

Qourin Shopping Store: A WEB BASED APPLICATION

BY

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This Report Presented in Partial Fulfillment of the Requirements for the Degree of
Bachelor of Science in Computer Science and Engineering

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Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

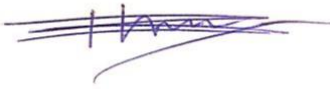
APRIL 2021

APPROVAL

The Project is titled “**Qourin Shopping Store**”, submitted by **Ebrahim Khan ID: 171-15-8885** to the Department of Computer Science and Engineering, Daffodil International University, has been allowed as adequate for the partial fulfillment of the specifications for the degree of B.Sc. in Computer Science and Engineering and accepted as to its bearing contents. This Presentation has been held on

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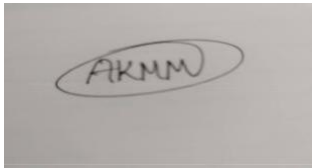
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DECLARATION

We hereby represent that this project has been done by us following the supervision of **Mr. Abu Khalid Mubashshir Mahmud, Lecturer of Department of CSE**, Daffodil International University. We also declare that not this project neither any part of this project has been presented away for the citation of any degree or diploma.

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We would like to express our heartiest gratitude to Professor **Dr Touhid Bhuiyan**, Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of the CSE department of Daffodil International University.

We would like to thank our whole classmate in Daffodil International University, who took part in this study while performing the course work.

Finally, we need to declare with due respect the continuous support and patients of our parents.

ABSTRACT

The report is “Qourin Shopping Store” in a web-based application. It is a web application where its main purpose is to serve good Quality Products to the customers and Sellers to find out better Commissions. Customers can buy Various Products staying in the home according to their needs and Sellers can find out an expected Profit sitting in the Home. In this web application, we have tried to work with some unique features which are different from others applications. hypertext markup language(HTML), Cascading Style Sheets(CSS), bootstrap, javascript, and jquery for the front-end design, PHP and PHP’s framework Laravel for back-end, phpMyAdmin Server for the database have been used to develop this project. When All functions have been implemented, this application works successfully.

TABLE OF CONTENTS

CONTENTS	PAGE
Board of Examiners	i-ii
Declaration	iii
Acknowledgments	iv
Abstract	v
CHAPTER	
CHAPTER 1: INTRODUCTION	1-2
1.1 Introduction	1
1.2 Motivation	1
1.3 Objective	1
1.4 Expected Outcome	2
1.5 The layout of the Report	2
CHAPTER 2: BACKGROUND STUDIES	3-8
2.1 Preliminaries/Terminologies	3
2.2 Related Work	3-7
2.3 Comparative Analysis	7
2.4 Scope of Problem	7
2.5 Challenges	8
CHAPTER 3: REQUIREMENT SPECIFICATION	9-17
3.1 Business Process Modeling	9
3.2 Requirement Collection and Analysis	11
3.3 Use case Modeling and Description	13-14
3.4 Flow Chart	15
3.5 Design Requirement	17
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CHAPTER 4: DESIGN SPECIFICATION **18-19**

4.1 Design Specification	18
4.2 User Satisfaction	18
4.3 Front-end Design of Project	18
4.4 Back-end Design of Project	18
4.5 Implementation of Requirement	19
4.6 Project Interaction	19

CHAPTER 5: IMPLEMENTATION AND TESTING **20-27**

5.1 Implementation of Database	20
5.2 Implementation of Front-end Design	21-32
5.3 Testing Implementation	33-34
5.4 Test Result and Report	34-35

CHAPTER 6: IMPACT ON SOCIETY, ENVIRONMENT AND SUSTAINABILITY	36
6.1 Impact on Society	36
6.2 Impact on Environment	36
6.3 Ethical Aspects	36
6.4 Sustainability Plan	36
CHAPTER 7: CONCLUSION AND SCOPE OF FUTURE WORK	37
7.1 Conclusion	37
7.2 Scope of Future Development	37
7.3 Limitation of Project	37
REFERENCES	38
APPENDIX	39

LIST OF FIGURES

FIGURES	PAGE
Figure 2.2.1: chaldal	4
Figure 2.2.2: rokomari	5
Figure 2.2.3: daraz	6
Figure 3.1.1: Business Process Modeling	10
Figure 3.2.2.1: User ER Diagram	12
Figure 3.2.2.2: Admin ER Diagram	13
Figure 3.3.1: Use case Diagram	14
Figure 3.4.1: User Flowchart	15
Figure 3.4.2: Admin Flowchart	16
Figure 5.1.1: Database	20
Figure 5.2.1: Home Page	21
Figure 5.2.2: Signup or Registration	23
Figure 5.2.3: Sign in or Login	24
Figure 5.2.4: Profile Page	25
Figure 5.2.5: Post Create	25
Figure 5.2.6: Update Profile	25
Figure 5.2.7: Update Password	26
Figure 5.2.8: About us Page	27
Figure 5.2.9: All Post Page	29
Figure 5.2.10: Contact us Page	29
Figure 5.2.11: Admin Login	31
Figure 5.2.12: Admin Dashboard	31
Figure 5.2.13: Admin Profile Update	32
Figure 5.2.14: Admin Password Update	32

CHAPTER 1

INTRODUCTION

1.1 Introduction

In this web application, customers can find expected Products and get the products by Home Delivery choosing a Cash On Delivery Payment method. There will be no necessity for a Customer's physical appearance to find Grocery Things from the market because it's an online shop. In this web application, all user details will be verified.

