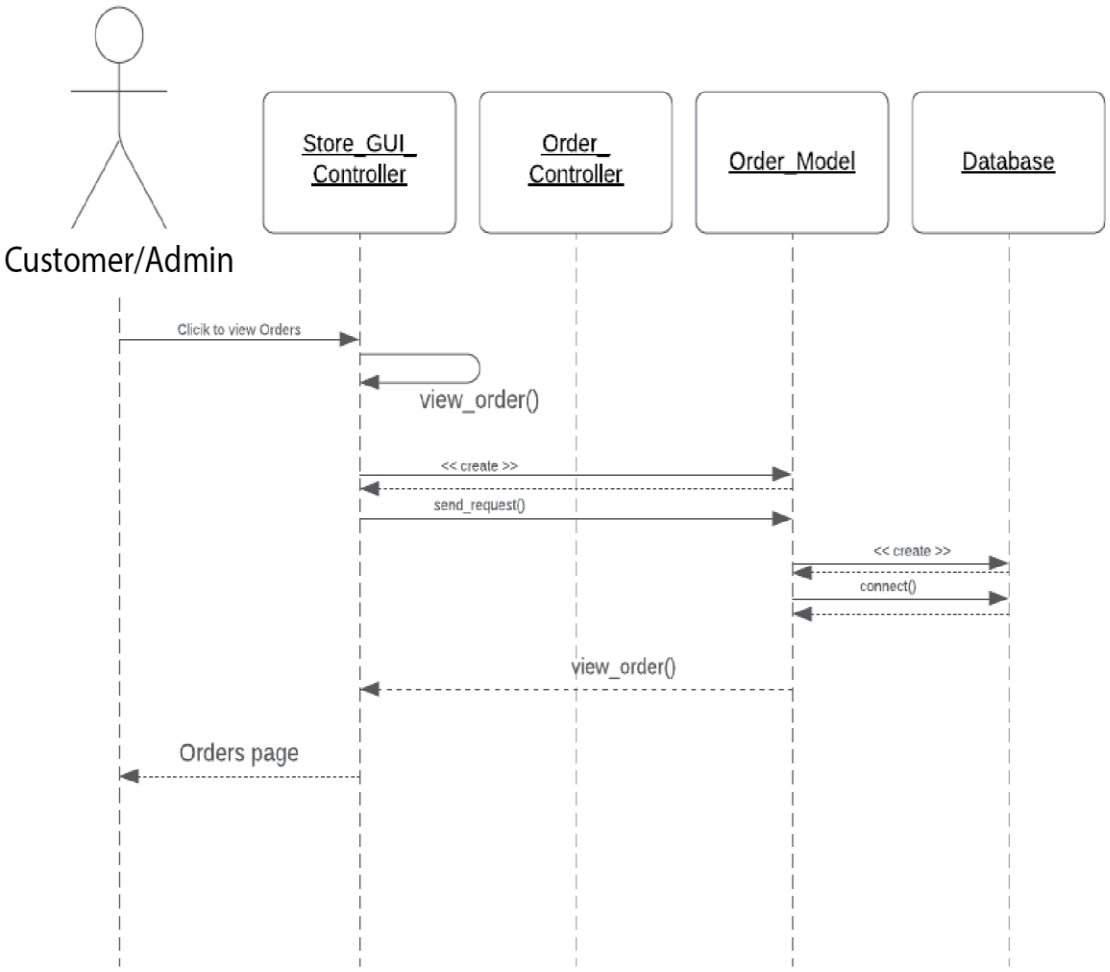

Figure 3.4.8 Show Order List

© Daffodil International University

3.4.9 Report Generate

The diagram shows the process of generating the report. Admin can see this by this process from the database.

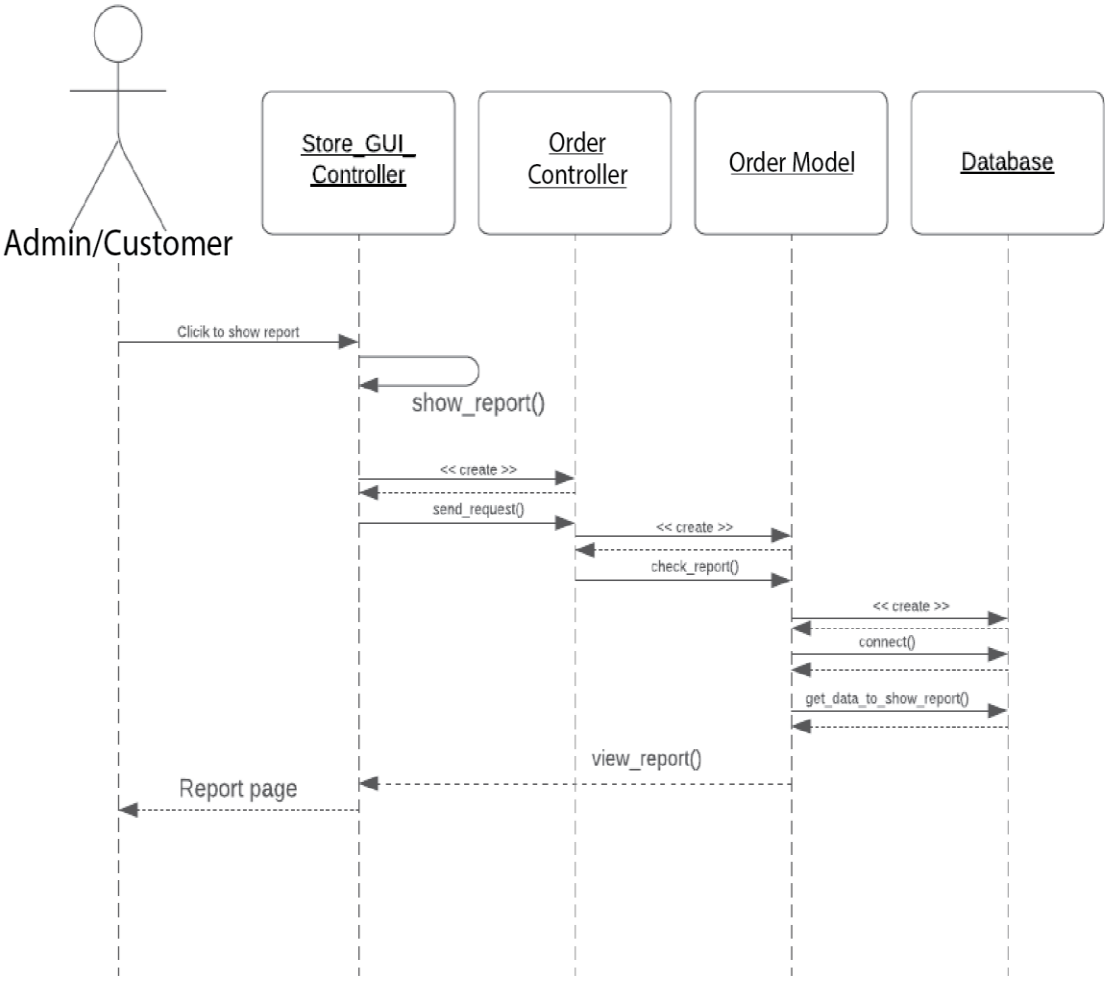

Figure 3.4.9 Report Generate

© Daffodil International University

3.5 Entity Relationship Diagram

With the use of a diagram known as the Entity Relationship Diagram, an entity-relationship model (ER model) depicts the structure of a database (ER Diagram). An ER model is a database architecture or blueprint that may be implemented as a database later (dbdesigner, 2021).

