



PROJECT NAME: C-SHOPPER

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APPROVAL

This project titled on “**C Shopper**”, submitted by Name: Mehadi Hasan, ID: 171-35-173 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.

DECLARATION

It hereby declares that this project has been done by me under the supervision of Nayeem Hasan, (Senior Scale) of the Department of Software Engineering, Daffodil International University. It also declares that neither this project nor any part of this has been submitted by anywhere else award of any degree.

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EXCLUSIVE SUMMERY

“C-Shopper” is a web based e-commerce site where you can find all kinds of chemical products of the ‘garments’ sector. Here all the ‘garments’ owners can easily buy the chemicals and raw materials they need in a very short time and at an affordable price. User can order by looking at the product details and the price of the product. When ordering the product, the user will fill and submit his information such as “username, address, Contact number, and mail id” in a completely accurate manner.

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CHAPTER 01: INTRODUCTION

In today's world, technology has come to our hand and letting us do so many things which The aged people never even thought about. It is not a buffer today that the world has come to our hand. This turn towards the Internet based technologies generated a new status quo in the business world. E-business was defined by IBM back in 1997, as "the transformation of key business processes through the use of Internet technologies". According to Chaffey (2002), e-business is described as "all the electronically mediated information exchanges, both within an organization and with external stakeholders, supporting the range of business processes." E-Business enables an enterprise to spread its wings to the global customer. To extend the sales platform to a futuristic dimension, business houses have incorporated software that can run on platforms offered by the World Wide Web. E-business has now penetrated into consumer goods and other production and service based industries.

There comes "**C-Shopper**" is a web based E-Commerce Site .Where any kind of Chemicals those are used in the 'garments' industry are available at affordable prices. Where 'garments' buyer can easily order products from this site without any hassles. Buyers can get the products from their own country a small amount & in a short time.

1.1 Project Overview

C-Shopper” is a web-based e-commerce platform that contains garments all chemical Items. The idea of it came to my head when I saw so many Garments Buyers purchase their chemical abroad. This wastes a lot of time, chemicals in that order take a long time to get delivered so that Garments Buyers take a lot of time for their good production. So I think to find out a solution. Bangladesh has one of the few chemical suppliers in the ‘garments’ sector that sells a lot of chemical products. So I think to find out a solution. As the E-Commerce web application is also a good part of communication, it cannot be totally ignored. So, the solution should be for all. Then I made a plan to build the E-Commerce-based “C-Shopper” web application which is reliable for everyone. Users can order products anytime the user will be able to order one of his products & also take delivery within a short time, which will be much more time-efficient & a reliable cost. As a result, the time will be saved and users can use the time in other productive works.

1.2 Project Purpose

The main purpose of the project is to create E commerce based chemical shop web application, There is no such platform for chemical products in Bangladesh which will be user can buy a product easily So it should be secure and user friendly as well.

1.2.1 Background

I saw so many Garments Buyers purchase their chemical abroad. This wastes a lot of time & waste loss of huge money the chemicals in that order take a long time to get delivered so that Garments Buyers take a lot of time for their good production. So I think to find out a solution. As the E-Commerce web application is also a good part of communication, it cannot be totally ignored. So, the solution should be for all. Then I made a plan to build the E-Commerce-based “C-Shopper” web application which is reliable for everyone. Users can order products anytime the user will be able to order one of his products & also take delivery within a short time, which will be much more time-efficient & a reliable cost. As a result, the time will be saved and users can use the time in other productive works.

1.2.2 Benefits & Beneficiaries

If the user sees the benefits of using the application, only then they will use it. The benefits of using “**C-Shopper**” is given bellow

- i. Time Saving.
- ii. Secure to use.
- iii. Order easily.
- iv. Flexibility with efficiency.
- v. Improve relationships
- vi. Lock in Customers.

1.2.3 Goals

My main aim is to create a platform which will be Reliance on the import of products from outside will be reduced and user friendly. Other goals are given bellow

- i. Create a time concern society
- ii. Adapting people in a new platform
- iii. Create a profitable platform

1.3 Stakeholders

There are three types of stakeholders.

- i. Admin
- ii. User

1.4 Project Schedule

1.4.1 Gantt Chart

For completing the project, I have taken some steps and created a Gantt chart. I am giving the chart below.

Weeks Works	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Analysis Phase	■																	
Feasibility Study		■																
Project Proposal			■															
Project UI			■	■	■	■	■											
Mid-Term Defense								■	■									
Implementation of the Project				■	■	■	■	■	■	■	■	■	■	■	■	■		
Testing								■									■	■
Documentation of the Project																■	■	■
Final Defense																		■

Figure 01: Gantt chart

1.4.2 Release Plan

I have the plan to release the application on the web within this month. Before releasing the full version I have to complete some steps.

- i. Investor finding: 02 January 2021
- ii. Demo release: 18 th February 2021
- iii. An Advertisement: 21th April 2021.
- iv. The Final release: 01th June 2021

CHAPTER 2: SOFTWARE REQUIREMENT SPECIFICATION

2.1 Functional Requirements

The functional requirements of the project are given below,

Sl no.	The Name of the requirements	Priority level
01	Login/Signup	High
02	Add product with an image	High
03	Remove Product	High
04	Show Product List	High
05	Specific Product Details	Medium
06	Order product by mail	Medium
07	Update Profile	Low

Table 01: Functional Requirement

2.2 Performance Requirements

Performance requirements are one of the most important things for an application.

If the performance is well, then the software will be more useable.

2.2.1 Speed and Latency Requirements

Speed: The system will run on high speed.

Latency: The latency will be also user friendly.

2.2.2 Capacity Requirements

User capacity: About 5000 people can access the website at a time. The capacity will be increased according to users.