In this web application, we have tried to work Very Easy to make at the lowest price for Buyer and Seller selling increase rapidly different from others application even covid -19 pandemic.

1.2 Motivation

We deploy a site (Qourin Shopping Store) whose name will be 'Qourin' for our final year project defense. By which customers can find expected grocery Things also sellers or owners can find expected profit without physical work even pandemic.

It's a well-developed web-based site started in this pandemic for safe and secure people. Besides, making hazards and hassle-free shopping from a home setting also site owners make money from this pandemic time. On this site, all the products are well organized and customer user interfaces are good to view to help them as a real market experience. The payment method is easily trusted and secured.

1.3 Objective

We see in this pandemic huge country people are affected in covid19 for reason going to market or going to shopping grocery things so we wanted to make a trusted and secure things to make safe them from affected in pandemic so we build online grocery shop a site to help them. Other times we see the online market and the real market are not the same. Online product quality is so bad and customers always complain. Besides, the seller cannot make a

profit in the situation so we proposed a good building site for selling grocery things in the rules.

1.4 Expected Outcome

We deploy a web site plan to business in future online wise this site helps customers to shop real marketplace experience especially its user interface. In this pandemic, people can be safe and secured and trusted except affecting in covid. Besides helping them to buy without any hassle and sellers make money in this pandemic.

1.5 The layout of The Report

- In the Report Chapter-1, we are discussing objective, motivation, and project expected outcome.
- In the Report Chapter-2 we will present this project's "Background" and "Challenges". We will define the fields and challenges of the project.
- In the Report Chapter-3, we will present Requirement Specification.
- In the Report Chapter-4, we will present Design Specification, Implementation, and Testing. present Front-end and Back-end design.
- In Report Chapter-5, we presented the project's future deployment.
- Related references have been given at the end of the project.

CHAPTER 2

BACKGROUND STUDIES

2.1 Preliminaries/Terminologies

This Part is required for ours because we will discuss similar relevant work applications that already exist on the net. So, what are the reasons we invented this application? Another application, User Interface is very complicated which is not clear to understand. We supplement secure and easy Web applications. We are enthusiastic about this website that it will help and be effective for all Customers, Buyer, Seller, User, and Admins.

Programming tools are following:-

- hypertext markup language (HTML)
- Cascading Style Sheets (CSS)
- BOOTSTRAP
- JAVASCRIPT
- JQUERY
- PHP