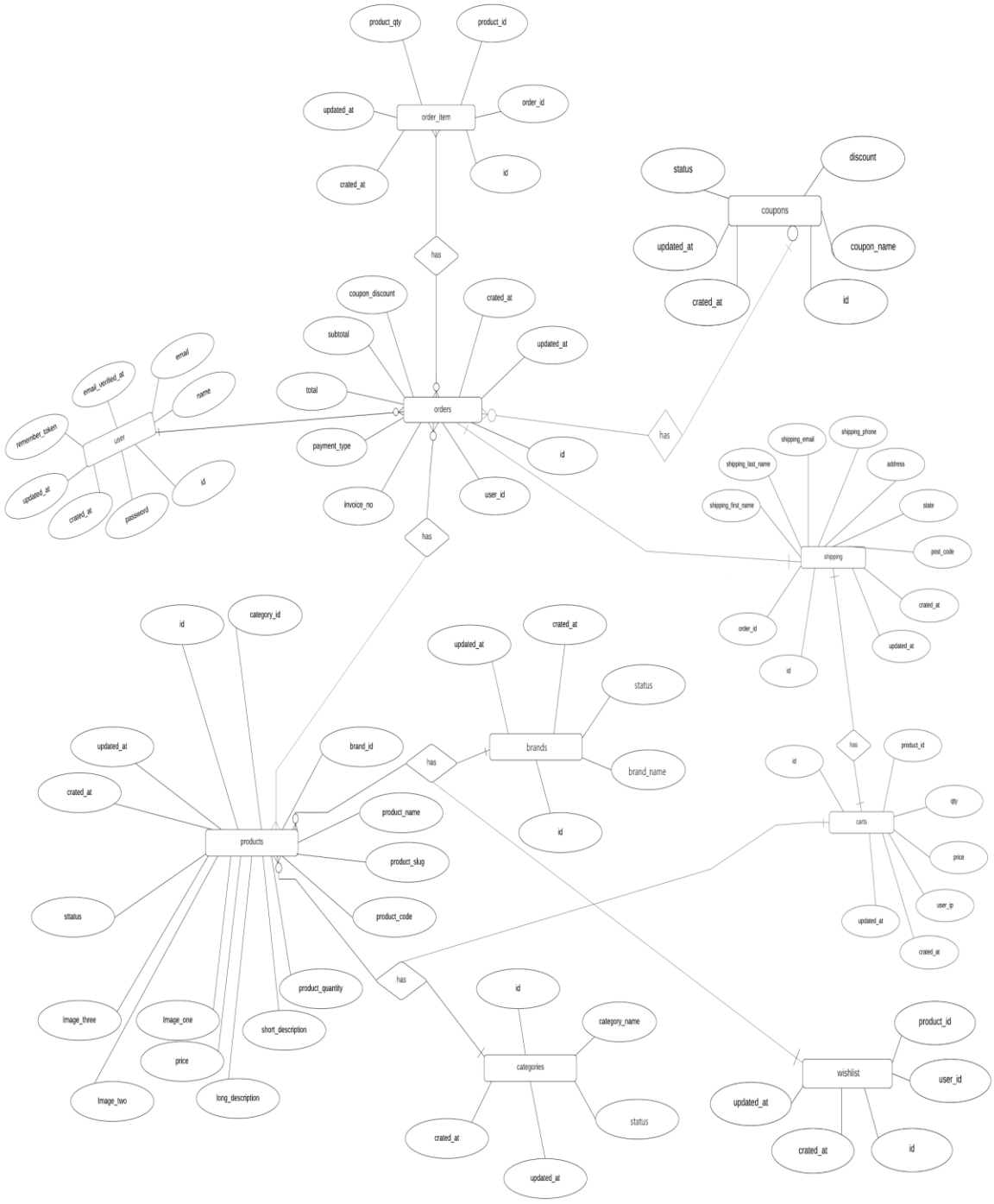

Figure 5.1: Entity Relationship Diagram

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CHAPTER 4: SYSTEM TESTING

4.1 Feature Testing

The goal of feature testing is to add or change new functionality to an existing system. Each feature and function has its own set of characteristics. These are intended to improve the online application's usability, reliability, effectiveness, and security.

4.1.1 Features to be tested

Features	Priority	Description
Registration	1	User data must be saved correctly.
Log In	1	The user must be properly authenticated.
Log Out	2	The token must be appropriately destroyed.
Product Entry	1	The product must be properly stored.
Add to Cart	1	It is necessary to add the product to the cart
Modify Cart	1	Important to edit the cart for modifications.
Wish list	2	Important for selecting a product in future.
Payment	1	It is necessary to make payment for the order.
Here, 1 = High Priority, 2 = Medium Priority, 3 = Low Priority		

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4.2 Testing strategies

The method of testing in a project is determined by the testing strategy. First, I'll check that requirement, and then I'll double-check that requirement to see whether it's accurate. It's also a barometer for the number of tests that need to be run throughout the software development life cycle. Keep the program running, and I'll walk you through a few testing steps. First, I performed functional testing, followed by unit testing, integration testing, system testing, and finally acceptance testing.

4.2.1 Test Approach

To assure the quality of my system, I use two different forms of testing. Functional and structural testing are included in these two testing techniques.

- Black Box Testing, also known as functional testing, is testing that ignores a system's or component's internal mechanisms and focuses entirely on the outputs.

- White box testing is a type of testing that examines a system's or component's internal mechanisms.

4.2.2 Pass/Fail Criteria

For unit testing, I established some pass/fail criteria. I created pass/fail criteria based on whether or not the input data worked. The data that is worked is deemed a pass, while the rest is regarded as a failure.

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4.2.3 Testing Schedule

Test Phase	Time
Testing plan creation	1 week
Unit Testing	During development time
Component test	During development time
Integration testing	4 days
UI testing	3 days
Load testing	1 week
Performance testing	1 week
Accessibility testing	1 week

4.3 Test Cases

Test cases are used by testers to determine whether a system is capable of performing well under test conditions.

4.3.1 Registration

Test case # 1	**Test case name**: Registration
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21
Short description: If the user information is valid, the system will store it.	

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Pre-conditions: Must have a stable internet connection					
Step	**Email**	**Password**	**Expected result**	**Pass/Fail**	**Comment**
1	mahirshahriar10@gmail.com	11111111	Information about users must be stored.	Pass	
2			A message must be received by the user (All fields must be filled)	Pass	
3	mahirshahriar10@gmail.com	11111111	An error message must be displayed to the user (User already registered)	Pass	
Post-conditions: The user will have a successfully registered or failed message					

4.3.2 Log In

Test case # 2	**Test case name**: Log In
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21
Short description: System will retrieve and return an access token	
Pre-conditions: ● User must be registered. ● Must have a stable internet connection	

Stop	**Email**	**Password**	**Expected result**	**Pass/Fail**	**Comment**
1	mahirshahriar10@gmail.com	11111111	The user must be routed to their profile.	Pass	

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2			A message must be received by the user (All fields must be filled)	Pass	
3	mahirshahriar10@gmail.com	11111111	An error message must be displayed to the user (Invalid Credentials)	Pass	
Post-conditions: The user will have to be redirected to the workspace list page					

4.3.3 Log Out

Test case # 3	**Test case name**: Log Out
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21
Short description: If the user wants to log out, he or she will select the logout button and click it.	
Pre-conditions: ● Must have a stable internet connection. ● Must be login.	

Stop	**Action**	**Response**	**Pass/Fail**	**Comment**
1	From the dropdown menu, select logout. You have successfully logged out.	Logout Successful	Pass	
2	After logging out, return to the page and refresh it.	Redirect to login page	Pass	
Post-conditions: It will destroy the session.				

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4.3.4 Product Entry

Test case # 3	**Test case name**: Product Entry
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21

Short description: Admin will add the product from the Admin dashboard panel. So that users can see the products.

Pre-conditions:
- Must have a stable internet connection.
- Must be login as Admin.

Stop	Action	Response	Pass/Fail	Comment
1	Have to give them all right input of a product. Otherwise, it will fail to add products.	Product Add	Pass	
2	If there any field empty	Redirect to the product add page	Pass	

Post-conditions: Product added.

4.3.5 Add to Cart

Test case # 3	**Test case name**: Add to Cart
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21

Short description: Customer will add products to the cart for the order.

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Pre-conditions: ● Must have a stable internet connection. ● Must be login as a User.				
Stop	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Click add to cart for adding product to the Cart	Product Add	Pass	
2	The cart can contain multiple products	Multiple products added	Pass	
Post-conditions: Product added to cart.				

4.3.6 Modify Cart

Test case # 3		**Test case name**: Modify Cart		
System: Islamic Store		**Subsystem**: N/A		
Designed By: Mahir Shahriar		**Designed Date**: 02/12/21		
Executed by: Mahir Shahriar		**Executed Date**: 03/12/21		
Short description: Customer will modify products from the cart for the order.				
Pre-conditions: ● Must have a stable internet connection. ● Must be login as a User.				
Stop	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Click for adjusting the quantity of a particular product	Product Add	Pass	
Post-conditions: Product modified into the cart.				

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4.3.7 Update Cart

Test case # 3	**Test case name**: Add to Cart
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21
Short description: Customer will add products to the cart for the order.	
Pre-conditions: ● Must have a stable internet connection. ● Must be login as a User.	

Stop	Action	Response	Pass/Fail	Comment
1	Click add to cart for adding product to the Cart	Product Add	Pass	
2	The cart can contain multiple products	Multiple products added	Pass	

Post-conditions: Product added to cart.

