



Daffodil
International
University

A WEB PORTAL TO SELL PRODUCTS ONLINE

Submitted by

Fuad Hossain

203-44-209

Department of Software Engineering

Daffodil International University

Supervised by

Md. Khaled Sohel

Assistant Professor

Department of Software Engineering

Daffodil International University

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

APPROVAL

This thesis/project titled on “A web portal to sell products online”, submitted by Fuad Hossain, ID: 203-44-209 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 Masters of Science in Software Engineering and approval as to its style and contents.

BOARD OF EXAMINERS



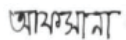
Chairman

Dr. Imran Mahmud
Associate Professor and Head
Department of Software Engineering
Daffodil International University



Internal Examiner 1

Kaushik Sarker
Assistant Professor
& Associate Head
Internal member
Department of SWE, DIU



Internal Examiner 2

Afsana Begum
Assistant Professor
Internal Member
Department of SWE, DIU



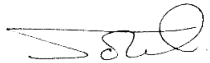
External Examiner

Md. Fazle Munim
Advisory Manager
Government and Public Sector, PwC

DECLARATION

We hereby declare that, this project has done by me under the supervision of **Md. Khaled Sohel, Assistant Professor of SWE**, Daffodil International University We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



Md. Khaled Sohel
Assistant Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Fuad Hossain

Fuad Hossain
ID:203-44-209
Department of Software Engineering
Daffodil International University

ACKNOWLEDGEMENT

I acknowledge the divine blessings of almighty Allah, which enabled the successful completion of my final year project, with the utmost gratitude and appreciation. My heartfelt gratitude goes to Md. Khaled Sohel, Assistant Professor at Daffodil International University, Department of Software Engineering. His vast knowledge and unwavering enthusiasm for web development motivated and guided us throughout the project. His unwavering dedication, patient mentorship, constructive critiques, and invaluable advice, including reviewing numerous drafts and correcting errors at every stage, were critical to the project's success.

With utmost sincerity, I extend my gratitude to the esteemed faculty and staff of the Software Engineering department at Daffodil International University. Additionally, I am deeply thankful to my batch mate of DIU for their kind cooperation and consolation which helped me to finish this task.

Lastly, I cannot overstate my appreciation for my family's constant encouragement and forbearance.

ABSTRACT

My project's goal is to create an online platform where sellers can sell products and buyers can buy products from anywhere in the country. A new entrepreneur can sell various necessities of daily life by using this web application.

Customers from all over the world can buy from online sellers. Websites assist in product marketing by providing detailed product descriptions, high-quality product images and videos, rich content, and slick design.

It saves consumers a significant amount of time; no more endless walking to find products, no more waiting in traffic, no more hanging outside trial rooms, and no more waiting for billing. The seller and the customer can communicate about the product or services.

This project was completed using HTML, HTML5, CSS, CSS3, PHP, JavaScript, and MySQL for the database.

Following implementation, the system is put through various tests and functions effectively on different platforms.

TABLE OF CONTENTS

CONTENTS	PAGE No
Board of Examiners	i
Declaration	ii
Acknowledgements	iii
Abstract	iv
CHAPTER	
CHAPTER 1: INTRODUCTION	1-3
1.1 Preface	1
1.2 Inspiration	1
1.3 Aspirations	2
1.4 Anticipated Results	2
1.5 Report Layout	3
CHAPTER 2: BACKGROUND	4-6
2.1 Preface	4
2.2 Related Works	4
2.3 Relative Investigations.	5
2.4 Range of Obstacles	6
2.5 Difficulties	6

CHAPTER 3: OBLIGATION DESCRIPTION	7-11
3.1 Preface	7
3.2 Evaluation and Utilization of Criteria	7
3.3 Modeling and Overview of Use Case	8-10
3.4 ER Diagram	11
3.5 Design Factors	11
CHAPTER 4: DESIGN DETAILS	12-13
4.1 Front-end Design details	12
4.2 Back-end Design details	12
4.3 Design of Interactions	12
4.4 Actualization Requirements	13
CHAPTER 5: DEVELOPMENT AND TESTING	14-32
5.1 Creation of Database	14
5.2 Front-end Design Execution	15
5.3 Effectiveness of Interactions	33
5.4 Testing Implementation	33
5.5 Outcome Reports	33
CHAPTER 6: SUMMARY & FUTURE PERSPECTIVE	34
6.1 Discussion and Verdict	34
6.2 Potential for Further Developments	34
REFERENCES	35
APPENDIX	36

CHAPTER 1

INTRODUCTION

1.1 PREFACE

In a country like Bangladesh, the scope of E-commerce services is enormous. The trend has gained traction in the country in recent years, owing primarily to the pandemic that halted physical markets for an extended period of time. It is harmless to say that, the trend is here to stay.

Youth in Bangladesh are increasingly dissatisfied. Furthermore, there is always the issue of unemployment. The industry is expected to generate more than USD \$5 billion in GMV and to employ at least 25% of the workforce. This will result in the creation of new jobs.

1.2 Inspiration to work

Bangladesh has seen a very promising outcome in terms of its thriving e-commerce sector and public participation in it thus far. People value their time more than ever before, which only broadens the scope of our game.

During the pandemic, many people began to use ecommerce services. Given the success of the ecommerce business, we can expect it to be massive.

Again it's not possible for people to visit shops in a sudden emergency or if they have disability so online shopping will make their life easier.

1.2 Aspirations:

- Saving time
- lower management expenses
- Nurturing commercial relationships
- offering an exclusive customer experience
- Growing the number of devoted clients
- Improving sales

1.3 Anticipated results.

- Safe and secure online shopping.
- Motivating people to buy products on online.
- Assisting business owners and aspirants to become business owners.
- Enhancing industrial development.
- Helping the unemployed person.
- Huge economic growth.
- Selling environment friendly product, etc.

1.4 Report Layout

Introduction

- Preface
- Inspiration
- Aspiration
- Anticipated Results

Background

- Preface
- Related Works
- Relative Investigations
- Range of Obstacles
- Difficulties

Requirement Specification

- Business Process Modeling
- Evaluation and Utilization of Criteria
- Modeling and Overview of Use Case
- ER Diagram
- Design Factors

Design Specification

- Front-end Design
- Back-end Design
- Design of Interaction
- Actualization Requirements

Implementation and Testing

- Creation of Database
- Front-end Design Execution
- Effectiveness of Interactions
- Testing Implementation
- Outcome Reports

Summary and Future Perspectives

- Discussion and Verdict
- Potential for Future Developments

CHAPTER 2

BACKGROUND

2.1 PREFACE

Bangladesh's e-commerce landscape started in the 2013-14 timeframe. Shopping from home was not a popular phenomenon at the time because people did not feel safe buying online and the service was poor.

The market only recently began to take shape, with the emergence and active participation of a few major players. Although e-commerce in Bangladesh is still in its infancy, with a 165 million population and 33% mobile internet penetration, the market appears to have significant potential in the coming years.

2.2 Related work

E-commerce is still not very popular in our country. Among all the shopping sites daraz (www.daraz.com.bd/#) is most popular. Some of other company has gained some popularity recently.

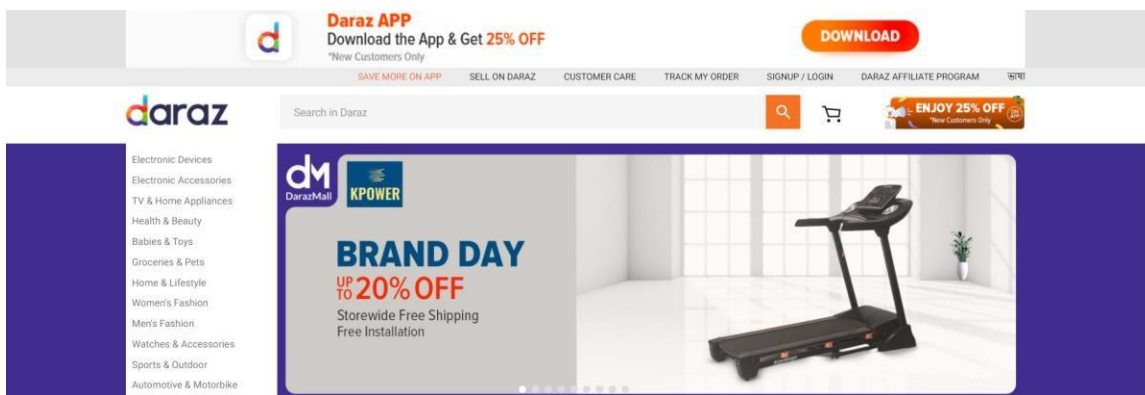


Fig 2.1: www.daraz.com.bd/#

Among other brands evaly recently got popular but it has become very controversial.