2.2 Related Work

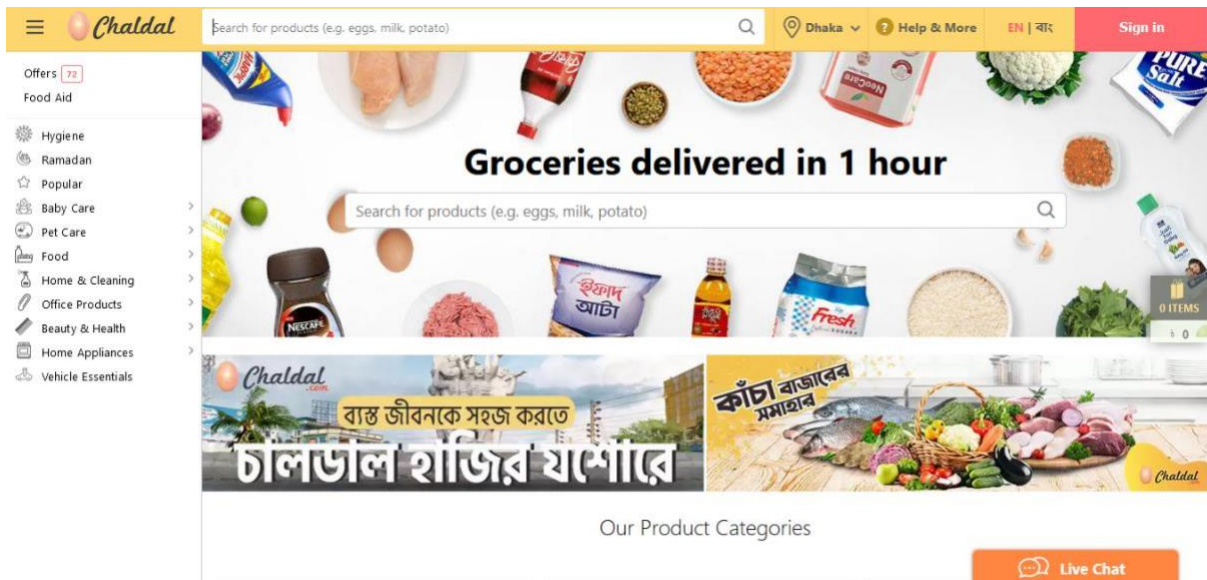


Figure 2.2.1: Chaldal

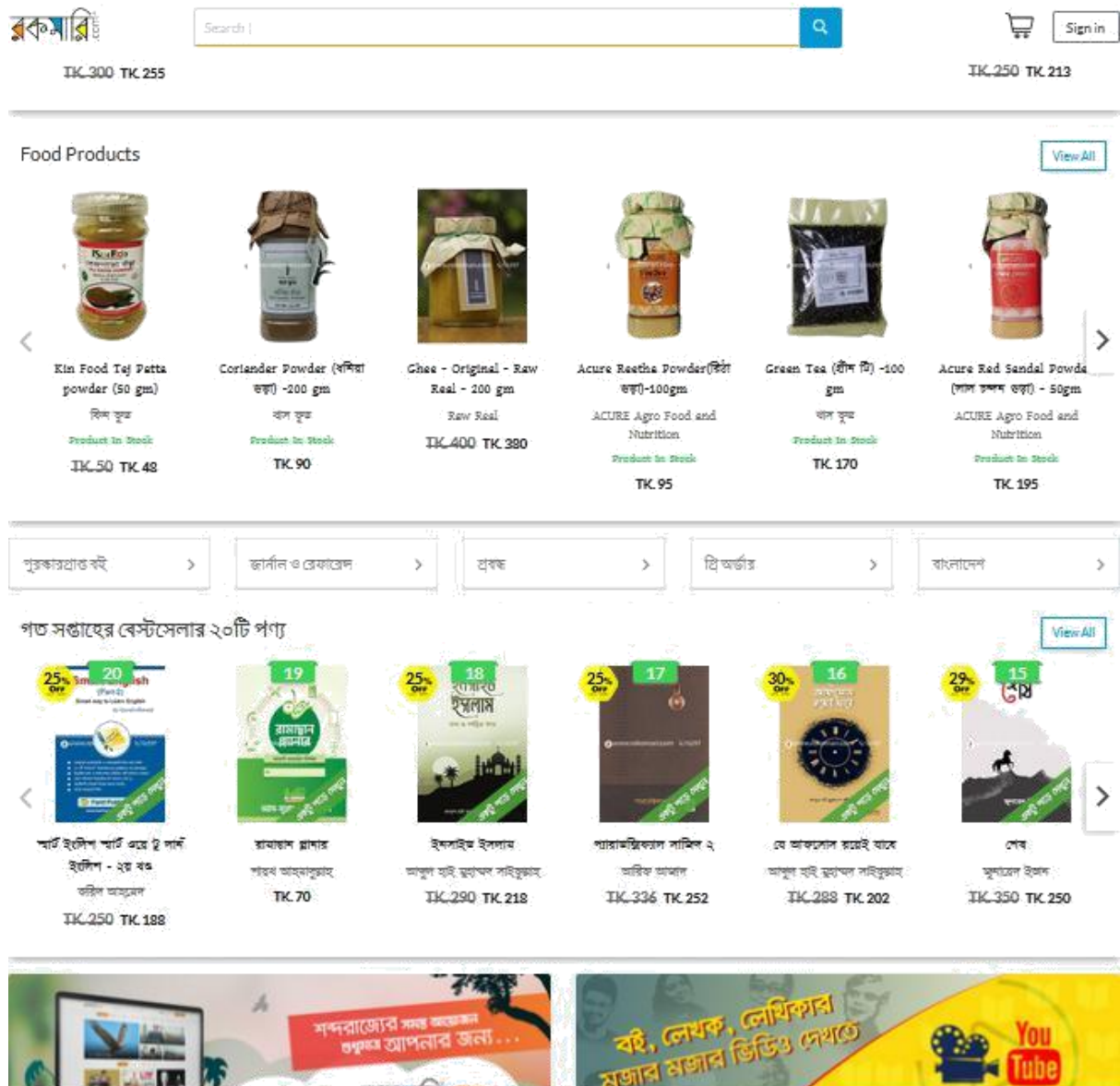


Figure 2.2.2:Rokomari



Figure 2.2.3: boimela

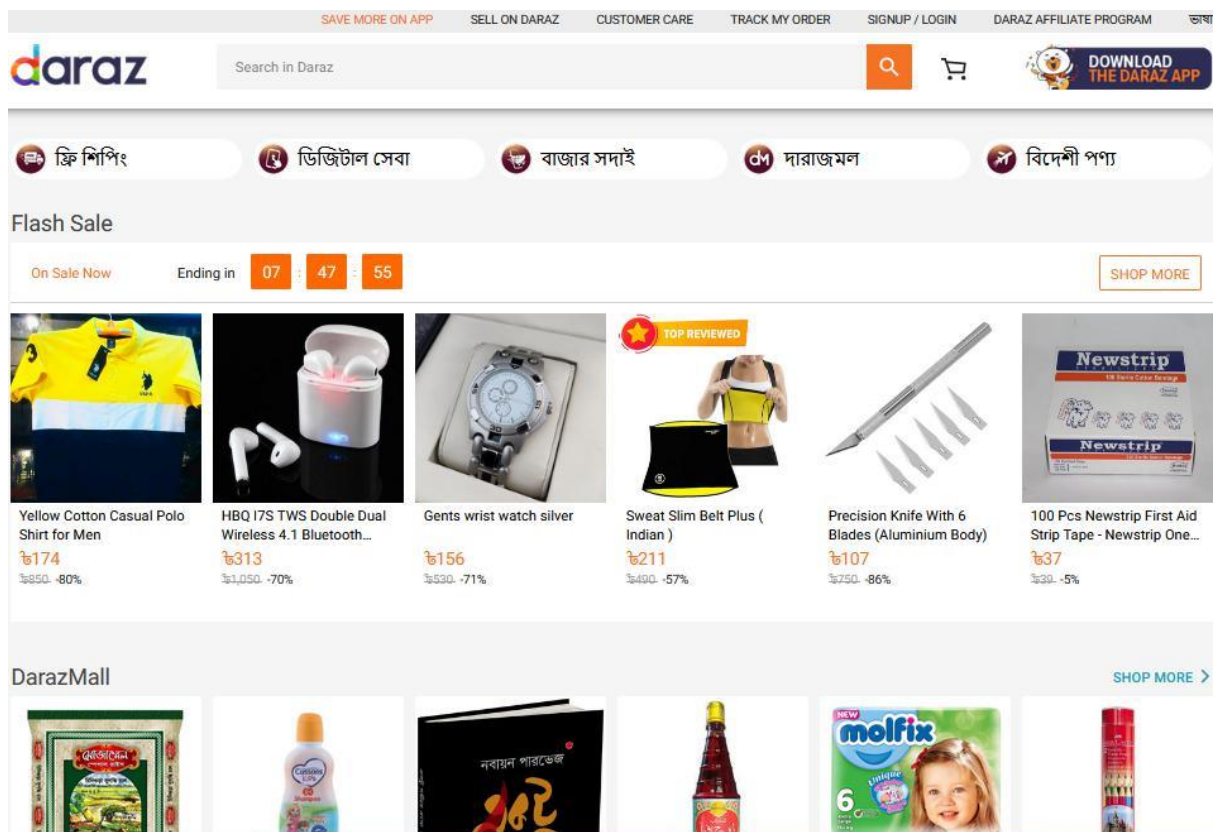


Figure 2.2.4: daraz

Above both applications are not a Perfect Grocery Shop website. There are many kinds of products shops. Actually, it's all in one product selling site so the user will face hassle to find their specific grocery products or different. Our site is a fully grocery website developed by myself with a new user interface design to buy good products. As soon as possible I and my team members are starting selling products using these sites all over the country. Firstly, we sell products by currier but in future, we are expected to expand our sites and grow or sell in our own Parceling system. Another point, all the sites above mentioned they are similarly