Server Details:

Hosting: 5GB Cloud Storage

CHAPTER 3: SYSTEM ANALYSIS

The use case diagram is a diagram to visualize the study of software. My use case diagram of the project is given below,

3.1 Use Case Diagram

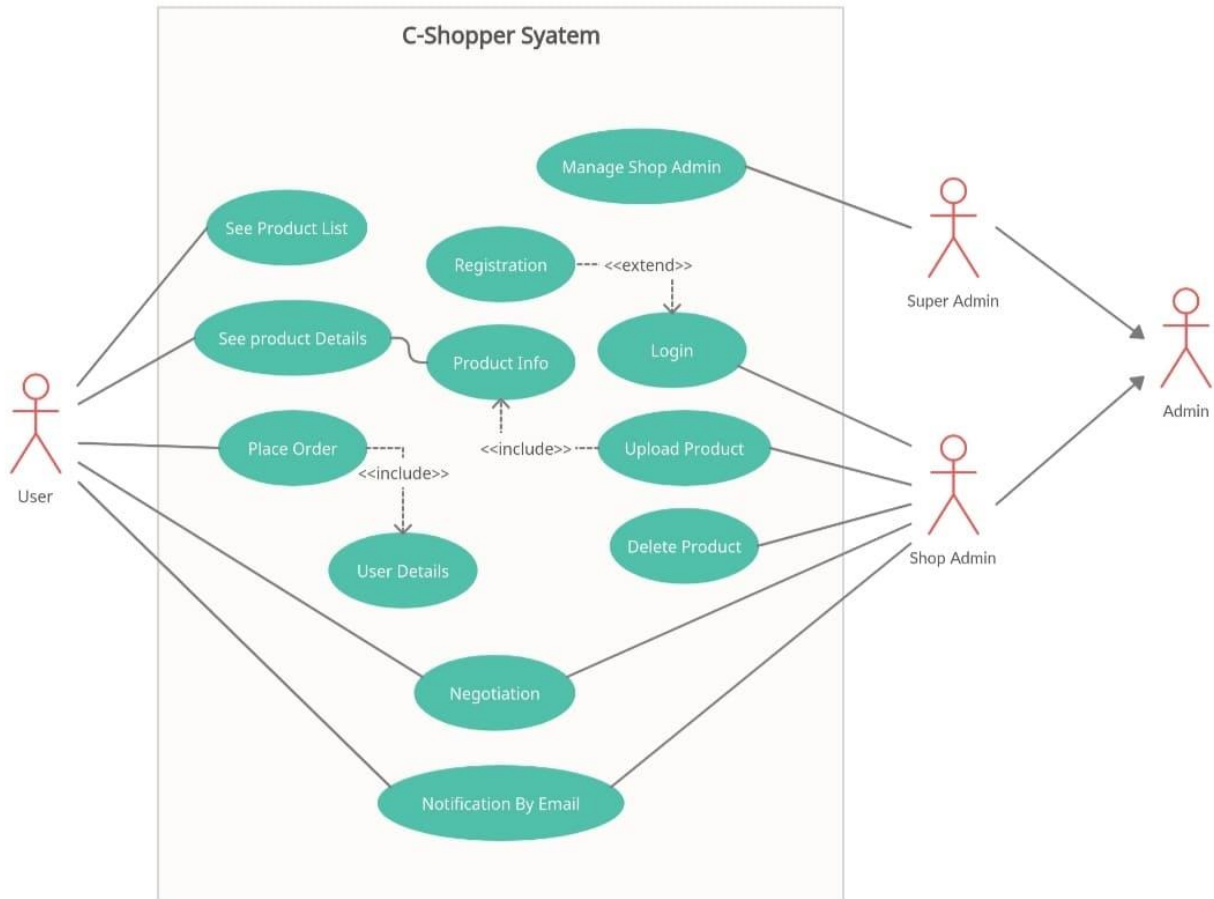


Figure 02: Use case Diagram

3.2 Use Case Description

- i. See product list: When the user visits this site, he will be able to see the product.
- ii. See product details: If the user clicks on the product view button, then the user can see the details of the product.
- iii. Product info: When ordering the product, the user can see the value of an information product.
- iv. Place order: When the user orders to buy the product, the user can see how many products are stored on this site.
- v. User details: The user will fill in all the information when ordering the product. Here the user will mention how much he / she needs.
- vi. Negotiation: If the user wants to reduce the price of the product, he can reduce it by negotiating through the mail.
- vii. Notification by Email: Admin will be able to receive the user's orders & give feedback to all users
- viii. Registration: The new admin will create a new account by signing up for the user registration form
- ix. Login: When the admin fills in registration form than the admin has to login to get all the access to this site.
- x. Upload product: If a new product needs to be added to this site, the admin can upload the details of his new product from the product form.
- xi. Delete product: If a product is not in stock, the admin can easily remove that product.