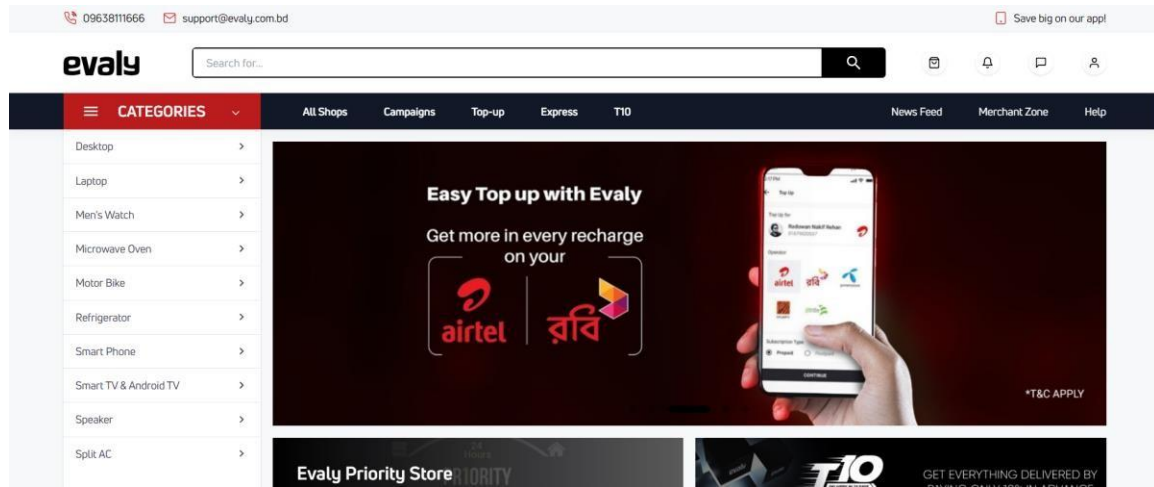


Fig 2.2: <https://evaly.com.bd/>

2.3 Relative Investigations

My web application is distinct from others because I value customer satisfaction. We will make every effort to deliver the product within 2/3 business days. Most businesses in Bangladesh failed because they did not deliver on time. Another issue is that they deliver counterfeit goods. Ecommerce fraud is also a major issue.

People have a difficult time trusting online websites. We will do everything we can to gain people's trust, which will be an enormous challenge.

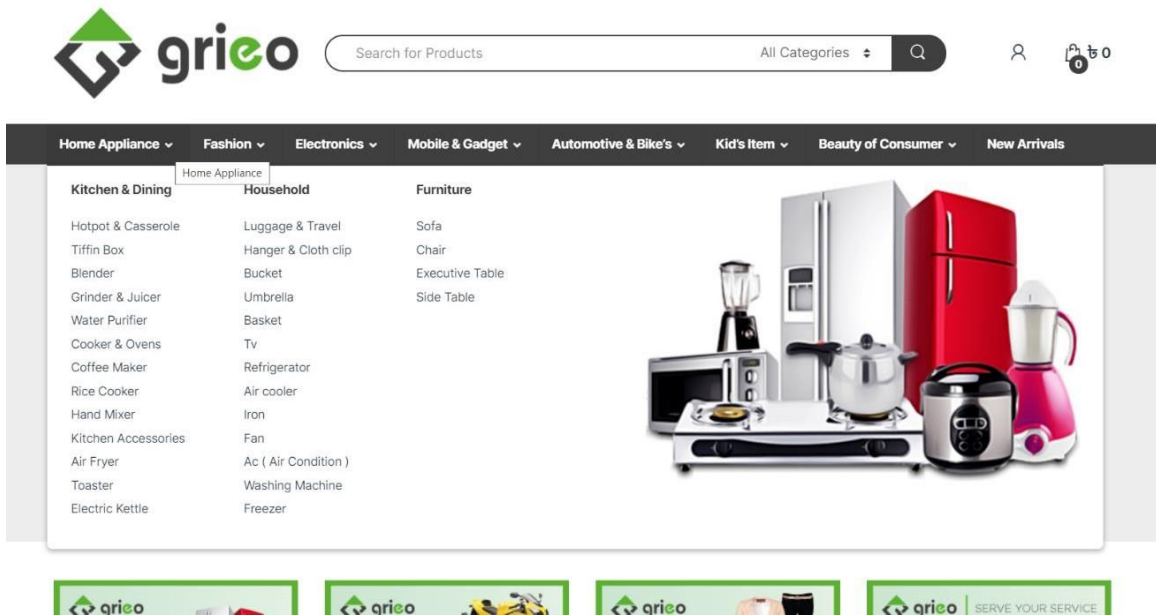


Fig 2.3: Our services

Fashion items, gadgets, children's items, beauty products, and other items are among the services we provide.

2.4 Range of Obstacles

- The majority of people in this nation do not have internet access, so reaching a large number of users will be difficult.
- Many businesses took unfair advantage of user trust, it is challenging to regain their confidence.

2.5 Difficulties

- Offering full assistance to our users in order to gain their trust.
- We will deliver on time, but achieving success in the real world is extremely difficult.
- It is difficult to provide them with appropriate advice at all times based on the information they provide.
- Fraud prevention will be a major challenge in the coming years.

CHAPTER 3

OBLIGATION DESCRIPTION

3.1 PREFACE

This chapter covered the requirements analysis in its entirety. It's crucial because it demonstrates how requirements interact with system applications. It focuses on the business operations that are occurring and how these demands can be met more effectively to complete the project.

3.2 Evaluation and Utilization of Criteria

We have gathered the most fundamental needs from the internet and the field. Below are some examples.

- Rules and further details for online shopping.
- Return procedure and information.
- Specifications of the product.
- Information on new technology.
- Payment information for online transactions.
- Information about the seller.

Etc.

3.3 Modeling and Overview of Use Case

We have three types of users on this website. The seller and buyer, and the other is the administrator.

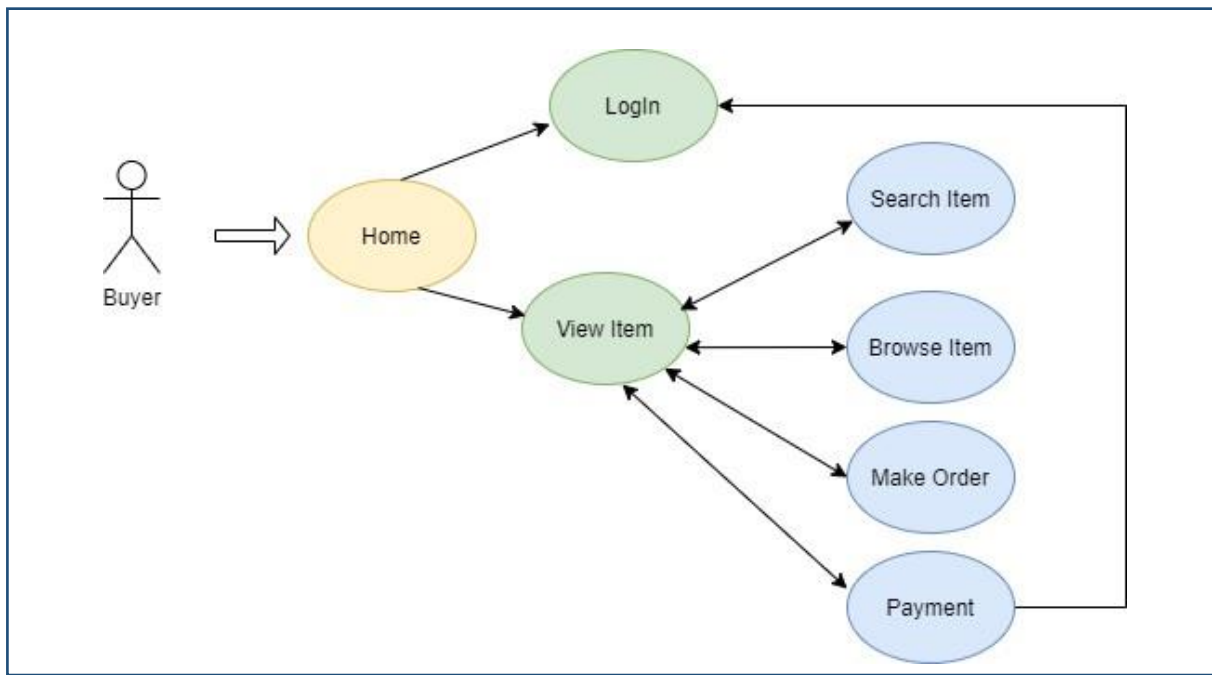


Figure 3.1: Diagram for Buyer Use Case Study.