selling products by order to another retailer or shop by our sites sell our own storehouse products are authentic. Another product are not authentic from selling the house but our product will be authentic.

2.3 Comparative Analysis

Maintaining web business activity online has become very popular. There are many buyers and sellers that provide this kind of service. But not all apps are suitable for everyone.

These apps contain features but have many flaws. Some have very complex UI that is harder for many people to use.

In our application, we tried to make our app as user-friendly as possible without any complaints from customers.

2.4 Scope of Problem

Selling Product verification and authentication system until found customer hand. Our hotline is always open to ordering products delivered fewer times. One of the big problems is online fraud. Sometimes we see that someone orders a product but time over with acceptance in this matter needs to advance payment on delivery.

2.4.1 Hacking

Hacking is another big problem. Since our project is an online base, software hacking can be used to hack a user's personal information. This can damage the privacy of both. In this case we have to be careful.

2.5 Challenges

Developing any project comes with many challenges. Similarly, we faced a lot of challenges while developing the application. There were some complex tasks in the applications where we had to integrate both features in the same place. The challenges we faced are given below:

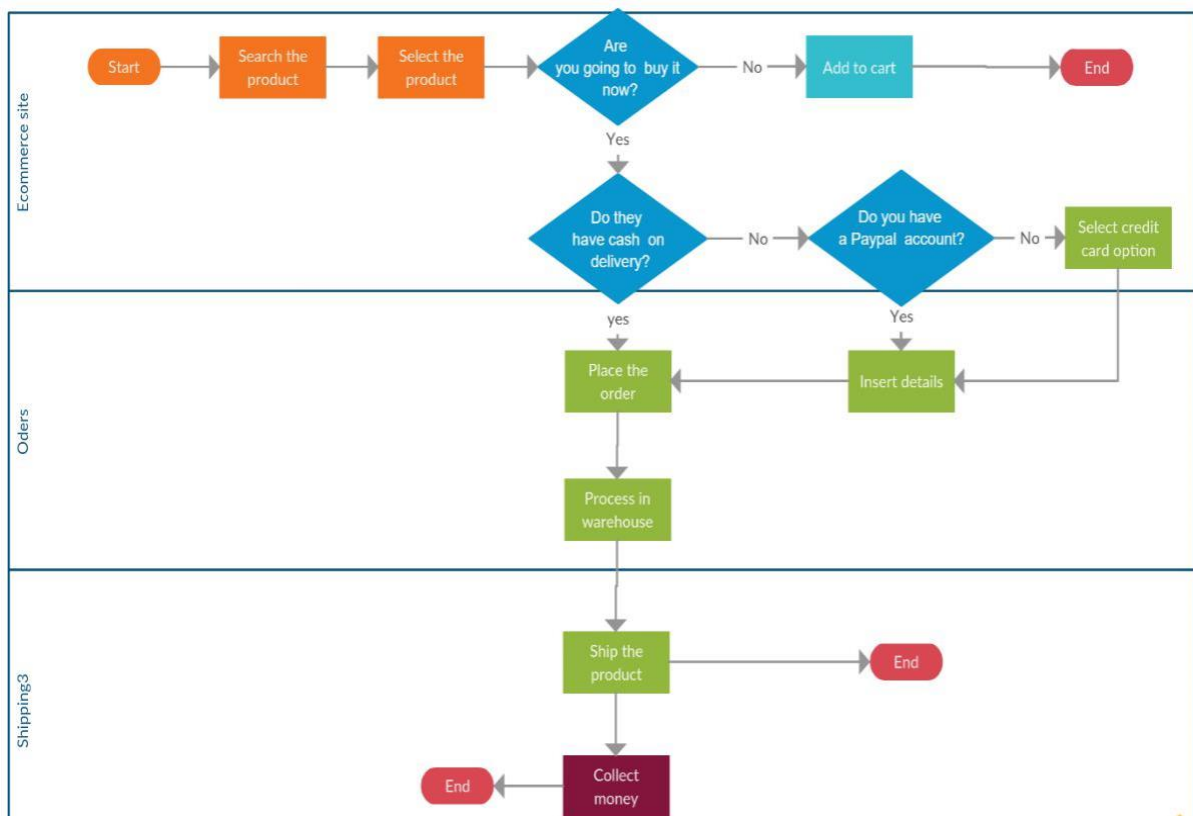
- Making a user-friendly UI.
- Individual profile for each user.
- Given Real-time shopping experience.
- 24 hours open hotline number and manage customers.
- Avoid Fraud User registration and place order
- Avoid Money Hacker and Data Hacker