4.3.8 Wish List

Test case # 3	**Test case name**: Wish List
System: Islamic Store	**Subsystem**: N/A
Designed By: Mahir Shahriar	**Designed Date**: 02/12/21
Executed by: Mahir Shahriar	**Executed Date**: 03/12/21
Short description: Customer will add products into wishlist to think in future.	
Pre-conditions: ● Must have a stable internet connection.	

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● Must be login as a User.				
Stop	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Click wishlist to for adding a product to the wishlist	Product Add to wishlist	Pass	
2	The cart can contain multiple products	Multiple products added	Pass	
Post-conditions: Product added to cart.				

4.3.8 Payment

Test case # 3		**Test case name**: Payment		
System: Islamic Store		**Subsystem**: N/A		
Designed By: Mahir Shahriar		**Designed Date**: 02/12/21		
Executed by: Mahir Shahriar		**Executed Date**: 03/12/21		
Short description: Customers will pay for their orders.				
Pre-conditions: ● Must have a stable internet connection. ● Must be login as a User. ● Must be purchase products from the website.				
Stop	**Action**	**Response**	**Pass/Fail**	**Comment**
1	Click to payment	Payment done	Pass	
Post-conditions: Payment done for the product.				

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CHAPTER 5: USER MANUAL

5.1 Admin

5.1.1 Admin Login

Admin can add product and will have all the access after successfully logging as admin in with the necessary credentials.

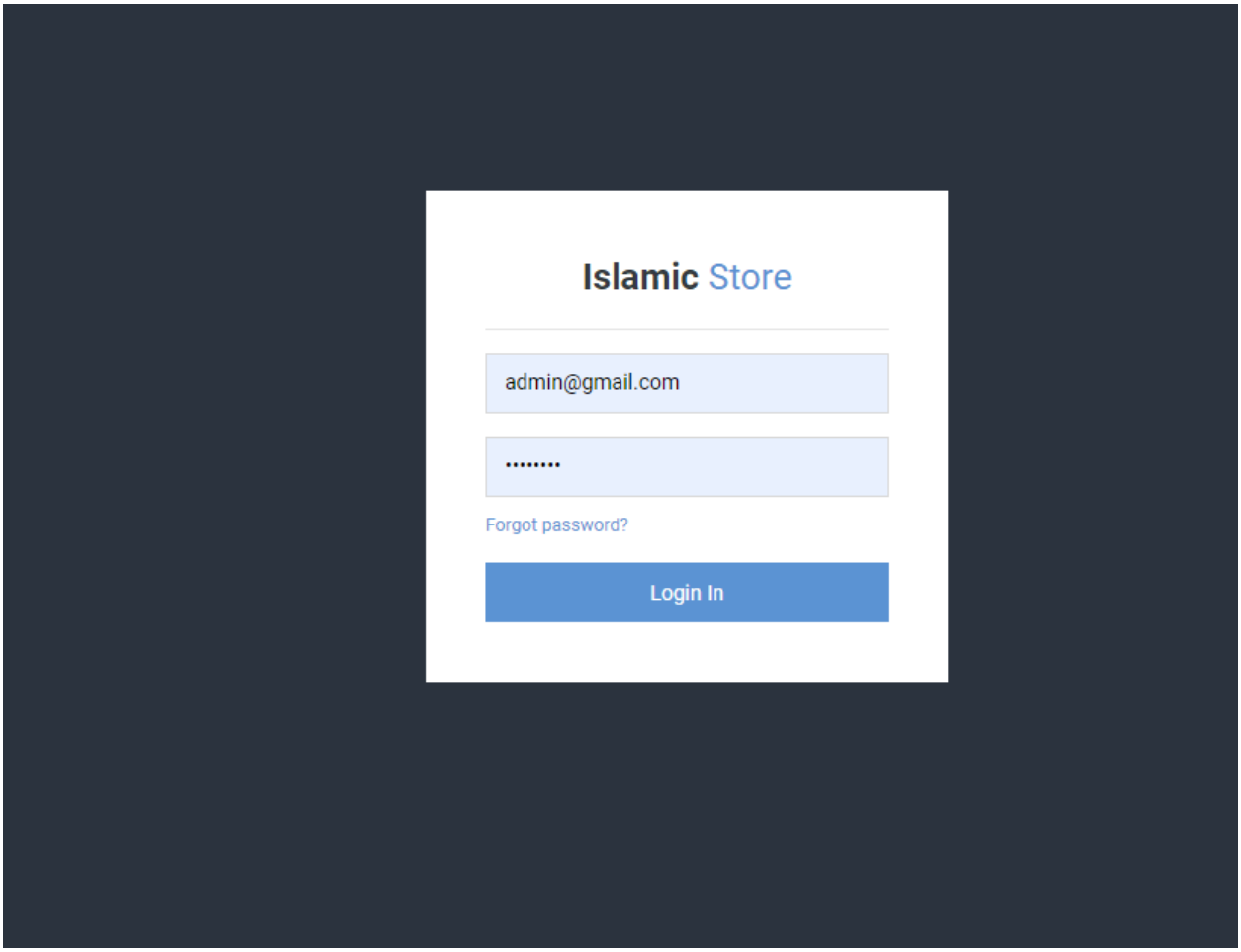

Figure 5.1.1: UI: Admin Login

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5.1.2 Dashboard

From here, Admin can see the dashboard after successfully logging in to the system. In Dashboard their admin sees the total number of orders first. After that, he can see the total sales just behind the total order. Next, there is a tax option where the taxes are showing which need to pay. After that, the last option is income after tax where the admin can see the total income.

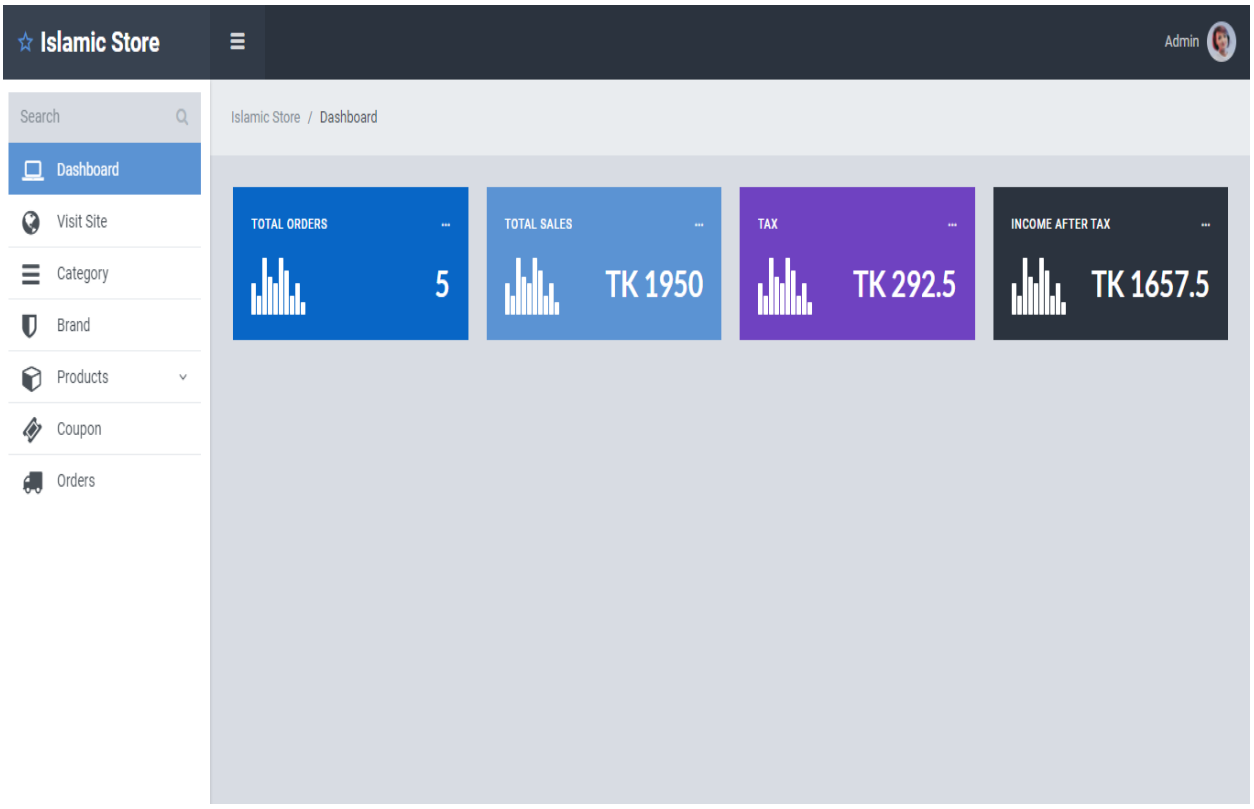

Figure 5.1.2: UI: Dashboard

© Daffodil International University

5.1.3 Insert Category

Admin can add a category by login into the admin profile with the necessary credentials.