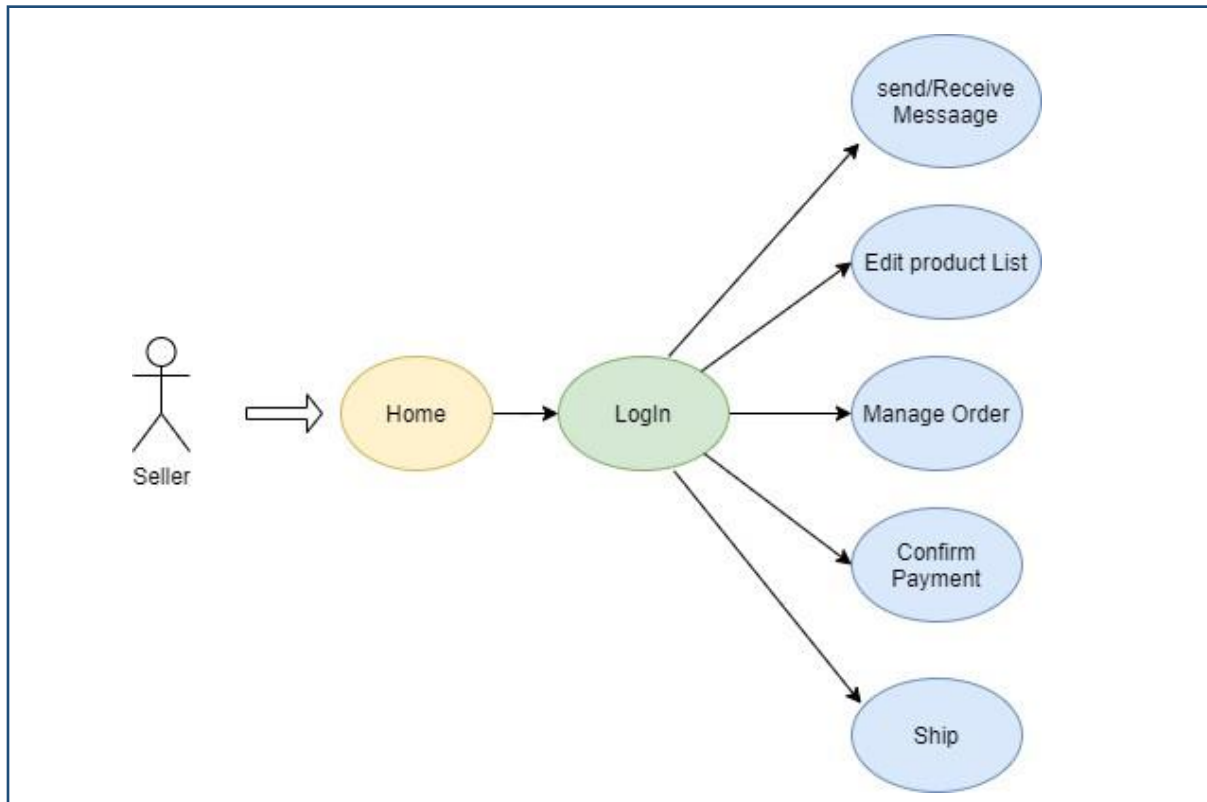


Figure 3.2: Diagram for Seller Use Case Study.

And the administrator kept the application up to date.

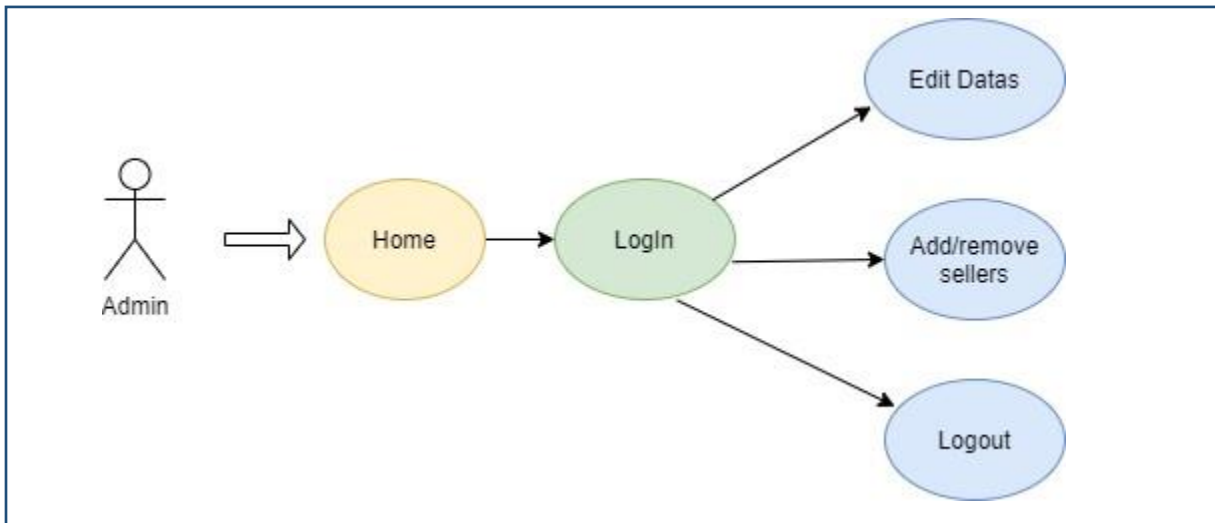


Figure 3.3: Admin's Use Case Diagram.

Table 3.1: Buyers (User) Use Case Diagram Description.

Name	System's User
Main Actor	User
Auxiliary Actor	None
Pre-Condition	Users can't Login without Accounts. For account creation, the user must provide all necessary data.
Delineation	In most cases, a user can browse our system and view all of our services. He will be able to use all of the listed services if he has an account. Purchases are possible. Additionally, they can submit product reviews.
Post-Condition	Give the user a "You Have Successfully Logged In" acknowledgment. He or she will then be able to utilize all of the services.

Table 3.2: Seller (user) Use Case Diagram Description

Name	System's User
Main Actor	User
Auxiliary Actor	None
Pre-Condition	To login, a user must have an account. In order to create an account, the user must provide all necessary information.
Delineation	The user can typically browse the system and view all the services. He/she will receive all of the listed services if they have an account. The administrator can give him or her advice. Both selling and editing of product lists are possible.
Post-Condition	Display the message "You have Successfully Logged In" to the user. Then, he or she can utilize all the services.

Table 3.3: Admin Use Case Diagram Description

Name	System Administration
Main Actor	Admin
Auxiliary Actor	None
Pre-Condition	Without an account admin can't login or manage the system. Developers have already defined the admin account.

Delineation	The application's design is editable and erasable by the admin. A profile may be deleted by the admin. He will have the capacity to direct or oversee the entire system.
Post-Condition	None can access the panel of admin if they don't have login ID and password.