3.3 Activity Diagram

The activity diagram of my project is given below,

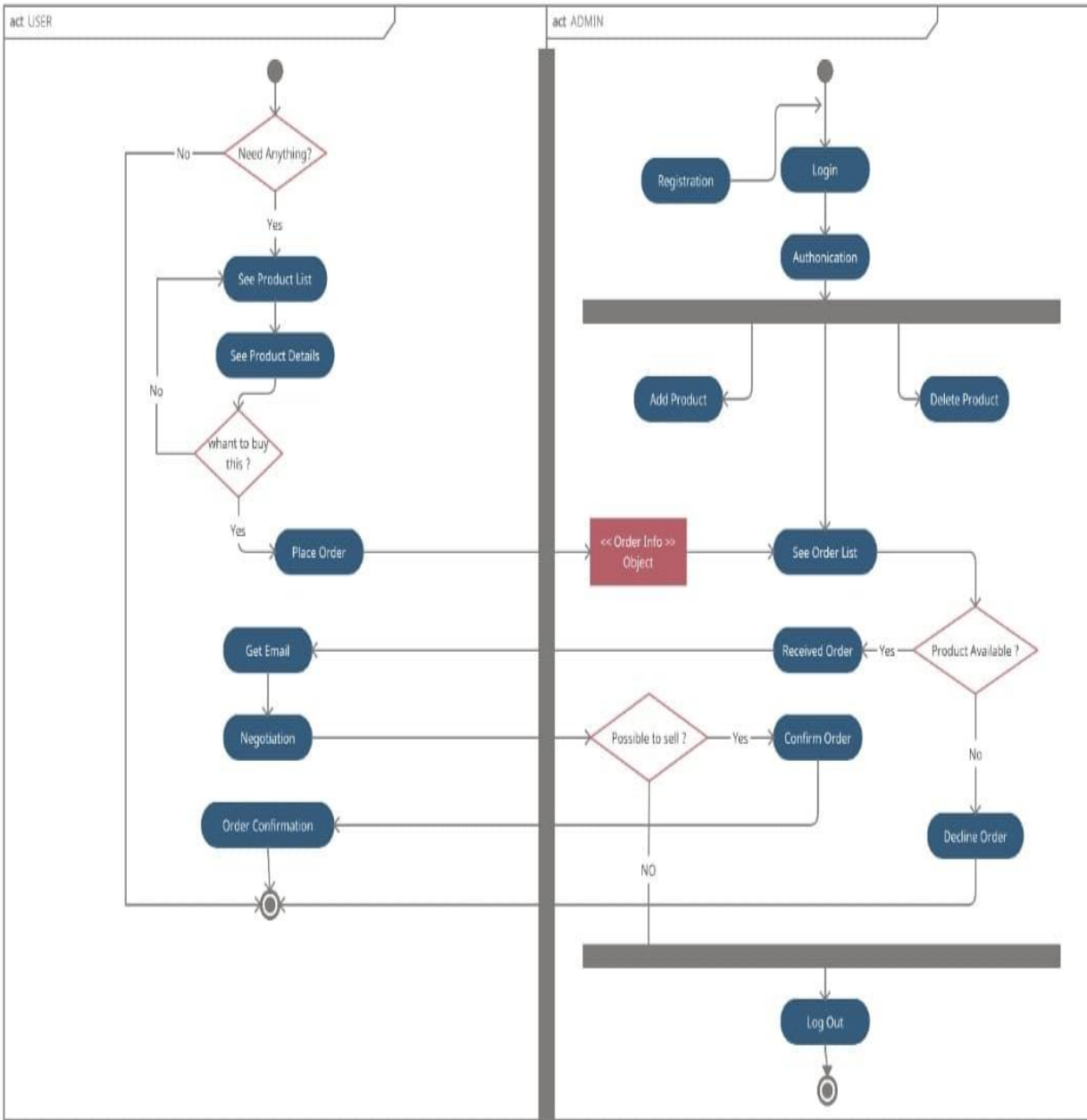


Figure 03: Activity Diagram

3.4 ER Diagram

The ER diagram of my project is given below,

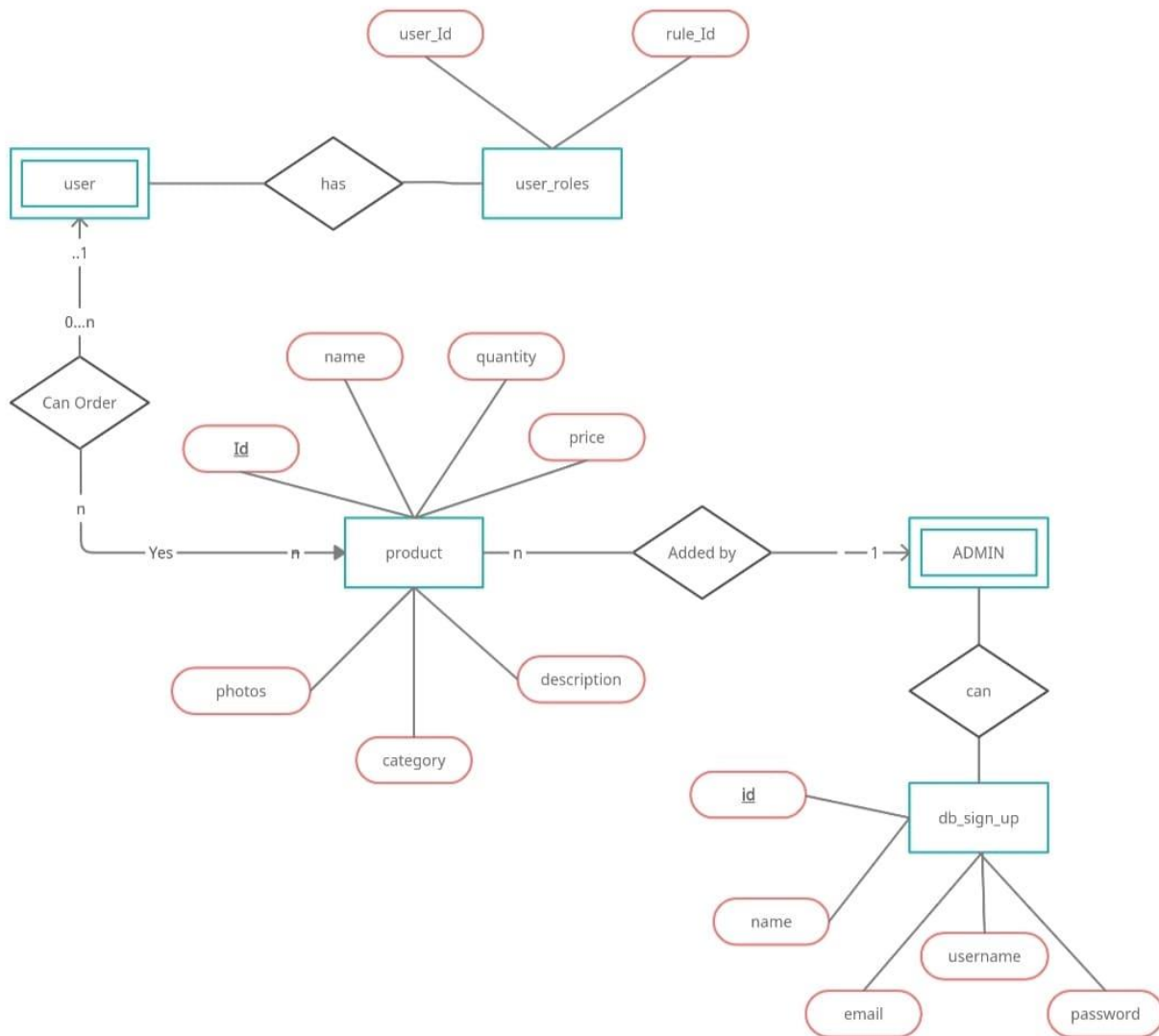


Figure 04: ER Diagram