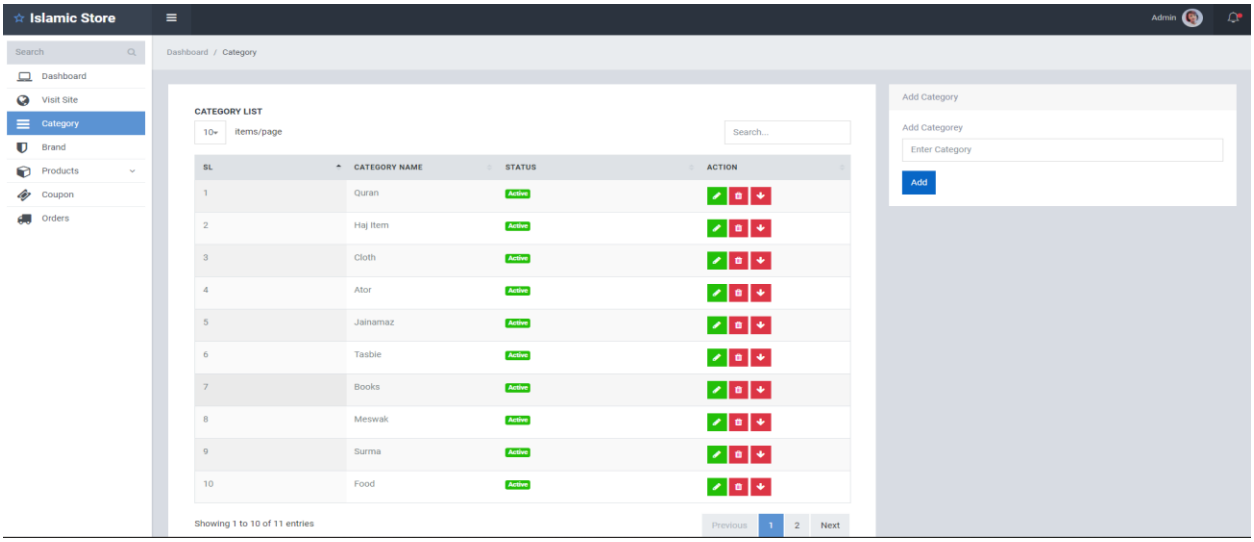

Figure 5.1.3: UI: Insert Category

5.1.4 Insert Brand

Admin can add a Brand name by login into the admin profile with the necessary credentials.

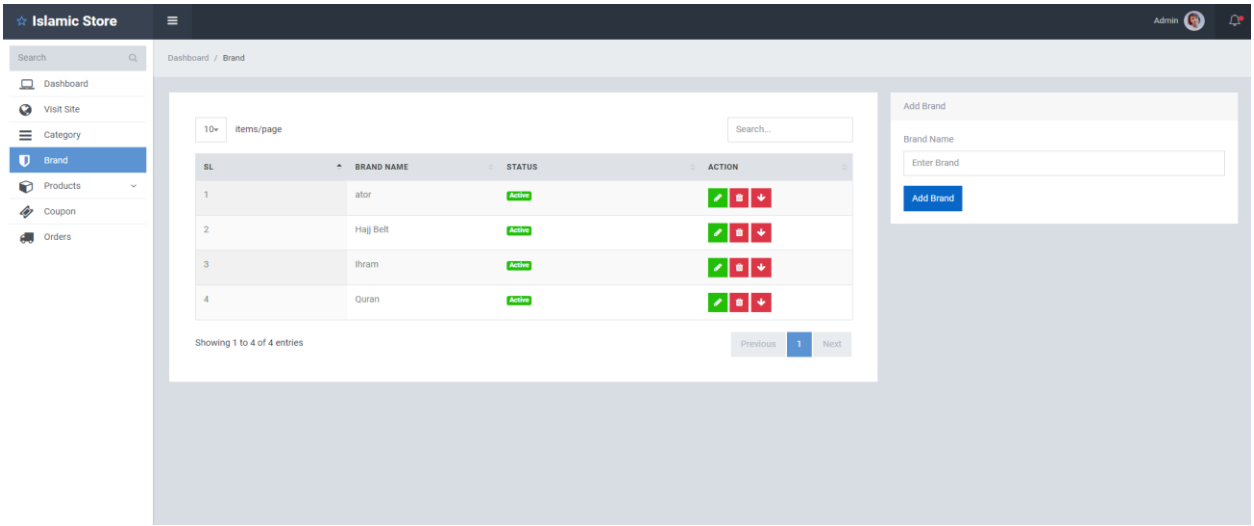

Figure 5.1.4: UI: Insert Brand

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5.1.5 Insert Products

Admin can add products by login into the admin profile with the necessary credentials.

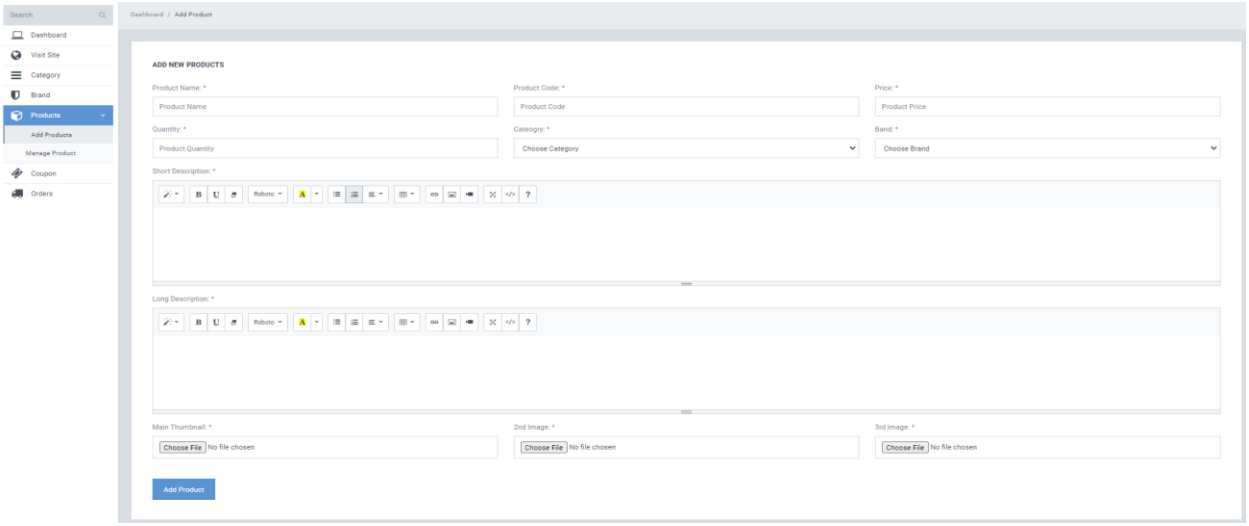

Figure 5.1.5: UI: Insert Products

5.1.6 Manage Products

Admin can Manage products by login into the admin profile.

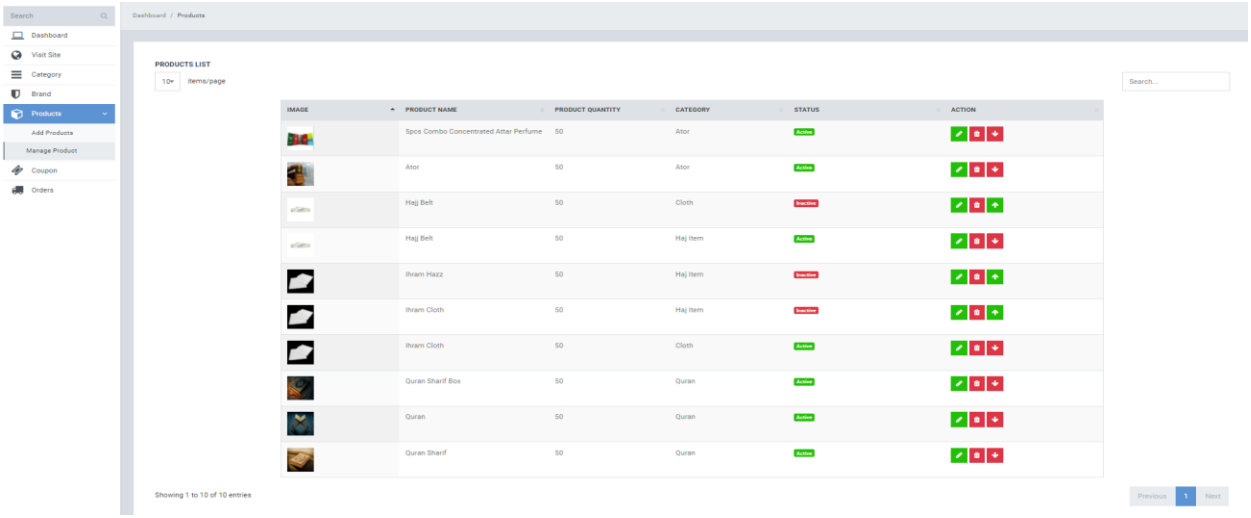

Figure 5.1.6: UI: Manage Products

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5.1.7 Insert Coupon

Admin can add Coupon and will have all the access after successfully logging as admin in with the necessary credentials for discount.