3.4 ER Diagram

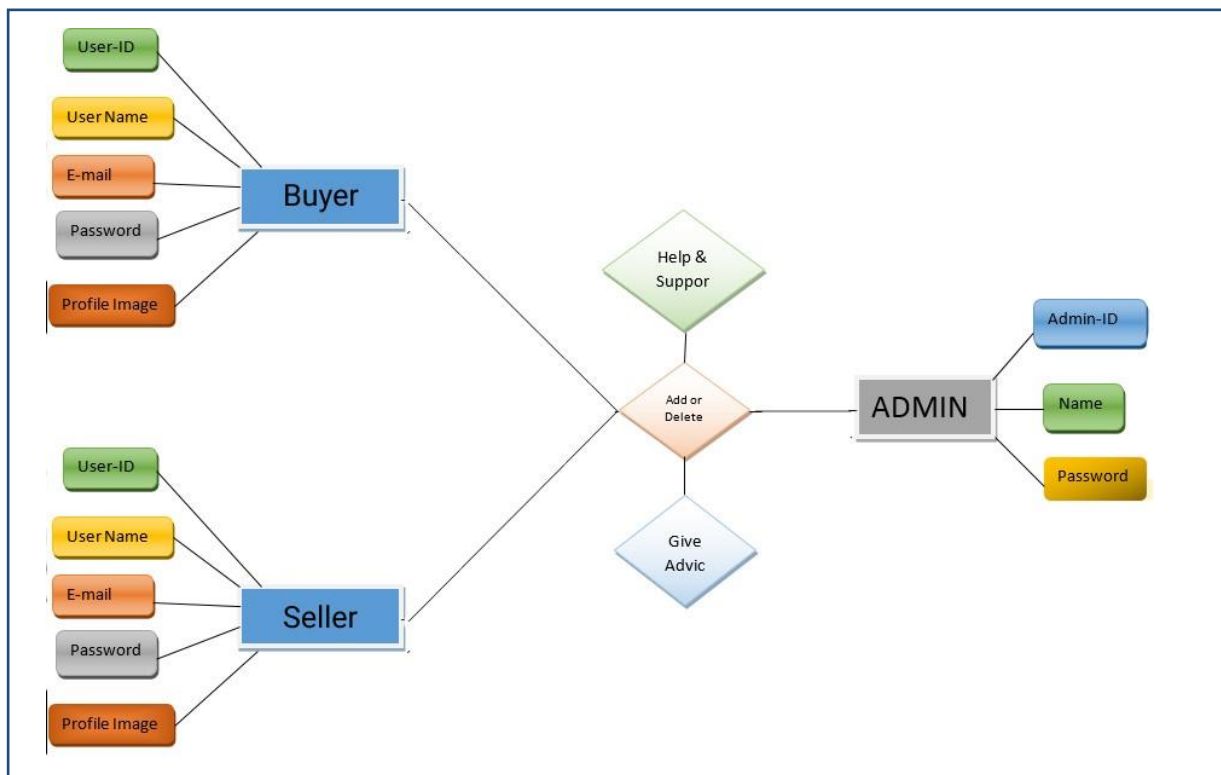


Figure 3.4: ER diagram showing the suggested method

3.5 Class Diagram:

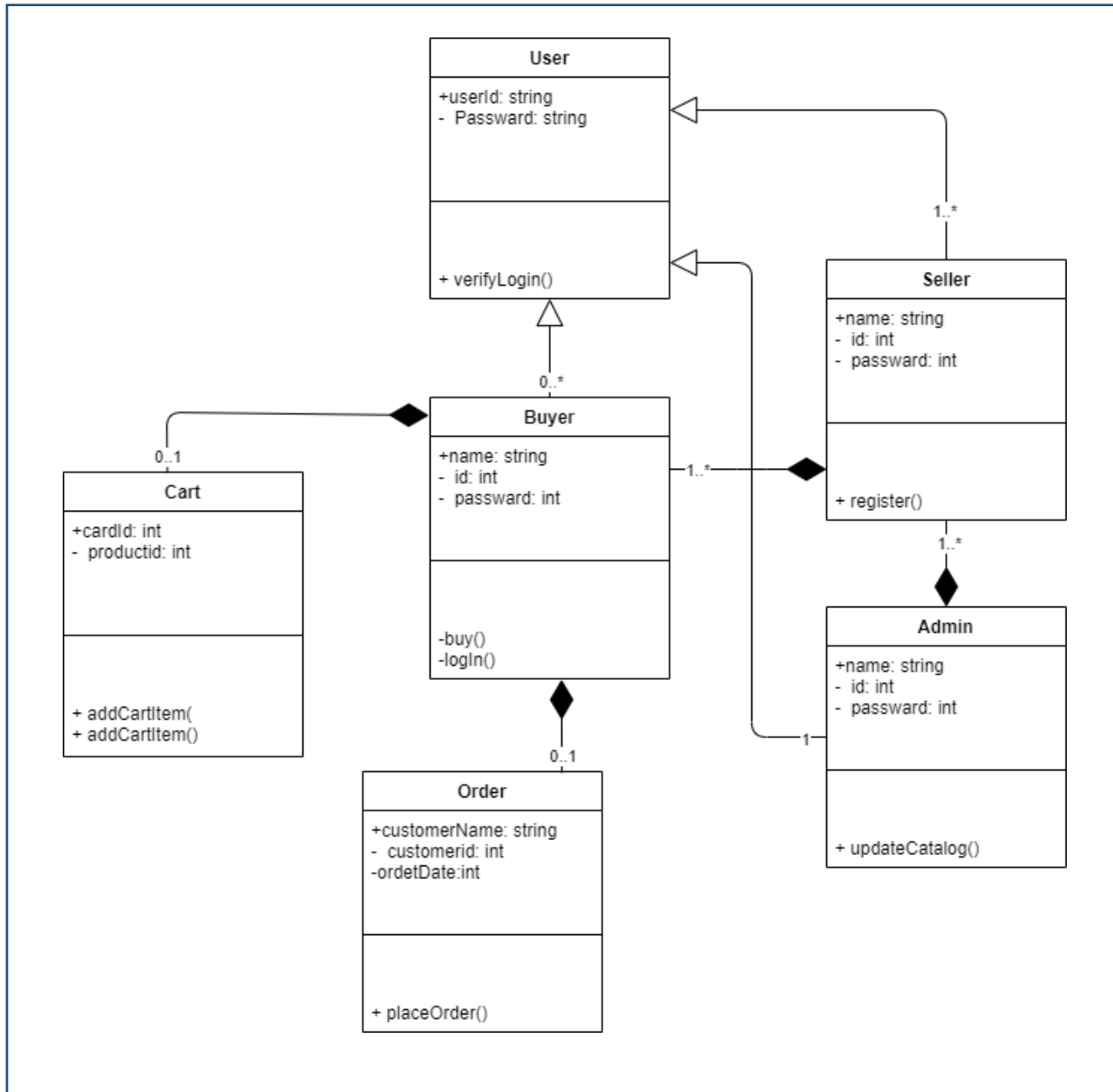


Figure 3.5: Class diagram showing the suggested method

3.5 Design Factors

- Except for the admin, two main user types will use the system. the purchasers and vendors.
- The system administrator will configure the system's default settings.
- Although the buyer will create an account and log in, the seller needs administrative permission to do so.
- In order for the admin to assist them, the user will provide information such as their phone number, name, and email.
- Users who are selling products use their photos in the registration form, for the easier identification of the identity.
- Users can message the admin for guidance.
- Message that was saved in a database, Administrators try to solve their problems.
- To market a product on our website, a user must first log in with their account and post the details and a photo of their product.
- If necessary, the administrator may delete any post or account.
- Before placing an order for products, the customer must check the payment method.

CHAPTER 4

DESIGN DETAILS

4.1 Front-end Design Details

- Three distinct categories of users will use the system: System Administrators, Sellers who will sell goods, and Buyers who will purchase goods.
- Each user will log in using a straightforward form. Email address and password are required for login.

- Will have a forgotten password alternative for recovery or password generation.
- We incorporate sessions where a system user may store login data using browser cookie data.

4.1 Back-end Design Details

- The system administrator will configure the system's default settings.
- User will register and login.
- The user must provide contact details (such as their phone number, name, and email) so that the administrator can help them.
- Users use their photos in the registration form to sell the product, for easier identification of the identity.
- Users (sellers) can message the admin for guidance.
- Buyers communicate with sellers.
- Sellers will be aware of the contract number.
- For information, buyers can contact the sellers.
- Message that was saved in a database, Administrators try to solve their problems.
- To market a product on our website, a user must first sign in with their account and post the details and a photo of their offering.
- If necessary, the administrator may delete any post or account.

4.3 Design of interactions

It takes interaction design to make a system easier for users to use. We took a lot of steps to make our system user-friendly. In order to make it simple for users to interact with the system, we use buttons and icons. We offer a variety of options for choosing. Users can select options rather than manually entering text in certain fields.

4.5 Actualization with Requirements

The combination of technology was used to develop the areas:

Text-encoding System: HTML5

Color and layout: CSS

Coding Languages: PHP, JavaScript

SQL-based Database

Structure: Bootstrap

CHAPTER 5 DEVELOPMENT AND TESTING

5.1 Creation of Database

- To preserve integrity, group-wise SQL requests should be blocked with a single transaction.
- Role-based database user creation was required.
- The DBA will (if necessary) assign each table's permission based on the user's role.
- A sequential procedure is used by the DBMS system to handle DB requests. The following process (Execution and Parsing Process) is illustrated:
- The SQL Parser receives the SQL request and saves it in the code cache.
- The SQL executor accepts the parsed code.
- The inquiry then verifies the user authorization for the relevant table.
- Once that transaction has begun.
- The respected table's data is kept in cache till the transaction is complete.

- Once a transaction is complete, the table's new information is stored on disks.

5.2 Front-end Design Execution

Admin Access

This is the first page of the system we have created. There are five different user types in our system, and each one may log in using this form. And after signing in, users may do actions based on the user type and set role.

Login

Welcome back! Sign in to your account.

Username or email address *

Password *

Remember me

Log in

[Lost your password?](#)

Register

Create new account today to reap the benefits of a personalized shopping experience.

Email address *

Password *

I am a customer
 I am a vendor

Register

Sign up today and you will be able to :

- ✓ Speed your way through checkout.
- ✓ Keep a record of all your purchases

Figure 5.1.1: Login Page.

Figure 5.1.2 depicts the admin interface, where the administrator may view user data and remove a user's account if necessary.

All the Users

User Id	User Name	User E-mail	User Pass	Delete User
1	Mamun	m@gmail.com	21c3134ee5edcb618c4f9aae358d73a	Delete
2	anu	a@gmail.com	21c3134ee5edcb618c4f9aae358d73a	Delete
3	saku	s@gmail.com	21c3134ee5edcb618c4f9aae358d73a	Delete

Figure 5.1.2: Display and remove user accounts.

Homepage: The first page after logging in “grieco.com.bd ” we get this page . Figure 5.2 depicts the specifics of our website.

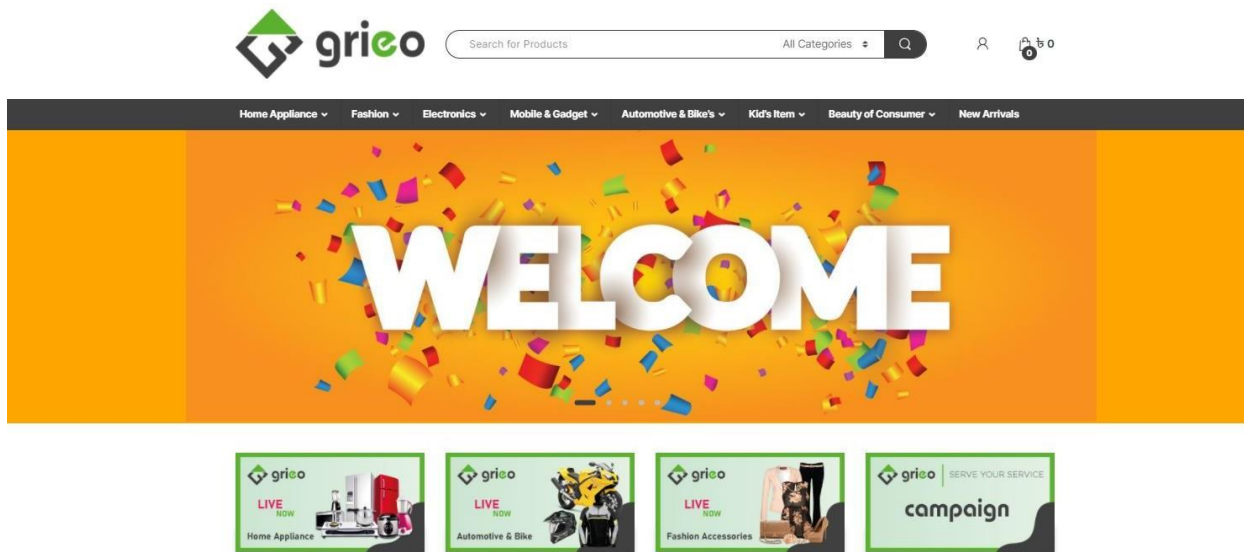


Figure 5.2: Homepage

In header, there is our website logo, search bar and a menu bar. The navigation bar allows users to go further into various sites.