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

In this part, we will represent all of our actions by this method. It is the logical image of our project. Here, we design the workflow of a policy given all features to make the project easier and reasonable.



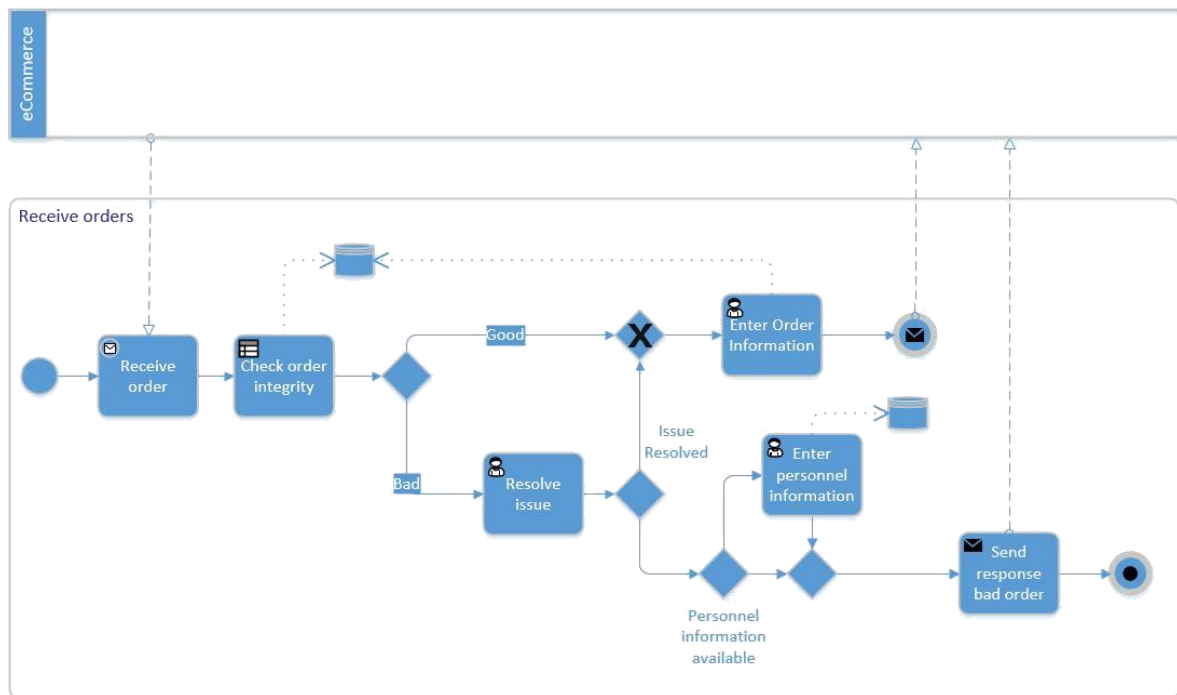


Figure 3.1.1: Business Process Modeling

3.2 Requirement Collection and Analysis

3.2.1 User of Application

All users will be able to see the home page, about page, top products, all product page, product details page, contact page of our application. When a user goes to cart, payments, place an order, user's profile to see the details, then the user has to see it through registration.

3.2.1.1 Products

All the products are served only by our storehouse and our verified Marketers. We ensure that all the products are viewed on the Quoin shopping website for customer satisfaction. We have different categories of products.

3.2.1.2 User

Users can buy products using the registration login process and they can message admin for any query hotline available 24 hours. Users can order any kind of products that are visible on the website. Also, users can store products in cart for future shopping like and dislike products.

3.2.3 Administrator

Admin will handle the whole program. Admin can place any order by product id. Admin can check stock check payment option check shipments. Admin has to login to the website and only then will the admin get access to the Dashboard. When a user will register the admin will know by checking the dashboard. Admin will have the authority to delete/update products on this website. Admin will get messages from users if any query.