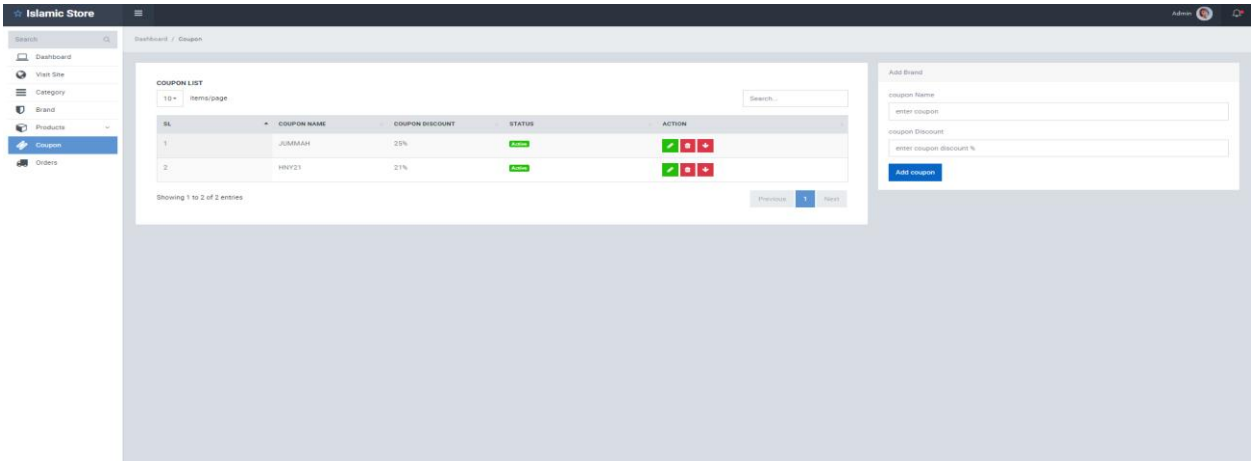

Figure 5.1.7: UI: Insert Coupon

5.1.8 Show Order list

Admin can show the order list and can provide the item to the customer.

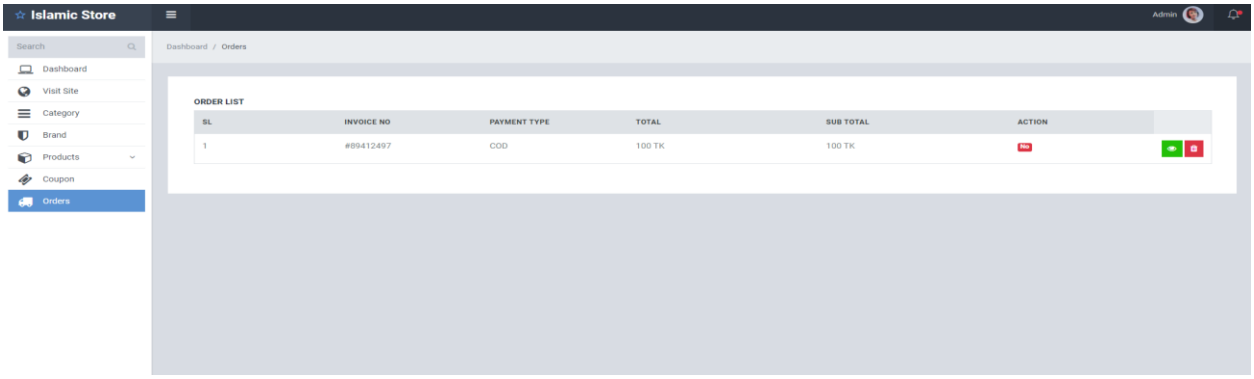

Figure 5.1.8: UI: Show Order list

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5.2 Customer

5.2.1 Customer Profile

The customer sees their profile orders and all the necessary information here.

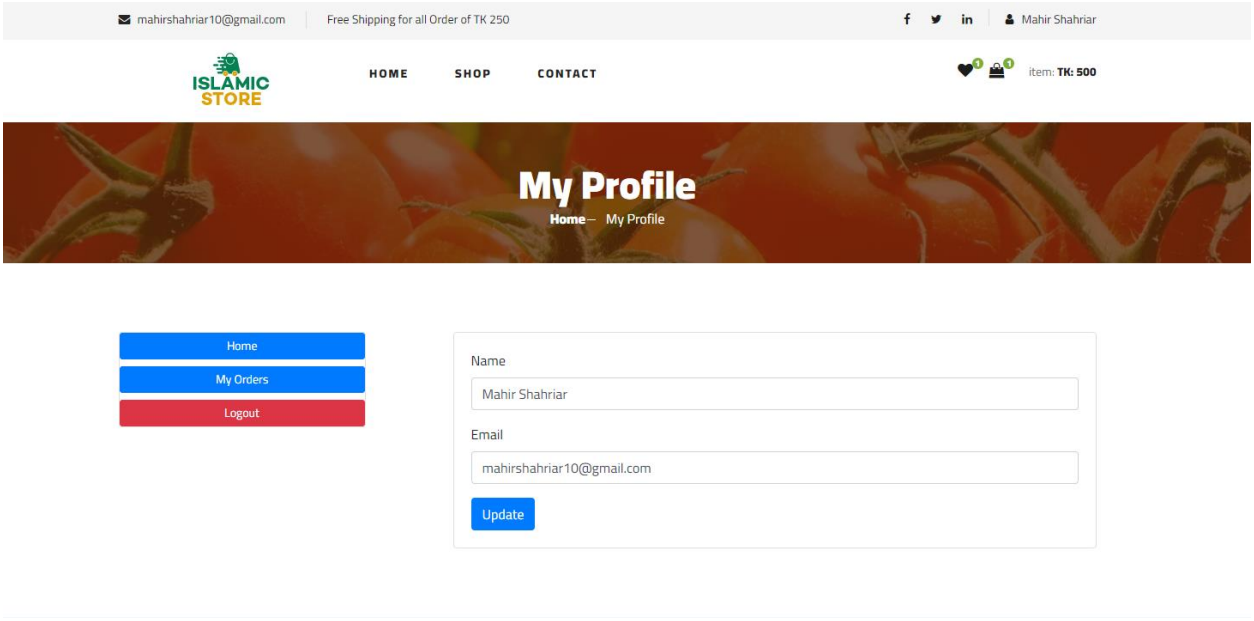

Figure 5.2.1: UI: Customer Profile

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5.2.2 Homepage

The user will go to the URL and can show the homepage. (flaticon, 2021)