Featured Product: Figure 5.3 depicts the featured products. Some goods are highlighted on the site. Those are the most popular and searched-for things.

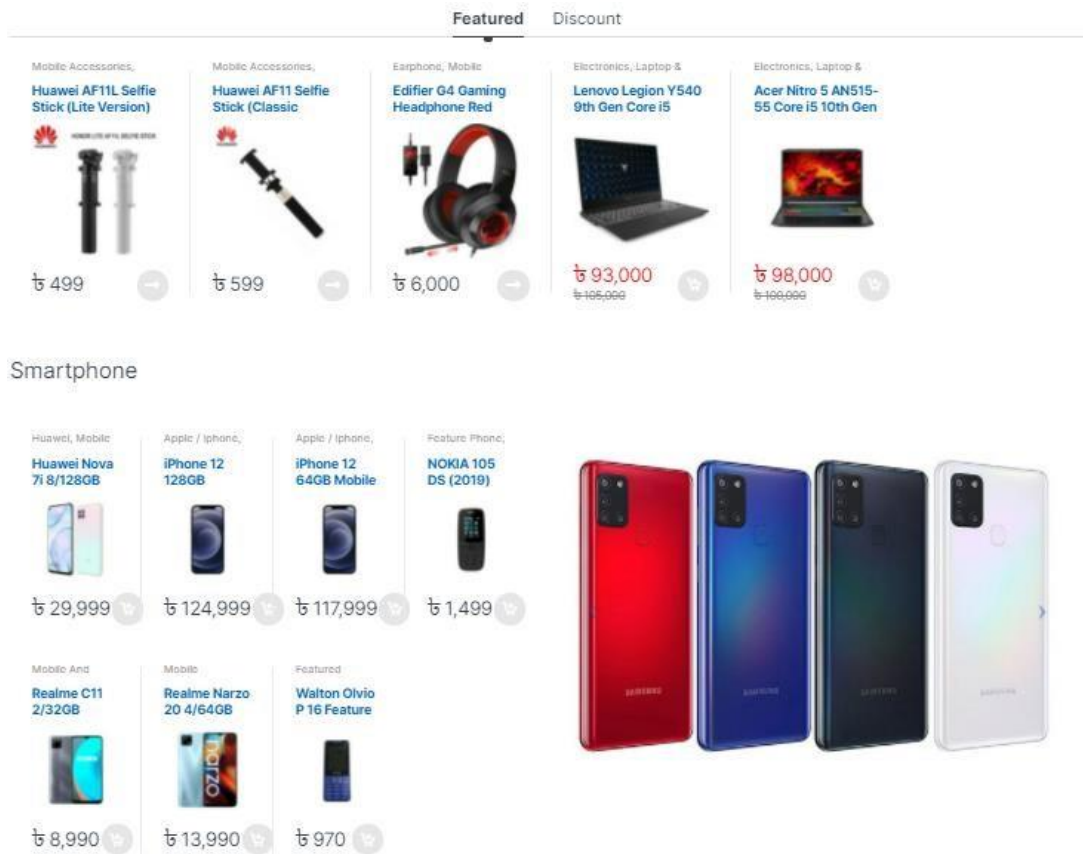


Figure 5.3: Featured products

Product Details: The First view of a product details. When the user (buyer) click on a product to know more about this product.

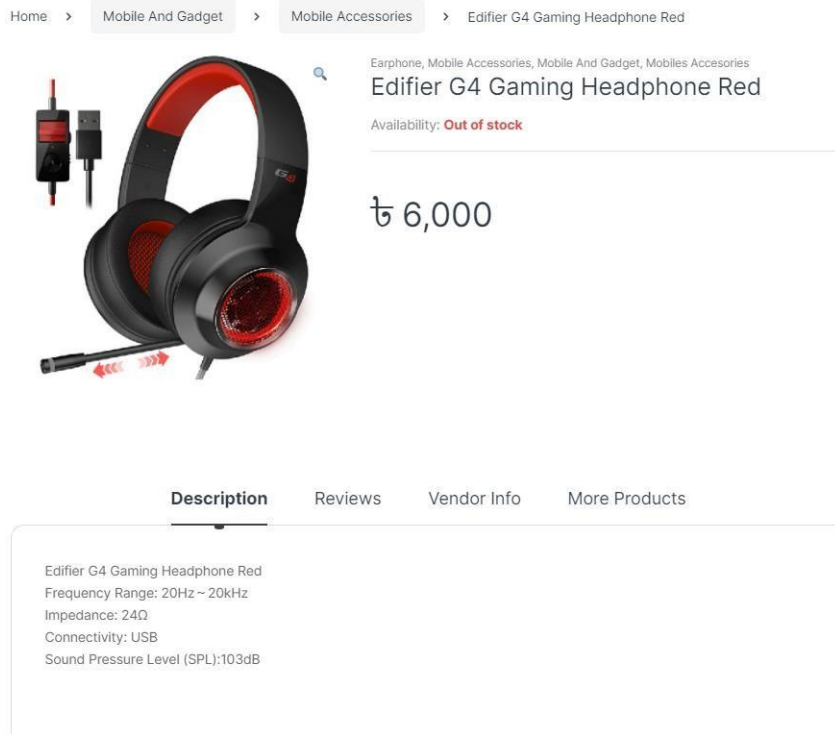


Figure 5.4: Product details

Product details have 4 parts

- Description: Product details
- Reviews: Other user reviews
- Vendor Info: Seller details and contact
- More Products: Similar Products

Vendor info: Seller Details and Contact Info. If the customer (buyer) wants to know about the vendor he/she can see vendor details from this page.

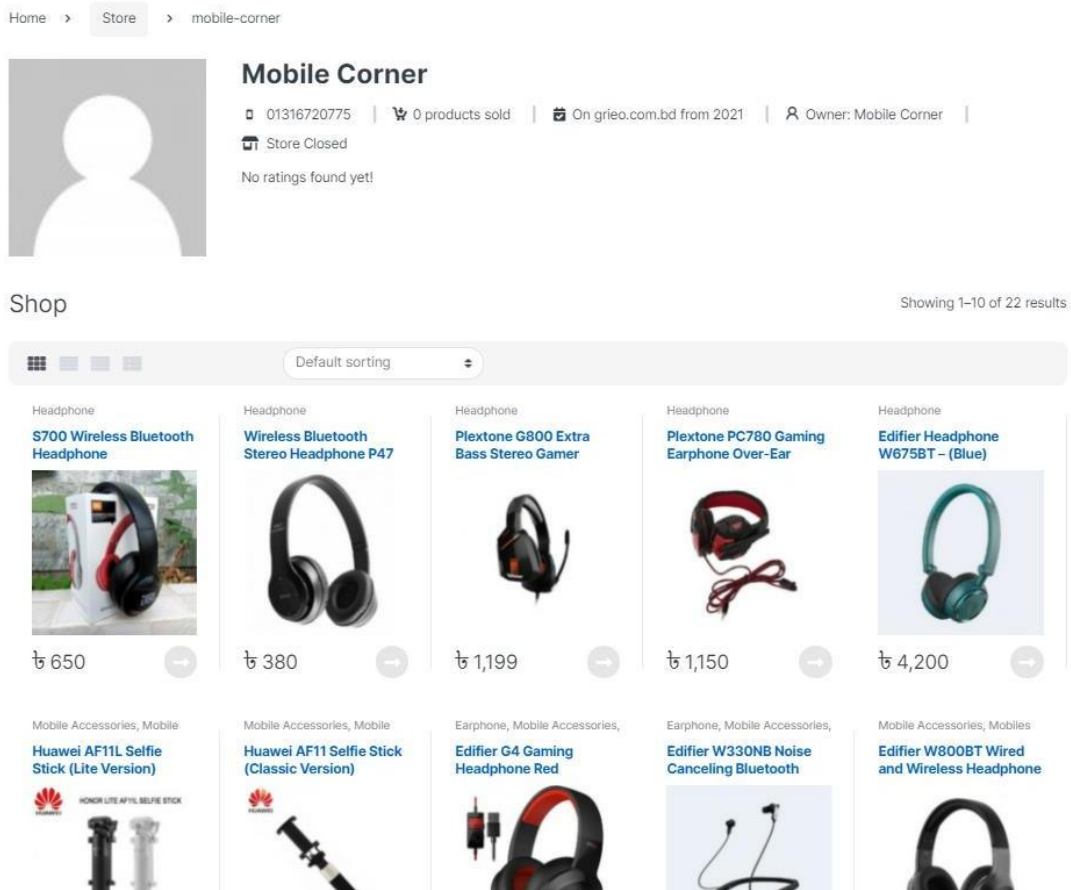


Fig 5.5: Vendor info

Search Bar: User can search product and choose from any category.

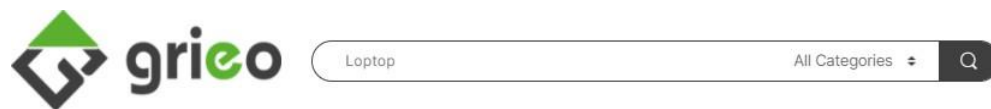


Fig 5.6: search Bar

Cart: When user want to buy a product they can add it to cart. They can add or delete products from cart.