3.5 Class Diagram

The ER diagram of my project is given below,

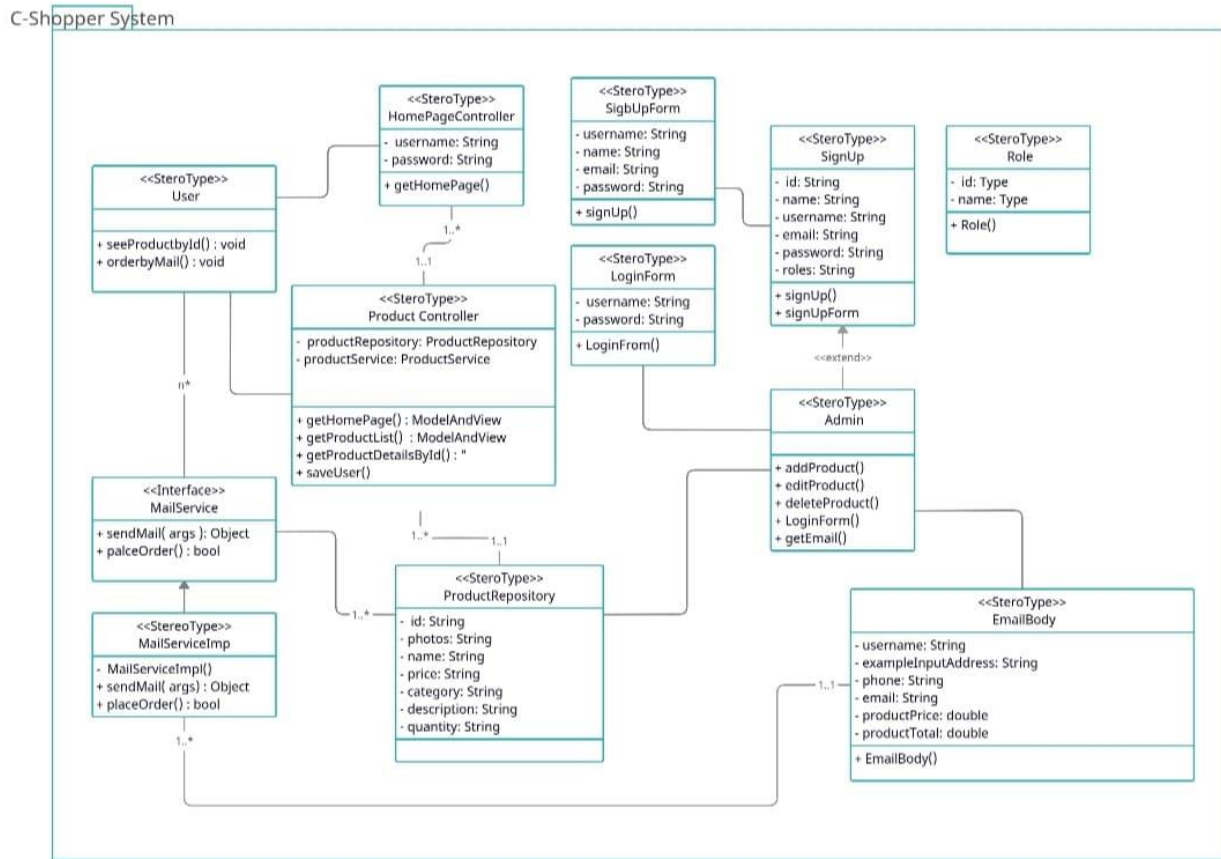


Figure 05: Class Diagram

CHAPTER 4: USER MANUAL

User Type:

- i. User Type A: **Admin**
- ii. User Type B: **User**

4.1 User Type A: Admin

Admin Registration Form:

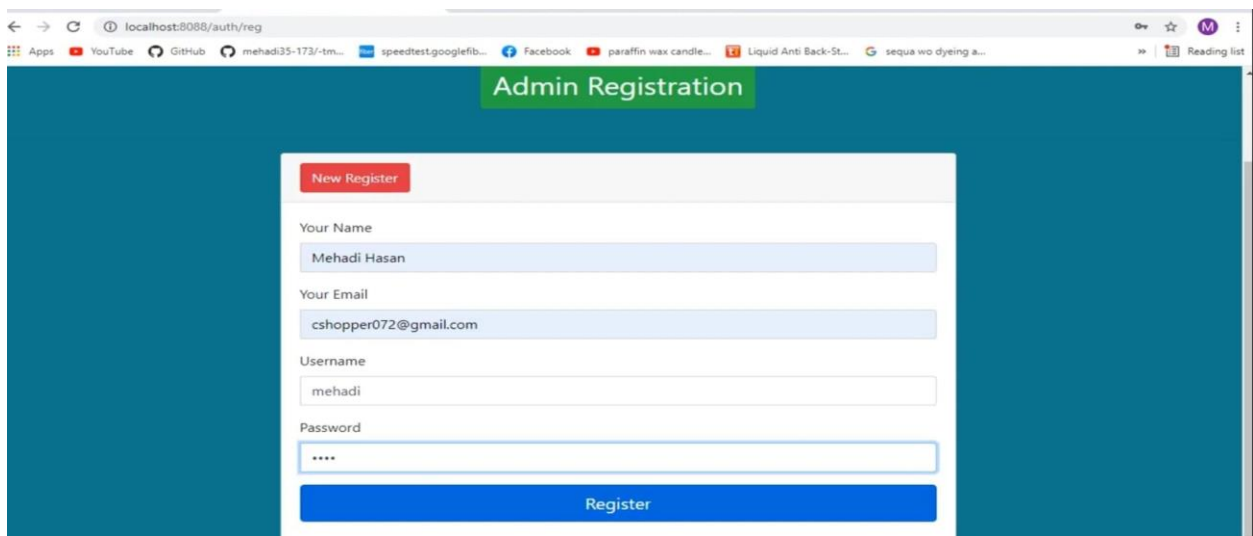
A screenshot of a web browser showing the 'Admin Registration' form. The browser address bar shows 'localhost:8088/auth/reg'. The form is titled 'Admin Registration' in a green box. It features a 'New Register' button in a red box. The form fields are: 'Your Name' (Mehadi Hasan), 'Your Email' (cshopper072@gmail.com), 'Username' (mehadi), and 'Password' (masked with four dots). A blue 'Register' button is at the bottom.

Figure 06: Admin Registration Form

Login Form:

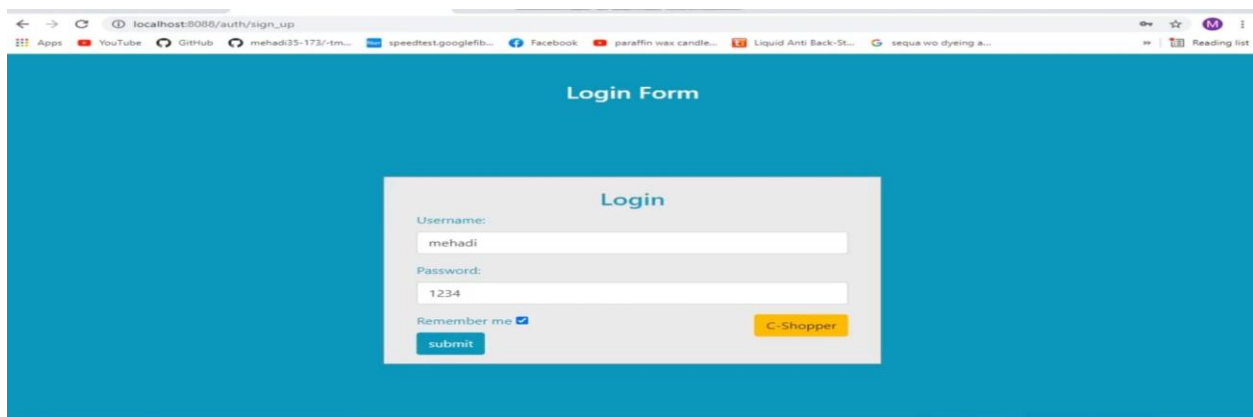
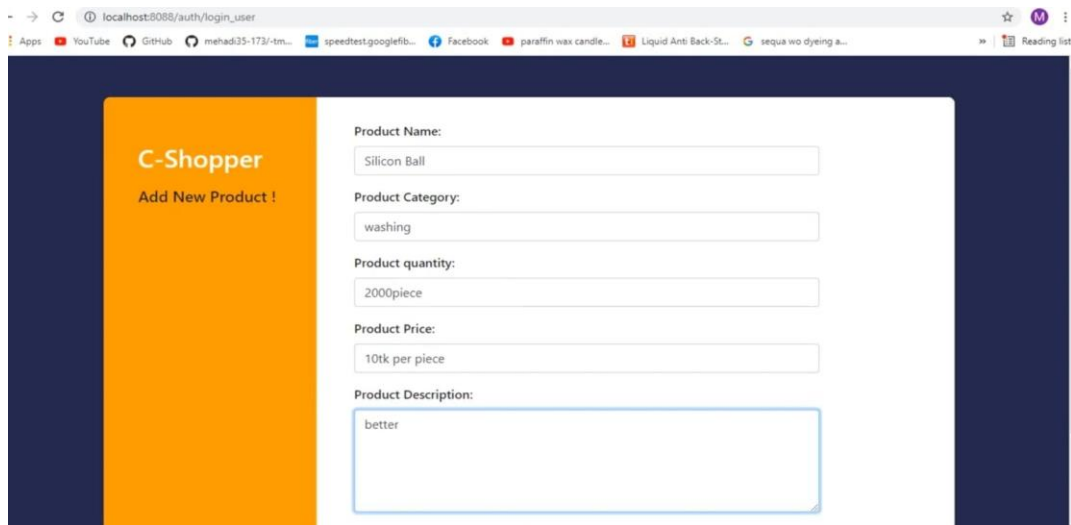
A screenshot of a web browser showing the 'Login Form'. The browser address bar shows 'localhost:8088/auth/sign_up'. The form is titled 'Login Form' in a blue box. It features a 'Login' title in a blue box. The form fields are: 'Username:' (mehadi), 'Password:' (1234), and 'Remember me' (checked). There is a blue 'submit' button and a yellow 'C-Shopper' button.