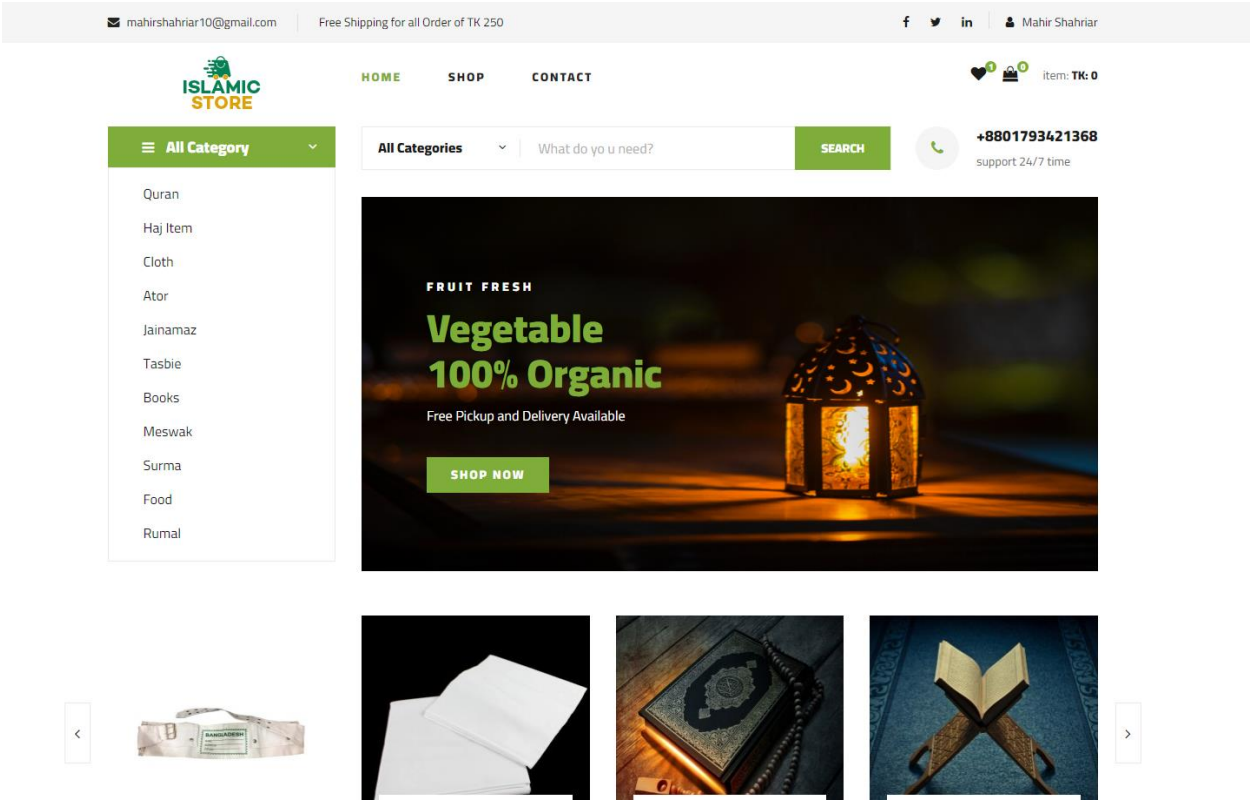

Figure 5.2.2: UI: Homepage

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5.2.3 Shop Page

The user will go to the URL and click shop to show the products (tinypng, 2021).

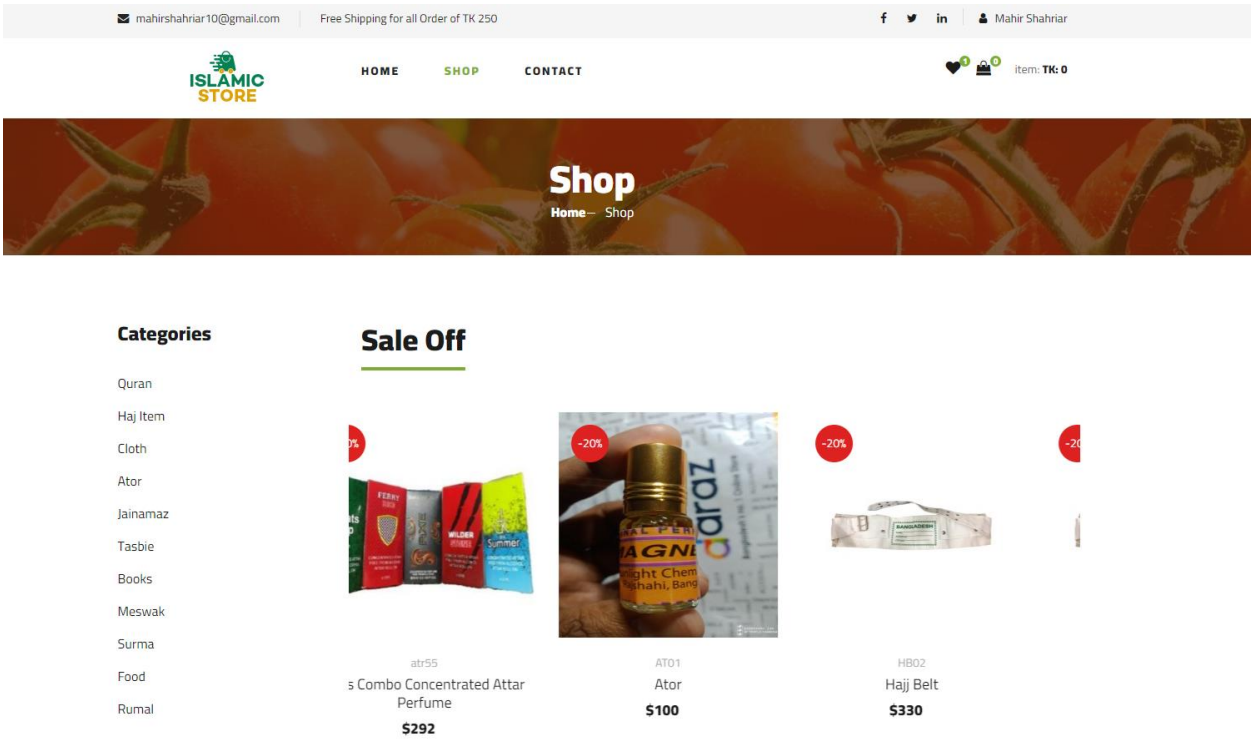

Figure 5.2.3: UI: Shop Page

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5.2.4 Contact Us page

On the contact us page there will be all the contact information about the shop. (stackoverflow, 2021)

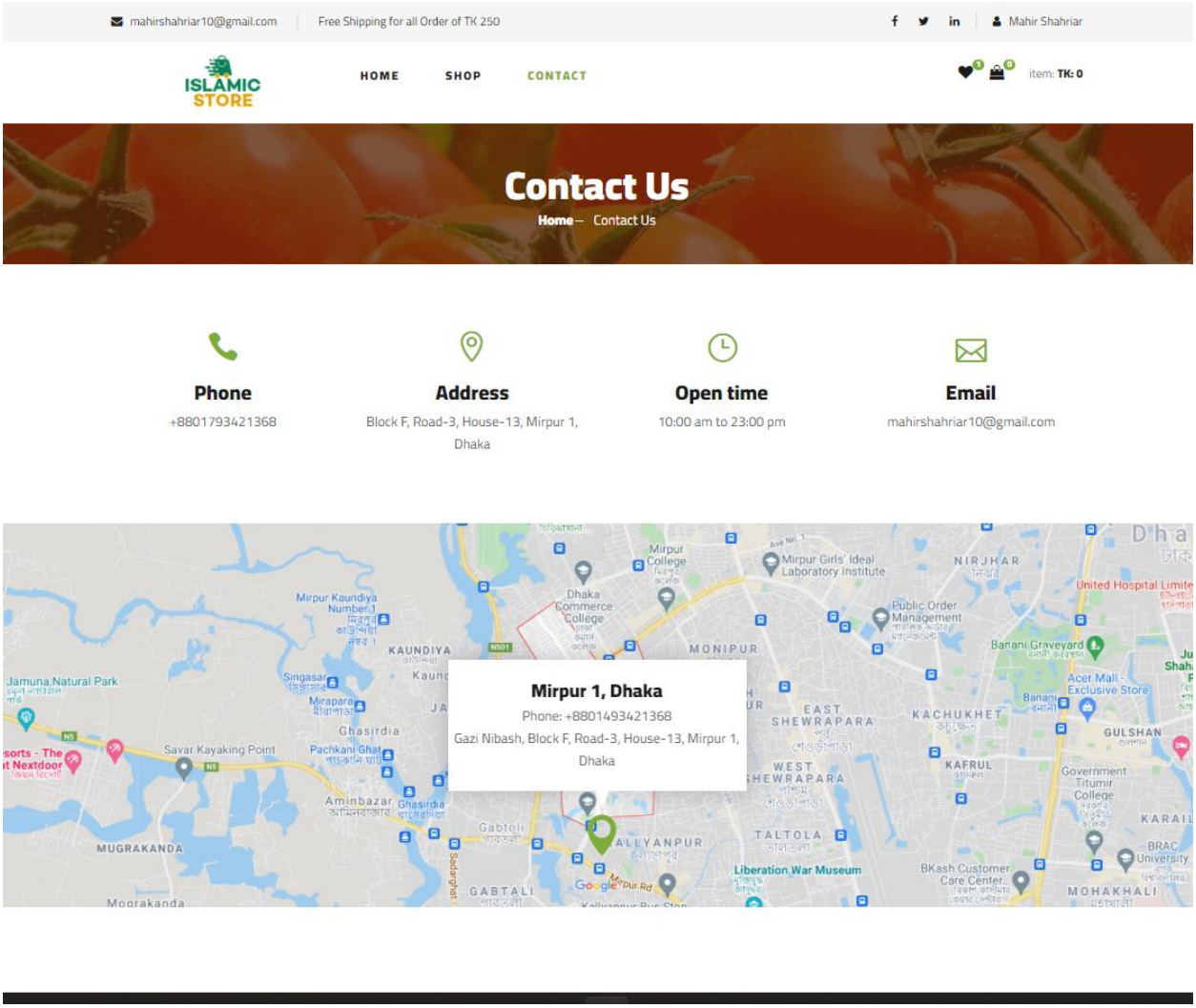

Figure 5.2.4: UI: Contact us page

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5.2.5 Wishlist

Customers will add liked products for future purchases.