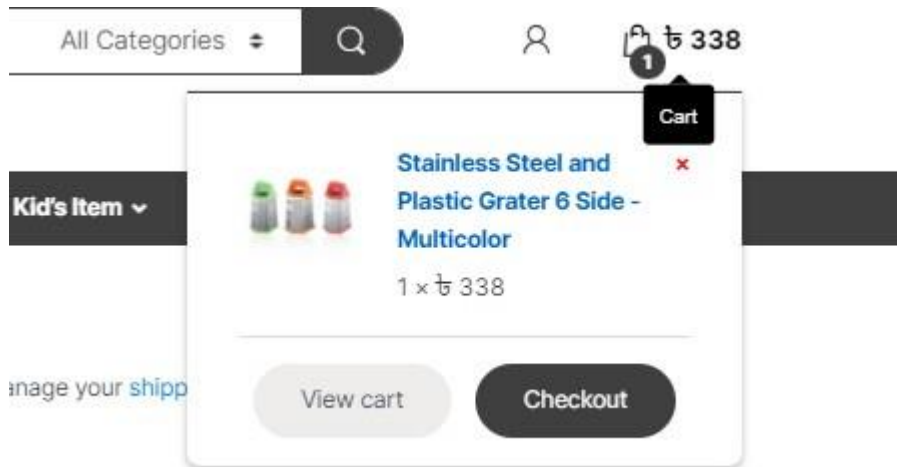


Fig 5.7: Products in cart

Our products

We products are categorized into different parts:

Home Appliance

Fashion

Electronics

Mobile & Gadget

Kids Item

Beauty of Consumer

Automotive & Bikes

New Arrivals

Menu bar: User can choose from different menu.



Figure 5.8: Menu bar.

Home Appliance: Products that are commonly used at home. This category sells the kitchen items.

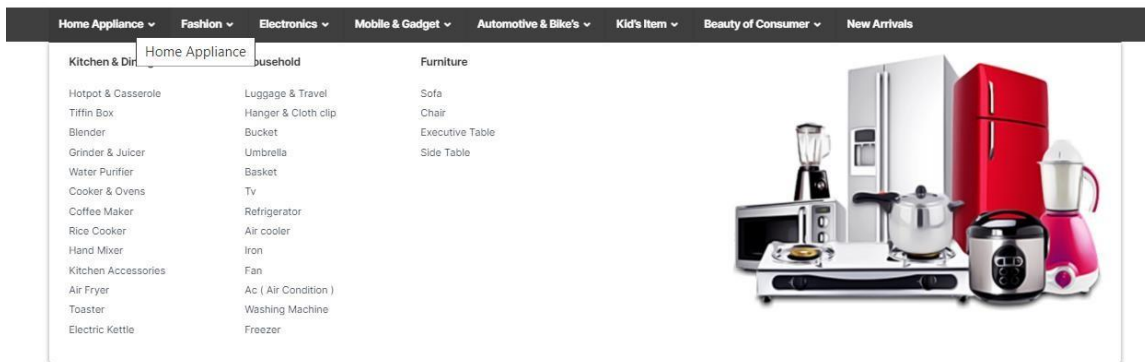


Figure 5.9: Home appliance

Fashion: Fashion products for both male and female. Fashion is for all the gender.

People can choose their dress from here.

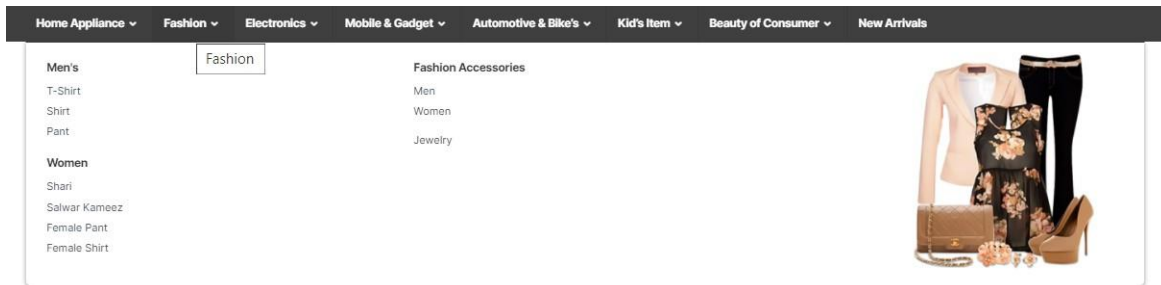


Figure 5.10: Fashion products.

Electronics

Everyday Electronics products. Products like laptop and mobile are popular in this category.

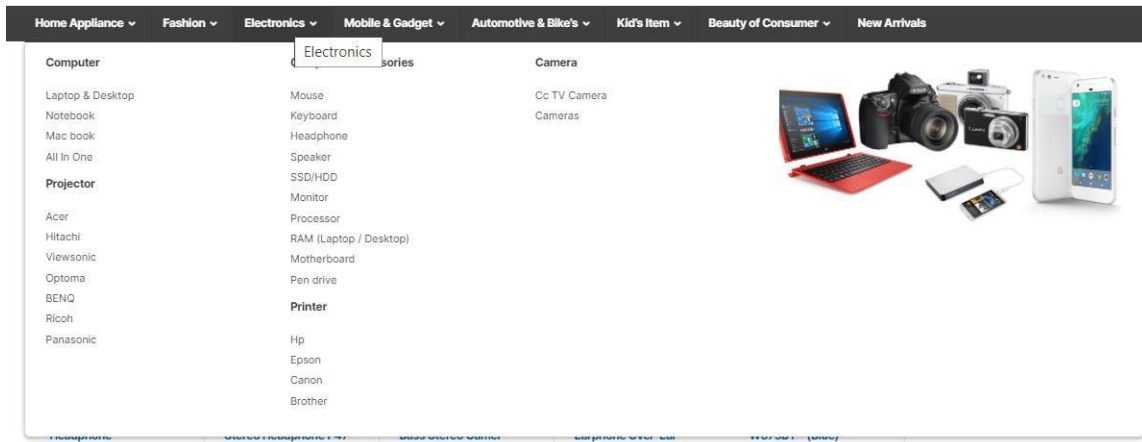


Figure 5.11: Electronics

Automotive & Bikes

Car and bike parts and new bikes can be found here.

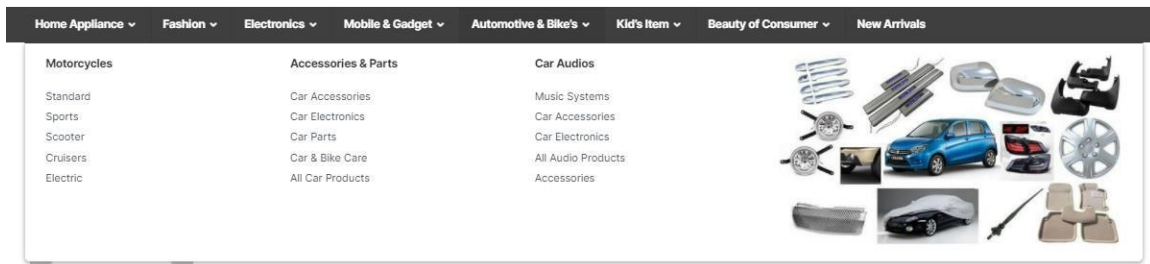


Figure 5.12: Automotive & bikes

Kids Item: Toys and clothing for children are available. Babies and children develop quickly and stores stepping in to accommodate parents in need of toys, clothing, and accessories are expanding at a similar rate.

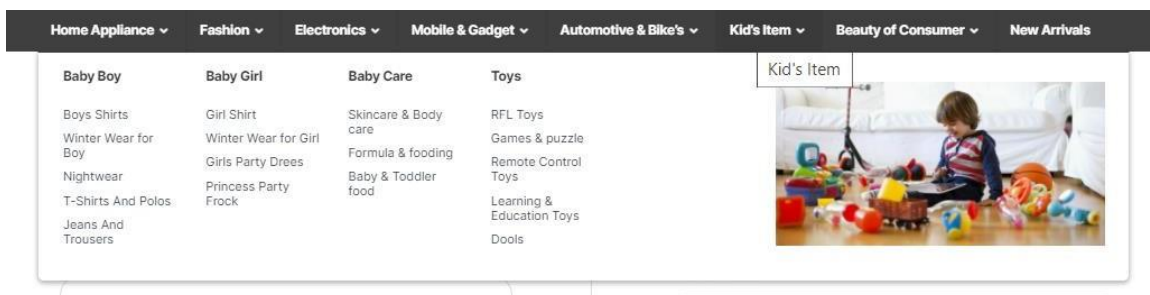


Figure 5.13: Kids item

Beauty of Consumer: The beauty and personal care business has expanded dramatically in recent years. What was once a physical-store-only sector is now sweeping over e-commerce, with its websites, subscription boxes, social networks, on-demand services, and everything else that comes with it.