3.2.2 Entity Relationship Diagram

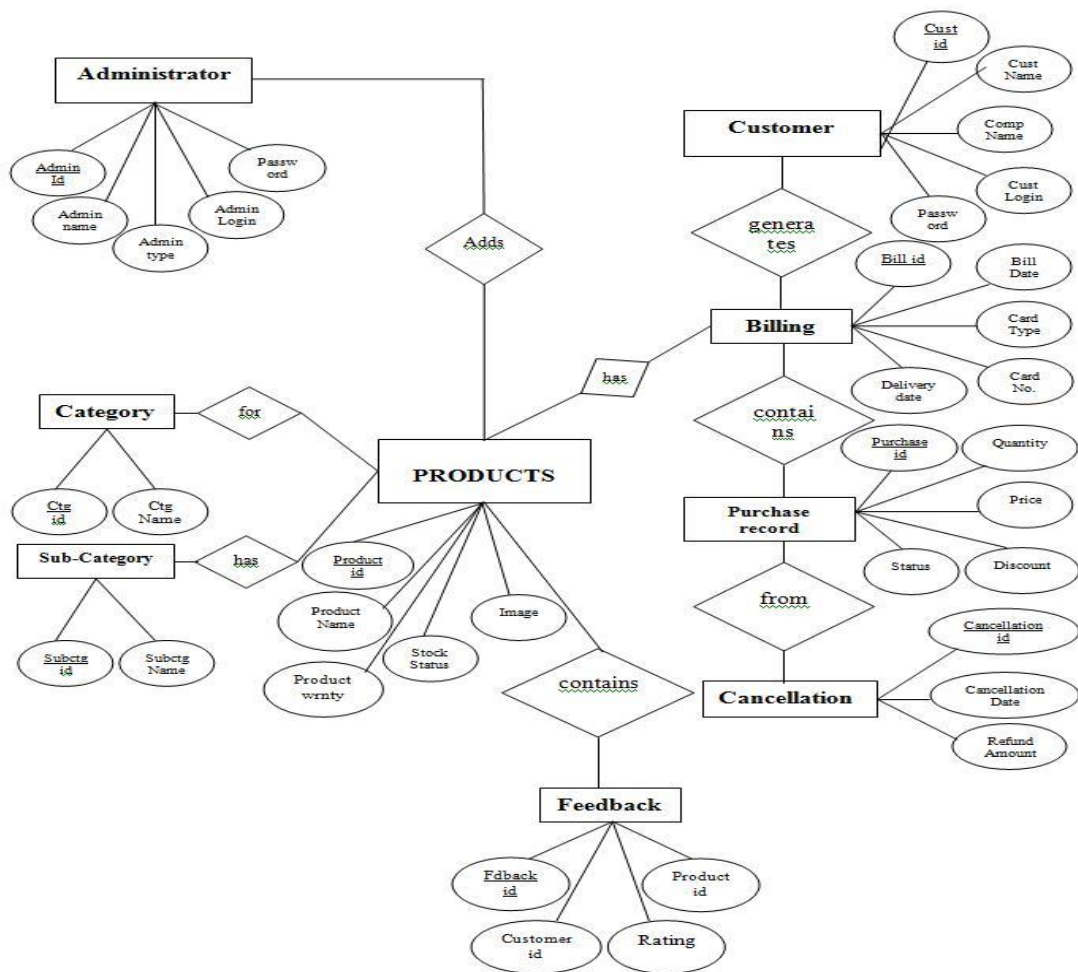
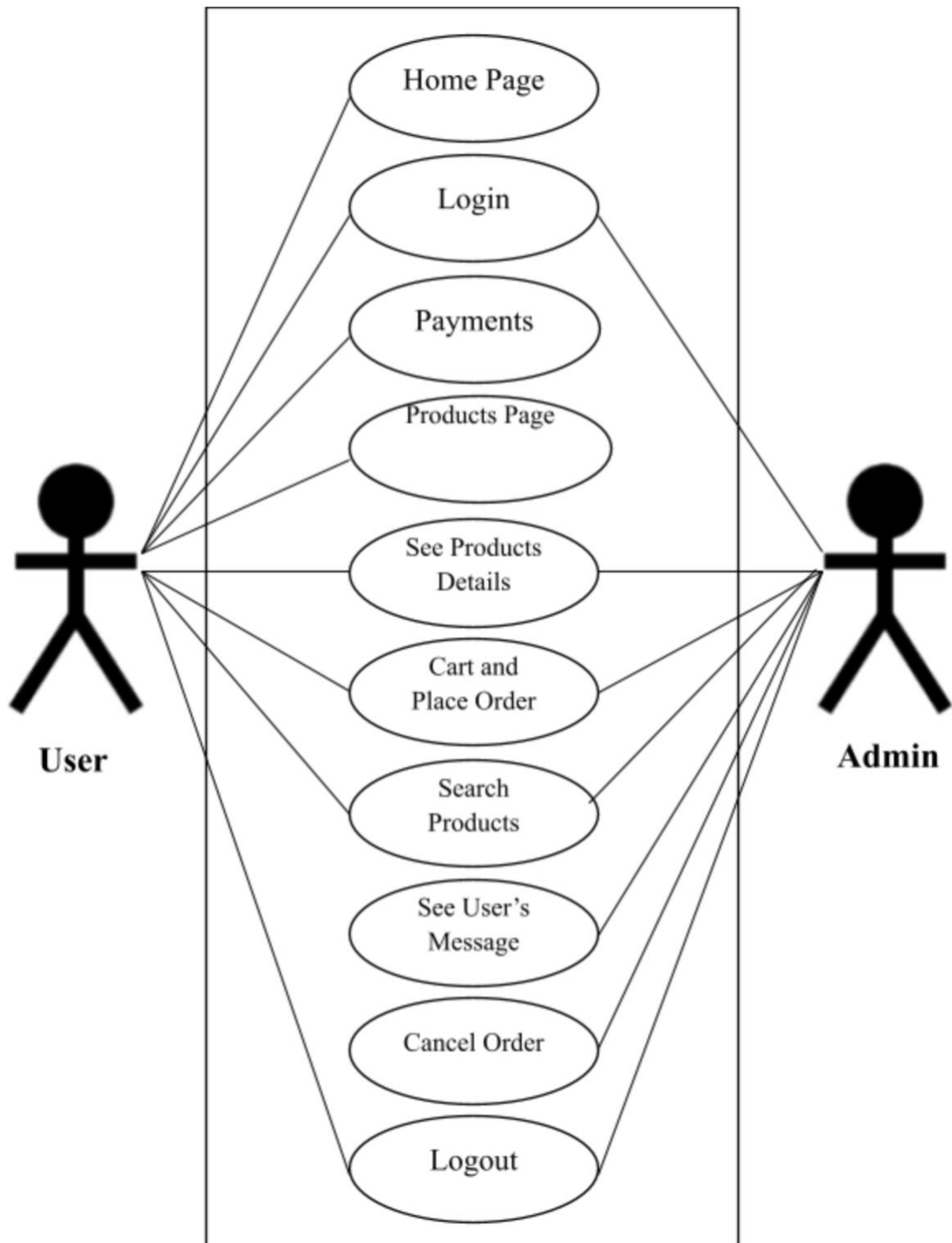