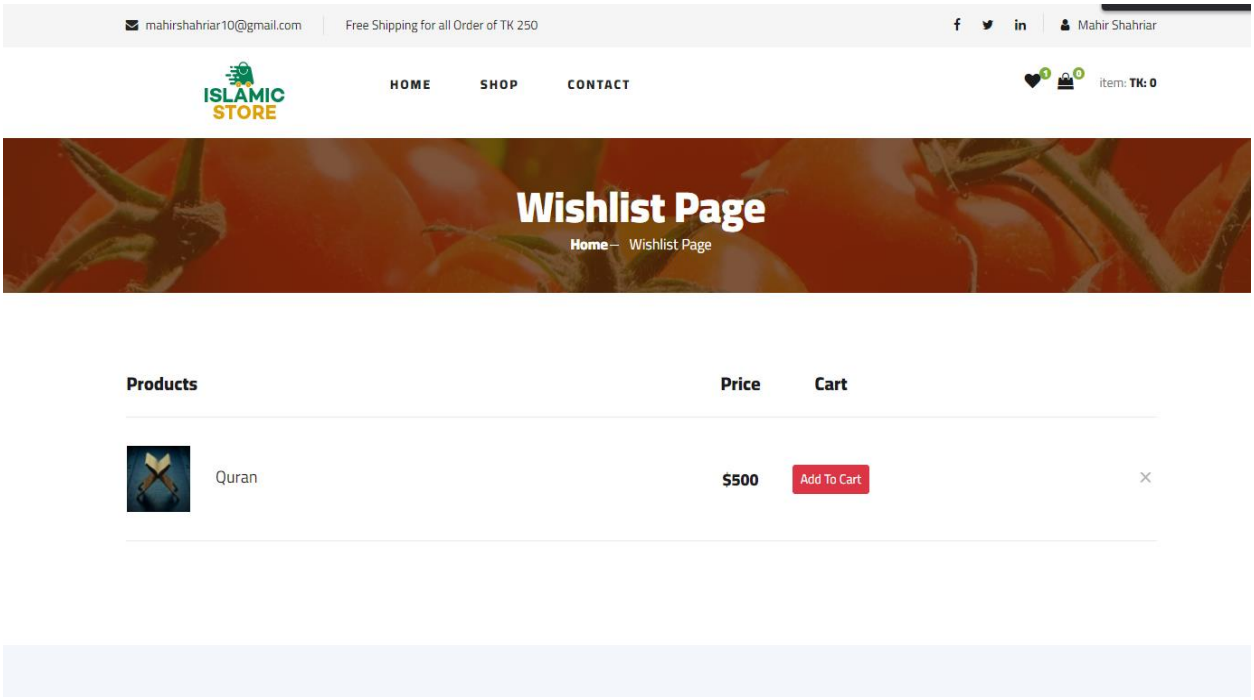

Figure 5.2.5: UI: Wishlist

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5.2.6 Cart

Customers will add products to the cart for purchase (stackoverflow, 2021)

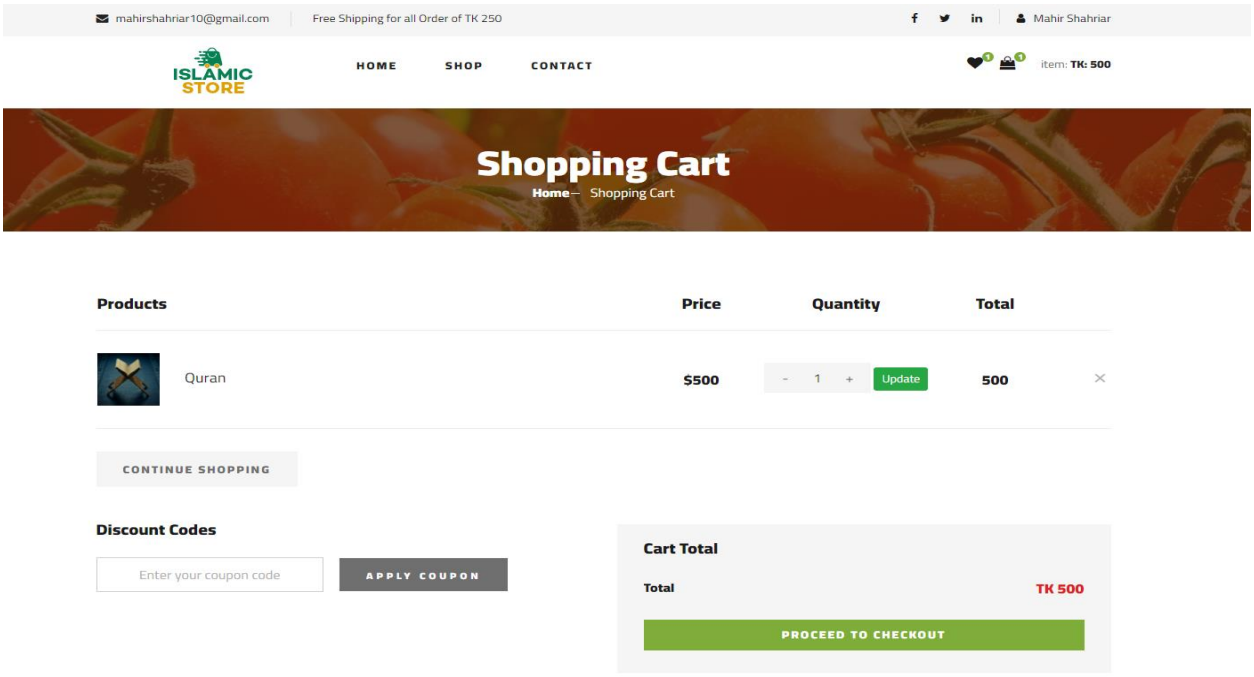

Figure 5.2.6: UI: Cart

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5.2.7 Registration

Unregistered/new users can create an account by entering their email address, username, and password. The user can log in and access all of the features after successfully registering. (stackoverflow, 2021)

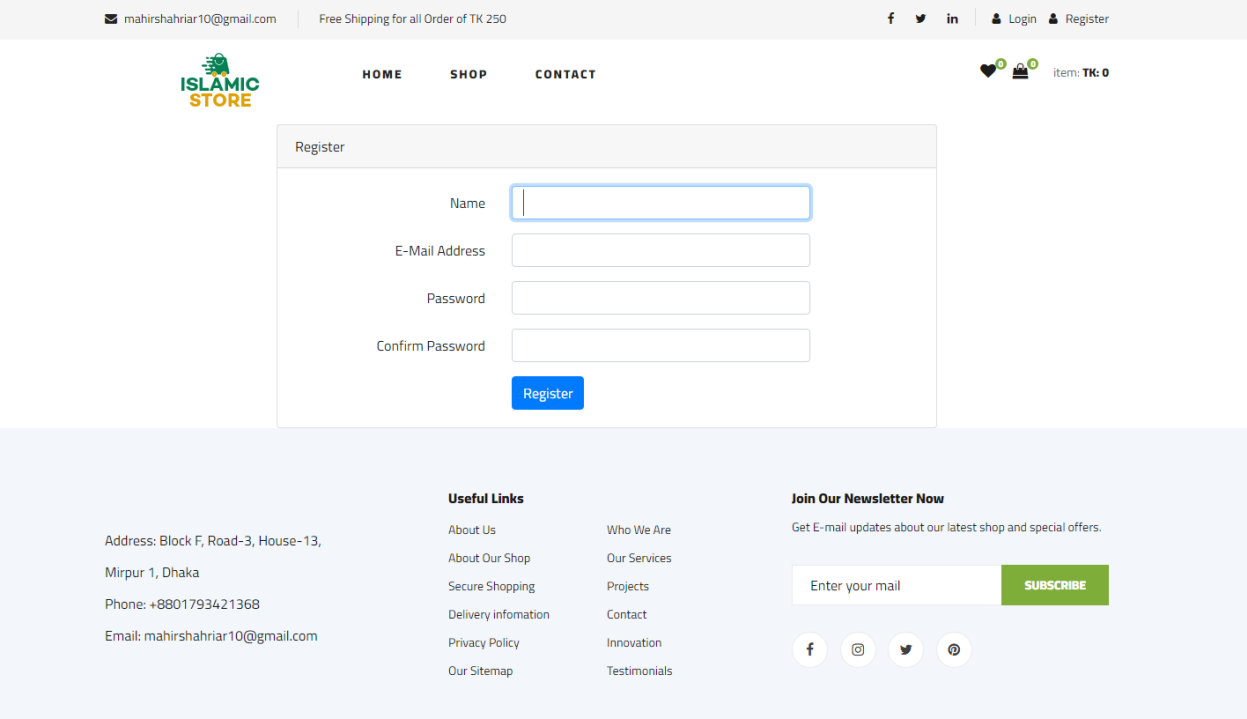

Figure 5.2.7: UI: Registration

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5.2.8 Login

Users can buy products after successfully logging in with the necessary credentials.