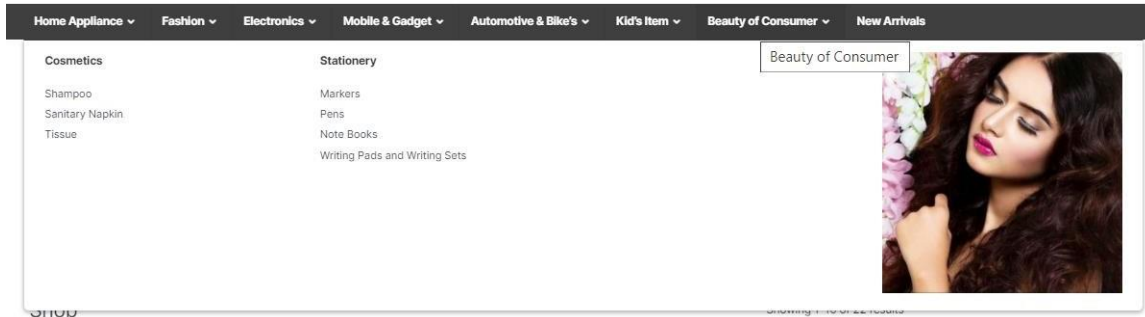


Figure 5.14: Beauty of consumer

Related products

When we search a product, we get similar or related products. User then can choose from different options.

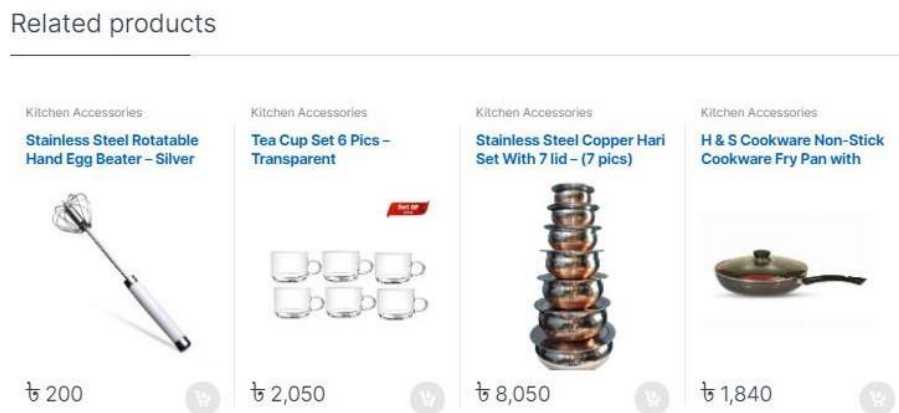


Figure 5.15: Example of related products.

Mens T-Shirt: Shirts for men. Among all other products in men category t-shirt is the most sold item. Its primary customer is the younger generation.

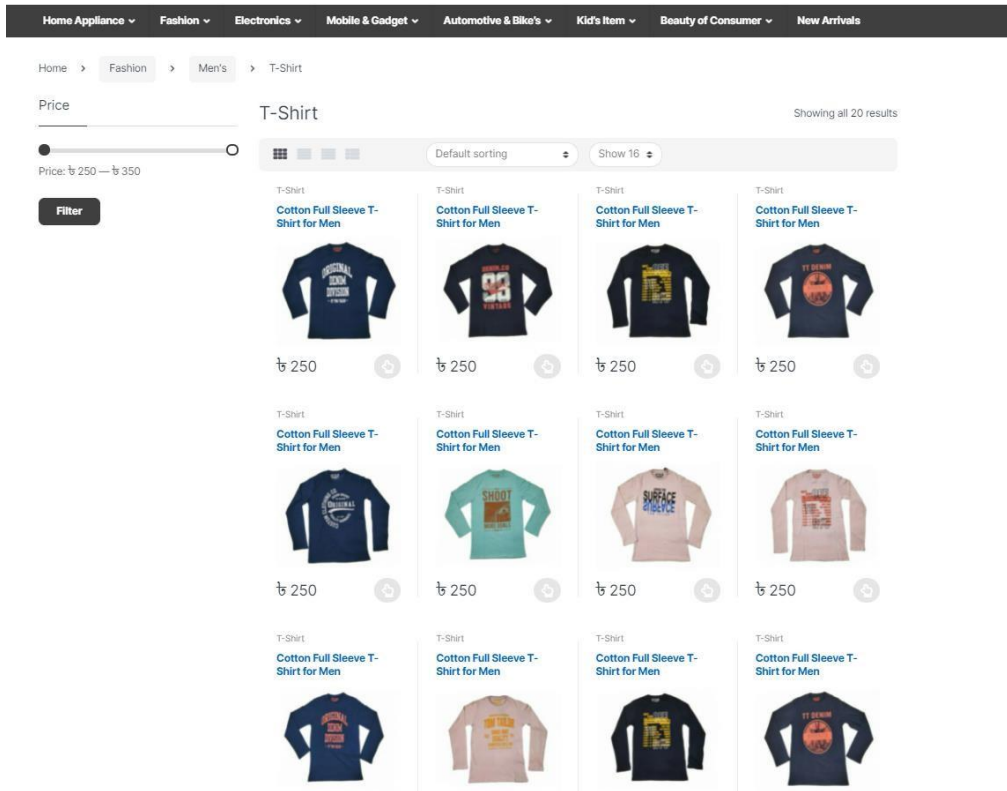


Figure 5.16: Men T-Shirt

Salwar kameez for women: Women dresses. Women usually buy more dress from online than man.

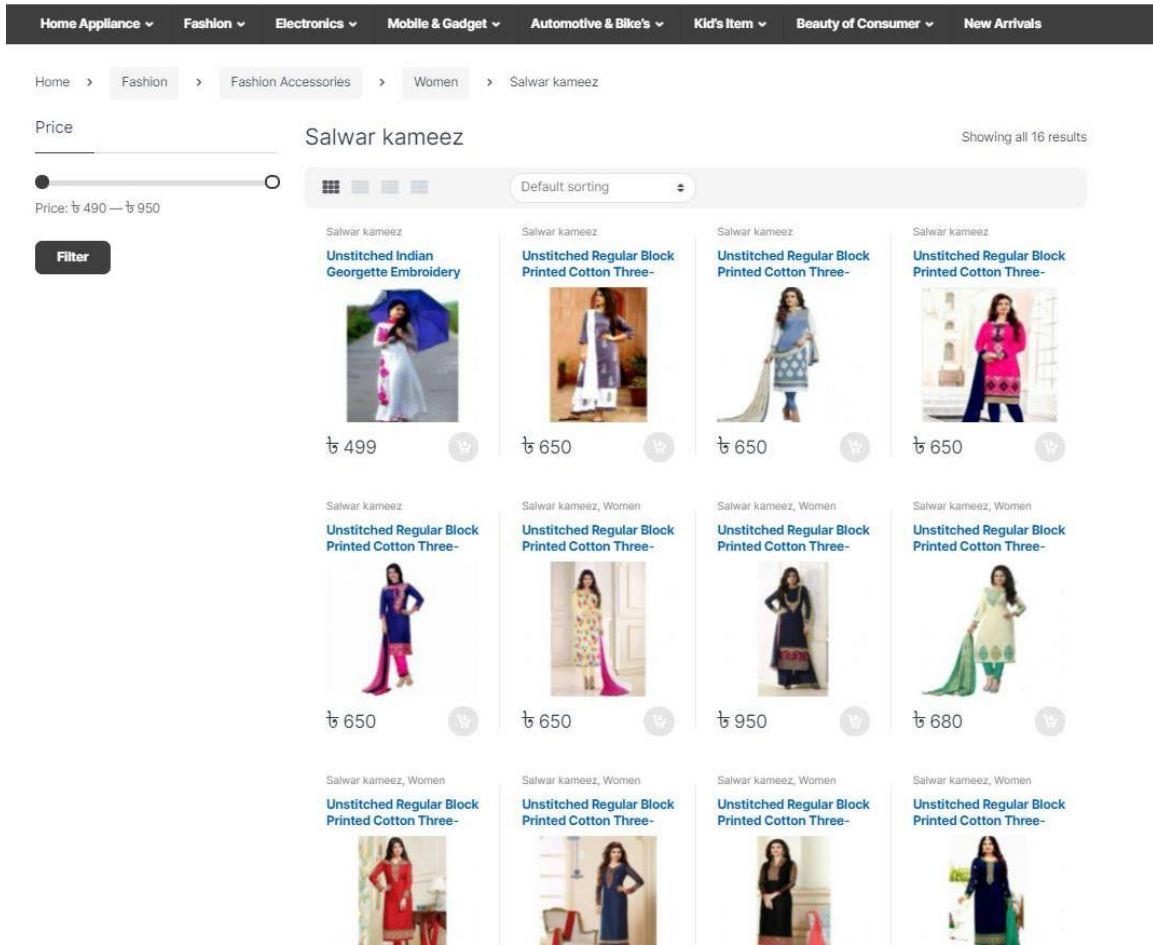


Figure 5.17: Salwar kameez

Price Range: Price range helps the user to find product within their budget.



Figure 5.18: Price range.

Price Cut: Price cuts during festivals attract customers. People like offers and big deals. It's a way of attracting customers. When they see a good discount, they are very interested. During Eid, many companies give offers in our country.



Electronics, Laptop & Desktop

Lenovo Legion Y540 9th Gen Core i5 GTX1650 4GB Graphics 15.6" FHD Gaming Laptop with Win 10

Features

- Model: Lenovo Legion Y540
- Intel Core i5-9300H Processor (8M Cache, 2.40 GHz up to 4.10),
- 8GB RAM +256GB SSD + 1TB HDD
- NVIDIA GTX1650 4GB Graphics
- 15.6" FHD(1920×1080) Anti-glare Display


₹ 93,000 ~~₹ 105,000~~

1 Buy Now Add to cart

Figure 5.19: Price cut.