Figure 07: Login

Update Product Info:

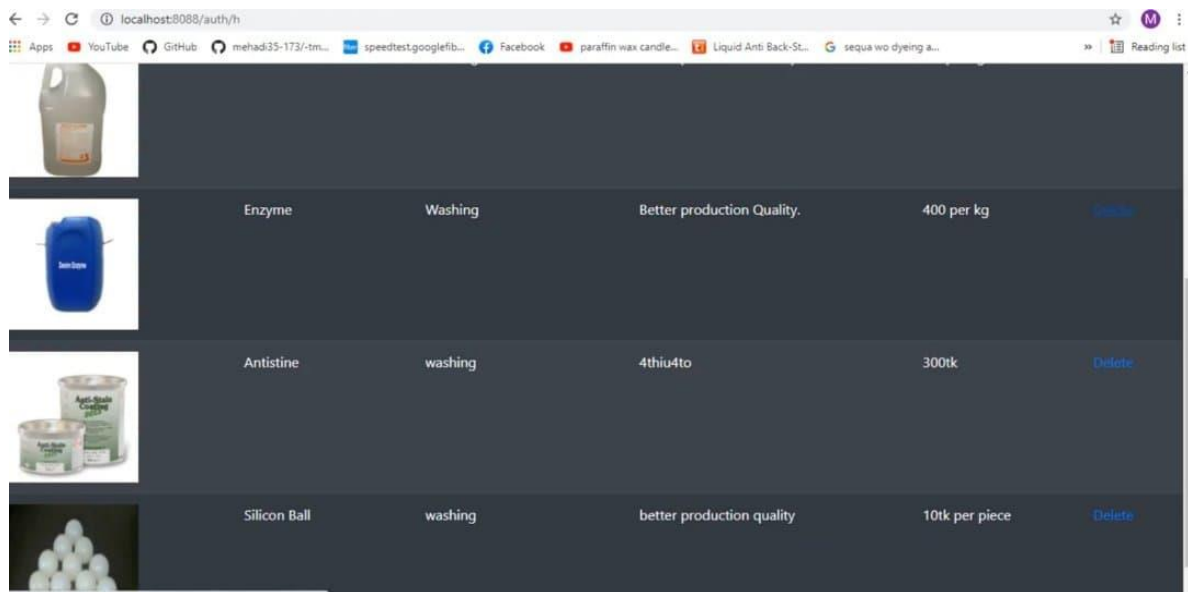


The screenshot shows a web browser window with the URL `localhost:8088/auth/login_user`. The page features a dark blue header with the text "C-Shopper" and "Add New Product!". Below the header is a form with the following fields:

- Product Name: Silicon Ball
- Product Category: washing
- Product quantity: 2000piece
- Product Price: 10tk per piece
- Product Description: better

Figure 08: Add New Product

Delete Product:



The screenshot shows a web browser window with the URL `localhost:8088/auth/h`. The page displays a list of products in a table. The products are:




Product Image	Product Name	Product Category	Product Description	Product Quantity	Action
	Enzyme	Washing	Better production Quality.	400 per kg	Delete
	Antistine	washing	4thiu4to	300tk	Delete
	Silicon Ball	washing	better production quality	10tk per piece	Delete

Figure 09: Delete Product

Order receive:



Figure 10: Admin can receive order via-mail

Admin sent order confirm to user:

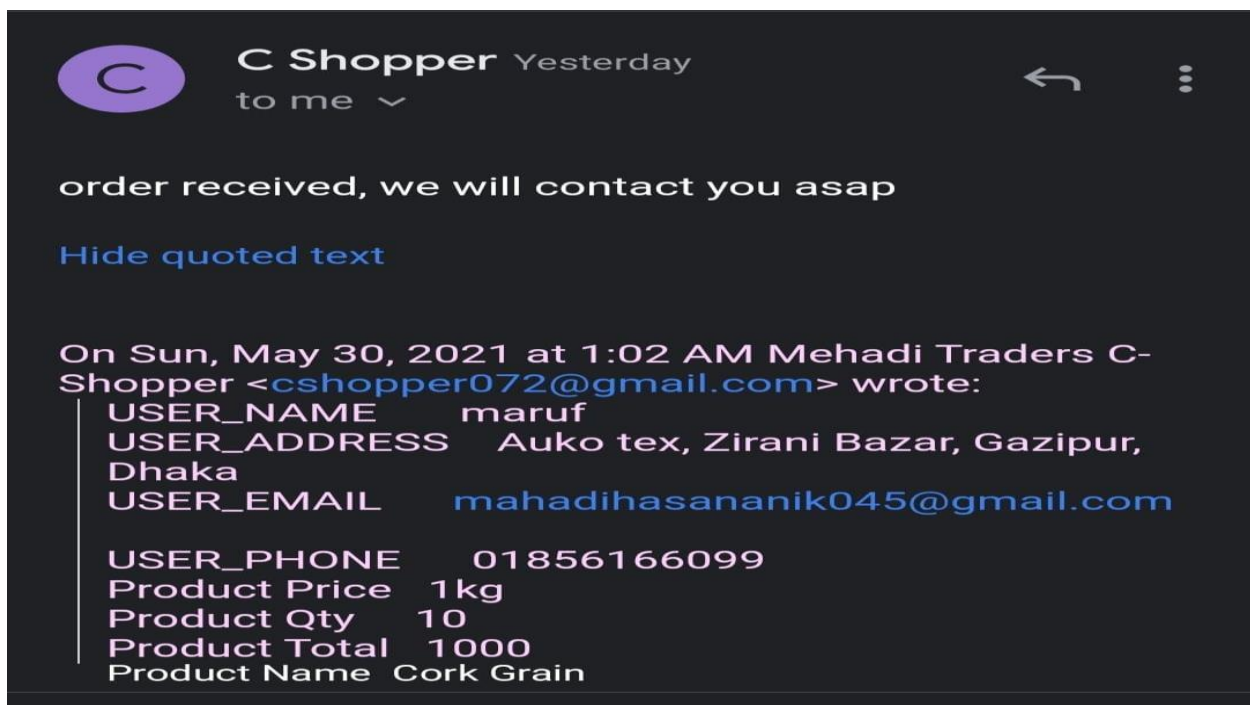


Figure 11: Admin sent order confirm to user via-mail

Admin sent the delivery message to User:

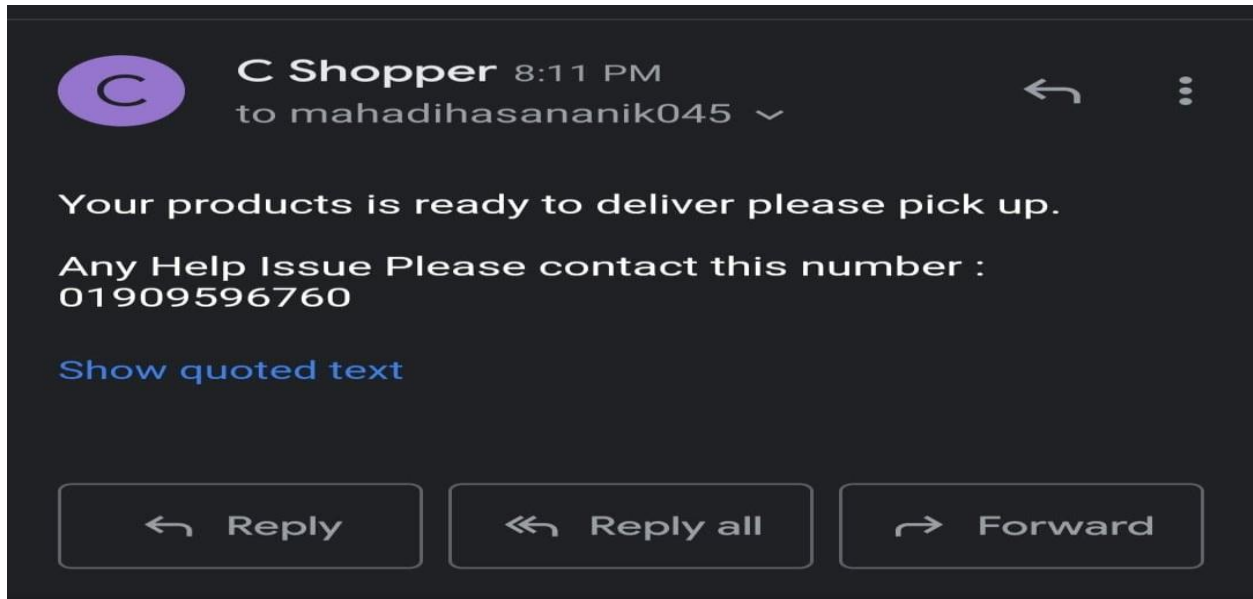


Figure 12: Admin sent the delivery message to User via-mail

4.2 User Type B: User

View Product:

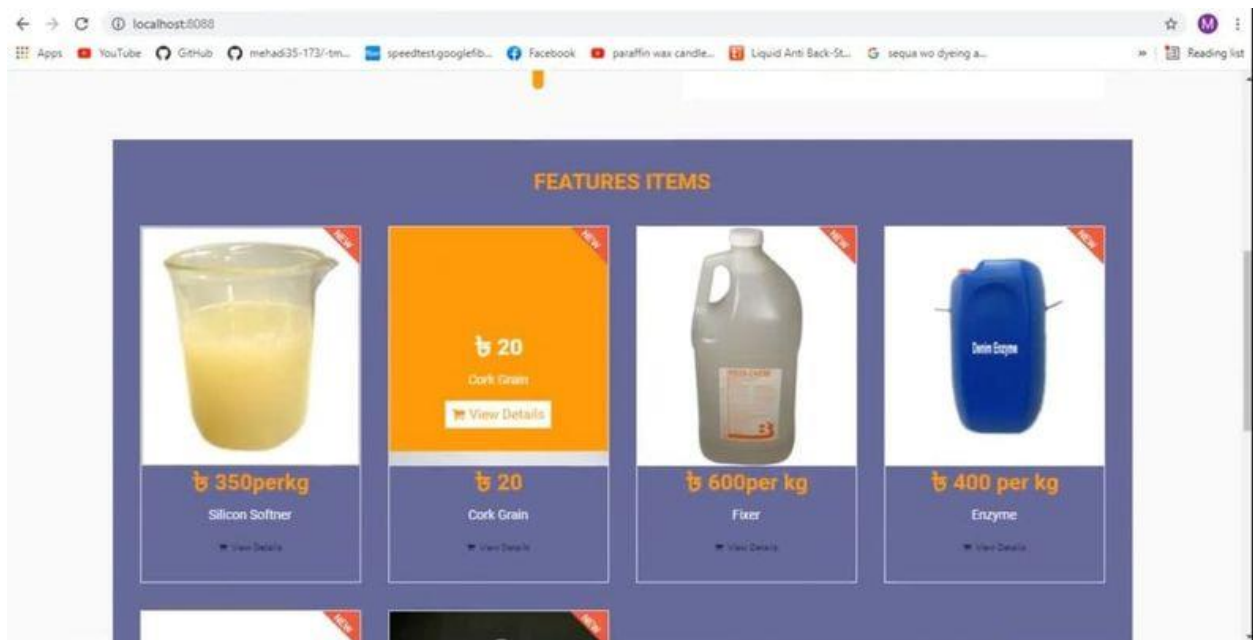


Figure 13: User View Product

User View Product Details:

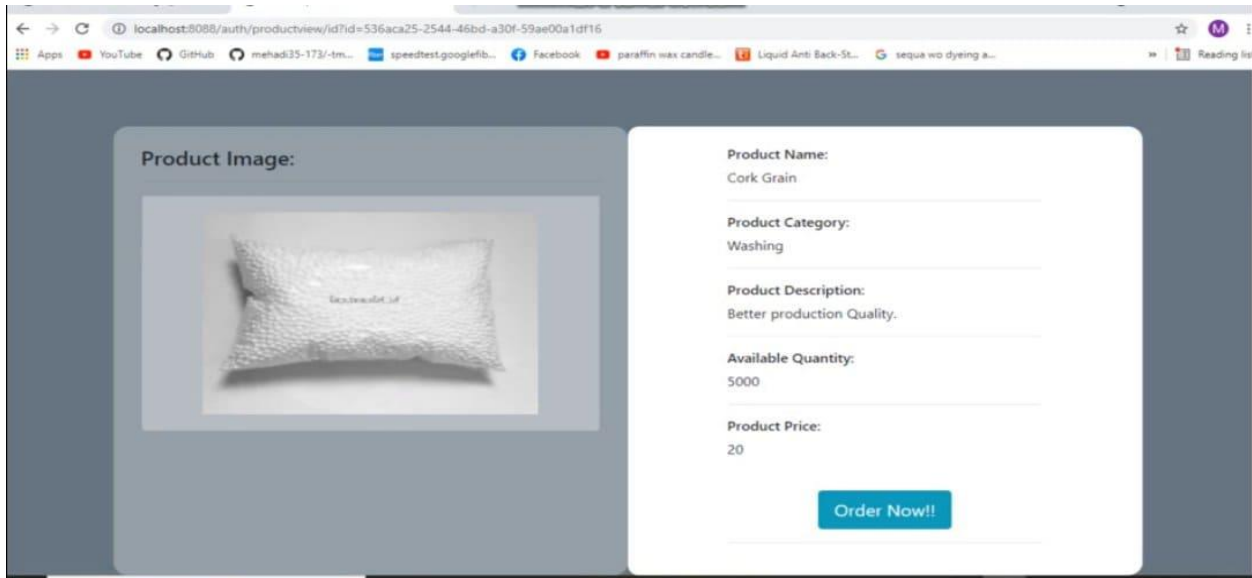


Figure 14: View Product Details

Information & Order:

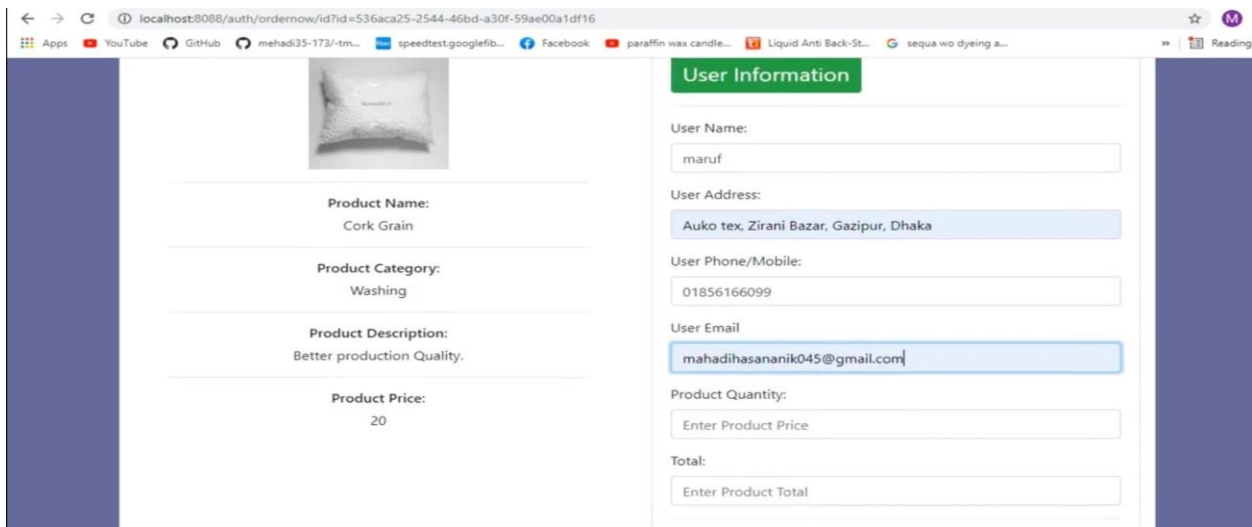


Figure 15: User Information & Order

Received product & payment by offline:



Figure 16: Received product & payment by offline

CHAPTER 5: PROJECT SUMMERY

5.1 Future Work:

- I will buy a personal server & domain for this website in the future.

- The user will be able to make his/her payment online through this system which I will do in the future.

5.2 Github Link:

<https://github.com/mehadi35-173/c-shopper>