(stackoverflow, 2021)

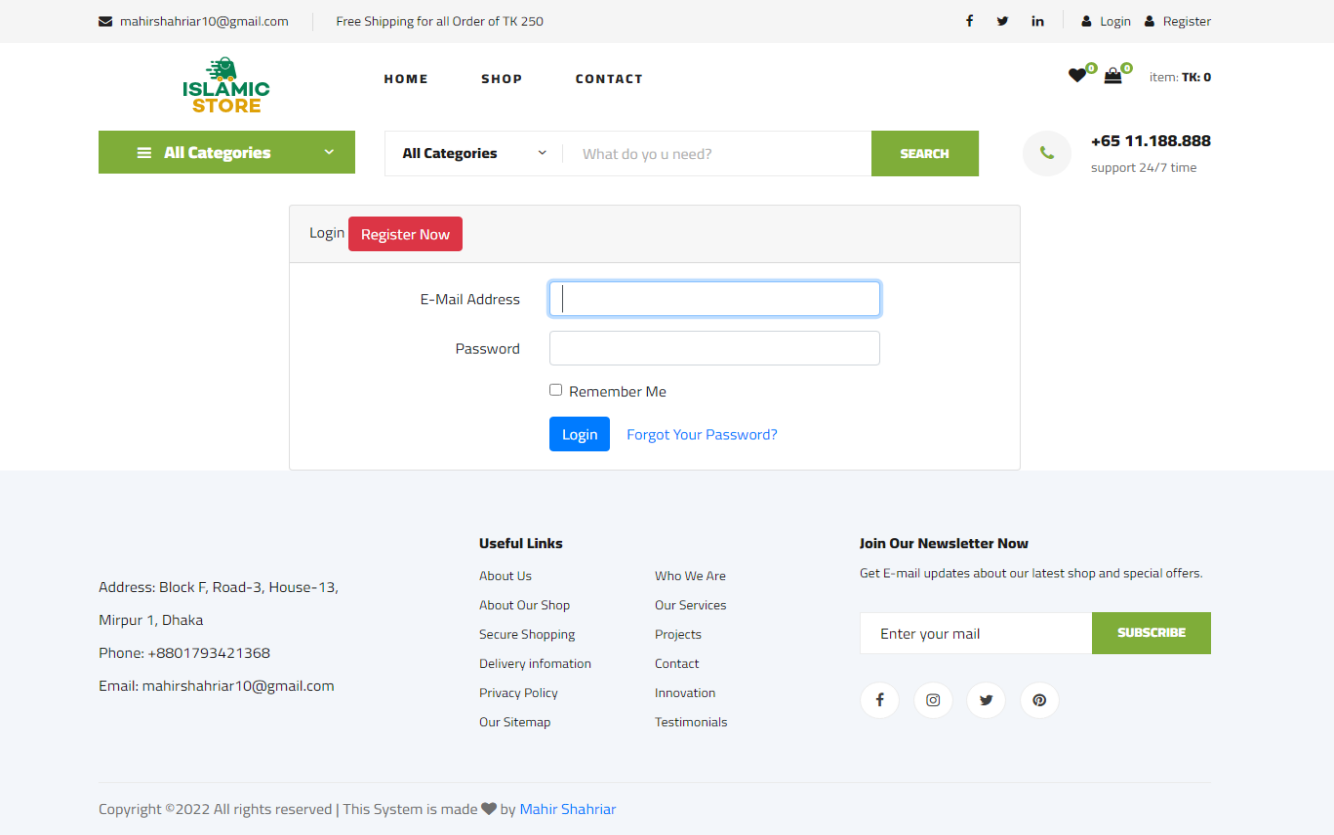

Figure 5.2.8: UI: Login

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5.2.9 Checkout

Customers will add shipping information to the checkout page for purchase (stackoverflow, 2021).

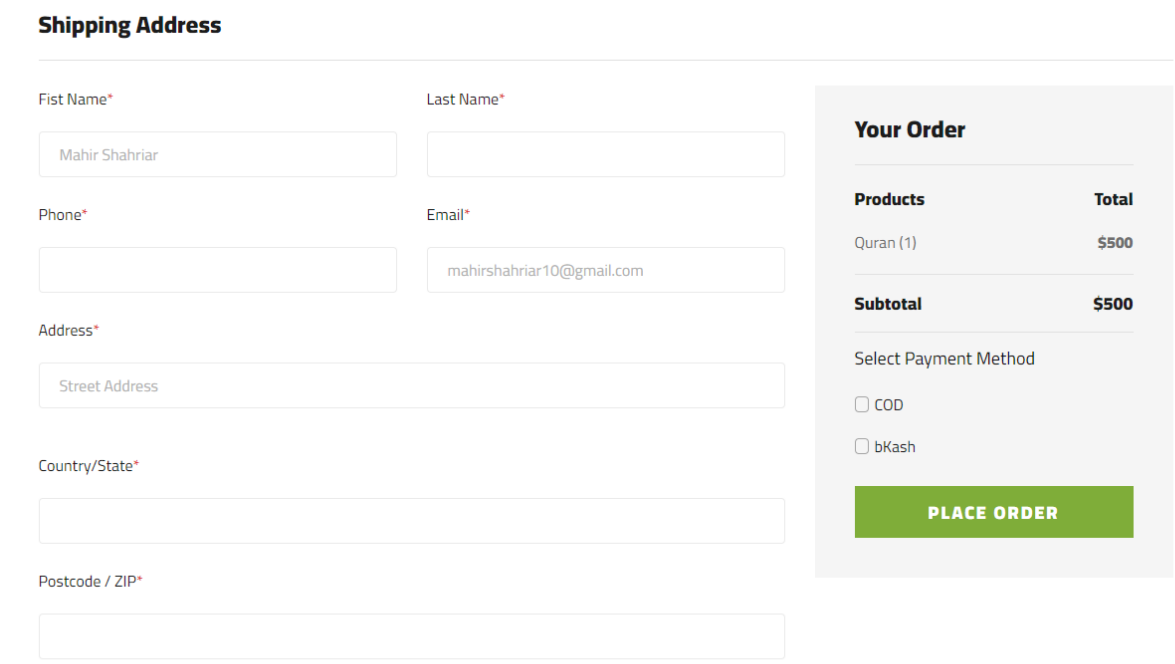

Figure 5.2.9: UI: Checkout

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CHAPTER 6: CONCLUSION

6.1 Project Summary

"Islamic Store" is a web-based service that allows clients to purchase and present high-quality products. Consumers may buy what they need from the comfort of their own homes using this approach.
I finished this job in a short amount of time, from planning to development, and the system was ready to use. This system should be updated regularly with newer and enhanced functionality.

6.2 GitHub Link:

https://github.com/devMahir/IslamicStore-Ecommerce-website (Shahriar, 2021).

6.3 Limitations

Due to a time constraint, I was also unable to implement several advanced capabilities for this system that would have made it more complex and feature-rich.

- Real-time push notification.
- Graphical dashboard design.
- Add payment API.
- Multivendor this system.
- Shipping information from google maps API.

6.4 Obstacles and Achievements

Laravel was used to create the system. I ran into several bugs when attempting to build the system since it has a certain array and nested arrays within the database, which were initially tough to maintain. But, with enough time and work, I was able to overcome them.

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6.5. Future Scope

For both customers and store managers, this software solution will function as an Islamic store. This method is meant to guarantee that a flawless e-commerce is developed and that the standard level is maintained so that there are fewer opportunities for it to fail.

More precisely, this system is intended to make it as easy as possible for store managers to sell their products online in the e-commerce sector.

- This program can be produced as a mobile application with some sophisticated capabilities.
- It can also be developed as a mobile application.
- It can be put on a powerful server with a lot of traffic for a lot of users.

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