Out Of Stock: When the product is out of stock, it will show out of stock. It will help the user avoid wasting time looking for that product.

Home > Electronics > Computer Accessories > Headphone > Edifier Headphone W675BT – (Blue)



Headphone
Edifier Headphone W675BT – (Blue)
Availability: **Out of stock**

₹ 4,200

Description Reviews Vendor Info More Products

Edifier Headphone W675BT – (Blue).
Driver Unit: 40mm Neodymium drivers.
Bluetooth Version: Bluetooth V4.1.
Supported Profiles: HFP, HSP, A2DP, AVRCP.
Frequency Response: 20Hz ~ 20kHz.
Sound Pressure Level: 97dB.
Impedance: 32Ohm.
WEIGHT: 0.132kg.
Foldable design for enhanced portability.
Pair multiple devices.

Figure 5.20: Out of stock.

Billing Address: User need to fill up their billing address.

Dashboard

Orders

Downloads

Addresses

Account details

Logout

Billing address

First name *

Last name *

Company name (optional)

Country / Region *
Bangladesh

Street address *

Town / City *

District *

Postcode / ZIP (optional)

Phone *

Figure 5.21: Billing address

Account Details: The Users List contains general information for all registered user. User can change their password from here.

The screenshot shows a user interface for account management. On the left is a sidebar menu with the following items: Dashboard, Orders, Downloads, Addresses, Account details (highlighted), and Logout. The main content area contains a form with the following fields and sections:

- First name ***: Input field containing "Fuad".
- Last name ***: Input field containing "Hossain".
- Display name ***: Input field containing "Fuad". Below it is a note: "This will be how your name will be displayed in the account section and in reviews".
- Email address ***: Input field containing "catlog01@gmail.com".
- Password change**: A section with three input fields:
 - Current password (leave blank to leave unchanged)**: Input field with masked characters "*****".
 - New password (leave blank to leave unchanged)**: Empty input field.
 - Confirm new password**: Empty input field.
- Save changes**: A button at the bottom of the form.

Figure 5.22: Account details.

My Account: User can log out from my account. See account details, change address etc.

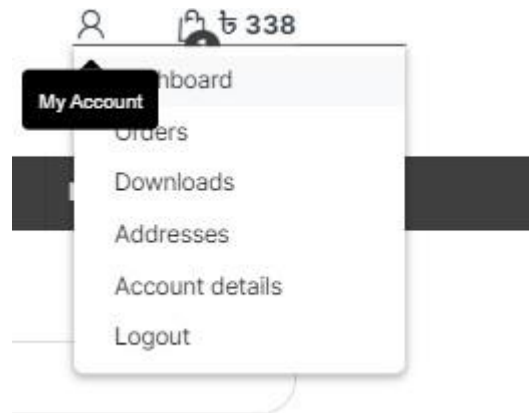


Figure 5.23: My account.

Emergency Contact: In case of emergency need used can contact support line and get solutions.

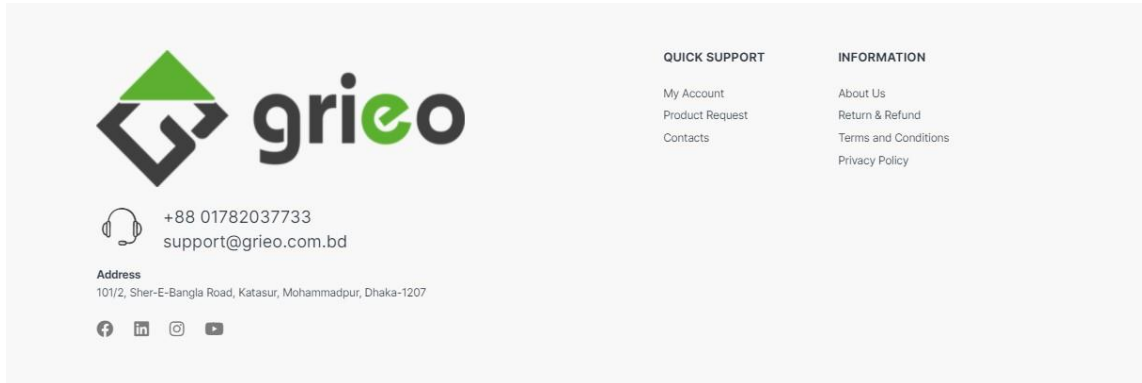


Figure 5.24: Emergency Contact.

Payment Method: Our focus is to reach as many customers as possible. We do not want to lose clients because of payment problems. We accept payment through the following options:

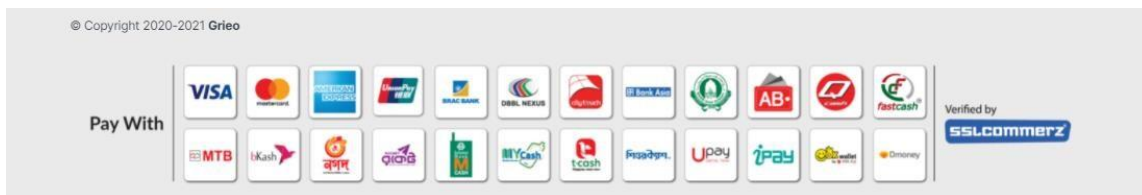


Figure 5.25: Payment Options

5.3 Effectiveness of Interactions

We built an interactive user interface to make our system more user pleasant. In many occasions, an interactive icon was utilized instead of a text link or a button. The method was built with a series of sequential phases to assist rural people. We created a new website to make it easier to learn. As a result, this is solely applicable to bangle wearers.

The incremental method is the antithesis of the big bang technique. The software is built and tested in short increments, making problems simpler to find and rectify interfaces more likely to be thoroughly verified, and a systematic test strategy may be used.

5.4 Testing Implementation

Testing implementation is the process of testing the impending implementation of a system, in which the tester or system architect examines examples and specifications to see whether they are implementable or have restrictions. The following parameters are required for implementation testing:

- **Technologies used:** HTML, CSS, PHP, Client-side Scripting language, images save, posting image etc.
- **Website type:** E-commerce website.
- **Language of the web:** English (USA).

It is necessary to verify that the website will assist in performing all main activities. Content support, as well as cross-site and cross-domain checking difficulties, have to be taken into account.

5.5 Outcome Reports

We carried out the necessary test cases in accordance with the development requirements. Different experiments have been created for a given procedure, and all test case results have been kept in order to evaluate all outcomes. This will assist in making more accurate decisions.

To make better decisions, we conducted cycle-based and automated testing. It has been released once the test findings are deliverable.

CHAPTER 6

SUMMARY AND FUTURE PERSPECTIVES

6.1 Discussion and Verdict

E-commerce is a significant component of the economy and is essential to companies that do business online. Businesses may reach more clients through e-commerce than through conventional retail. The retail market that is expanding the fastest is the one where so many consumers make their purchases online. People will have the opportunity for passive earnings. It will boost our economy. In the following sector, we can expand:

- Technology and startups.
- The launch of a small business.
- Marketing.

6.2 Potential for Future Developments

We'll create use of the more recent features in light of evolving communication technologies. On the e-market page, we'll provide a live audio chat box option. Additionally, we would like to develop intelligent vendor-user communication. We'll make an effort to locate the product. We will employ strong and secure payment methods for all types of users.

REFERENCES

- [1] What are the Objectives of Ecommerce? – An Expert Guide, available at << <https://www.builderfly.com/what-are-the-objectives-of-ecommerce-an-expert-guide/> >>, last accessed on 06-06-2021 at 12:00pm.
- [2] THE FUTURE OF ECOMMERCE: HOW ECOMMERCE WILL CHANGE IN 2021 AND BEYOND, available at << <https://www.oberlo.com/blog/future-of-ecommerce> >>, last accessed on 06-06-2021 at 12:00pm.
- [3] What are the Benefits of e-Commerce to Your Business? available at << <https://digitalmarketinginstitute.com/blog/what-are-the-benefits-of-e-commerce-to-your-business> >>, last accessed on 06-06-2017 at 12:00pm.
- [4] E-Commerce of Bangladesh in the next five years: What to expect? available at << <https://www.thedailystar.net/supplements/30th-anniversary-supplements/going-digital/news/e-commerce-bangladesh-the-next-five-years-what-expect-2043981> >>, last accessed on 06-06-2021 at 12:00pm.
- [5] What Is E-commerce? Definition, Types and Importance, available at << <https://www.indeed.com/career-advice/career-development/what-is-ecommerce> >>, last accessed on 06-07-2021 at 12:00pm.
- [6] E-commerce of Bangladesh: Shaping the future of shopping, available at << <https://idlc.com/mbr/article.php?id=136> >>, last accessed on 06-07-2021 12.00pm.
- [7] Future of E-commerce in Bangladesh, link << <https://dhrubokinfotech.com/future-of-e-commerce-in-bangladesh/> >>, last accessed on 06-06-2021 12.00pm.

APPENDICES

Project Cogitation: I began working on creating a really engaging and interactive platform in the Spring 2021 semester so that consumers could simply browse things and make purchases online.

The project will be highly beneficial for the new e-commerce company's expansion. The unemployment rate will go down because new local company owners will find a method to market their goods. There will be new jobs established, such as delivery men. Our success will encourage others to expand their internet businesses.

Therefore, we anticipate that our "grieco.com.bd" will assist our people to regain their faith in online shopping while also boosting the local economy.