Figure 3.2.2.1: ER Diagram

3.3 Use-case Diagram and Description

Before creating a project, it's required to generate a use-case diagram. In the use case, we represent the functionality of our project. We likewise presented the project's operation, user, and website.



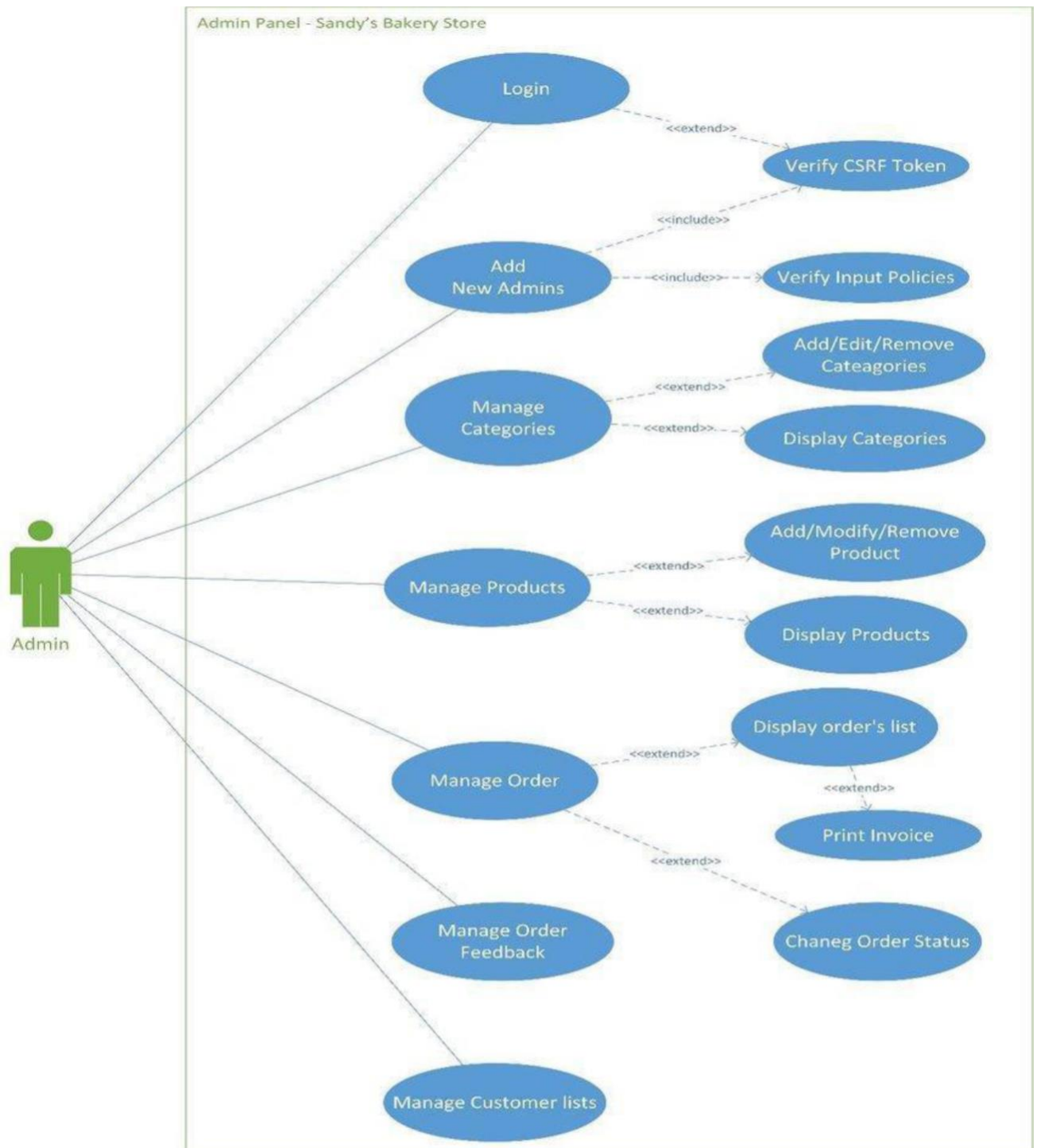


Figure 3.3.1: Use Case Diagram

3.4 Flow Chart

This flowchart assists us to build a detailed diagram of the user, system and website.

3.4.1 User Flow Chart

Here, we will discuss user functionality. To view details and to buy, a user must fulfill the registration process.

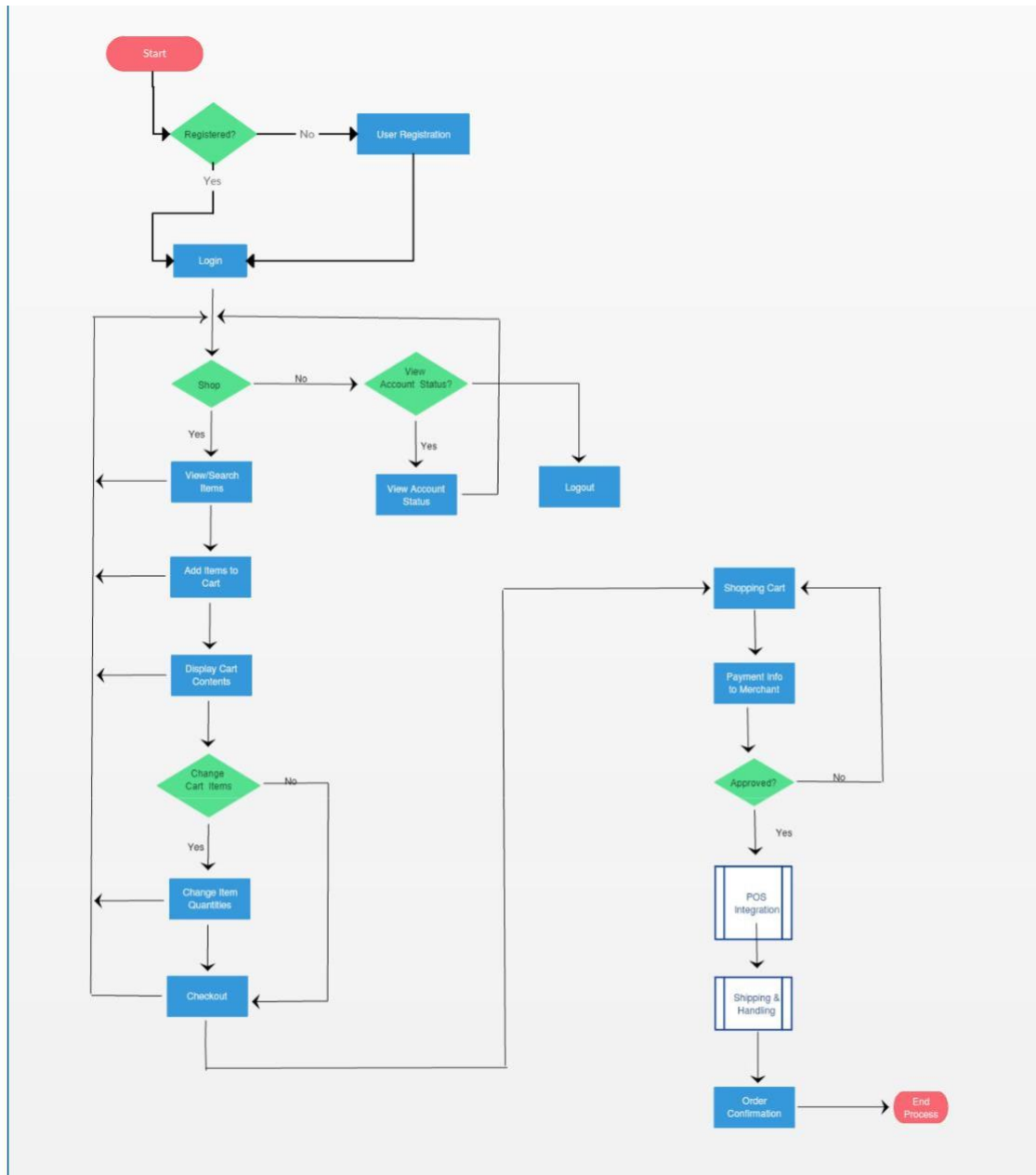


Figure 3.4.1: User Flowchart

3.4.2 Admin FlowChart

In this flowchart, we present admin functionality. An admin can monitor all activities in the dashboard and exchange them after logging in.

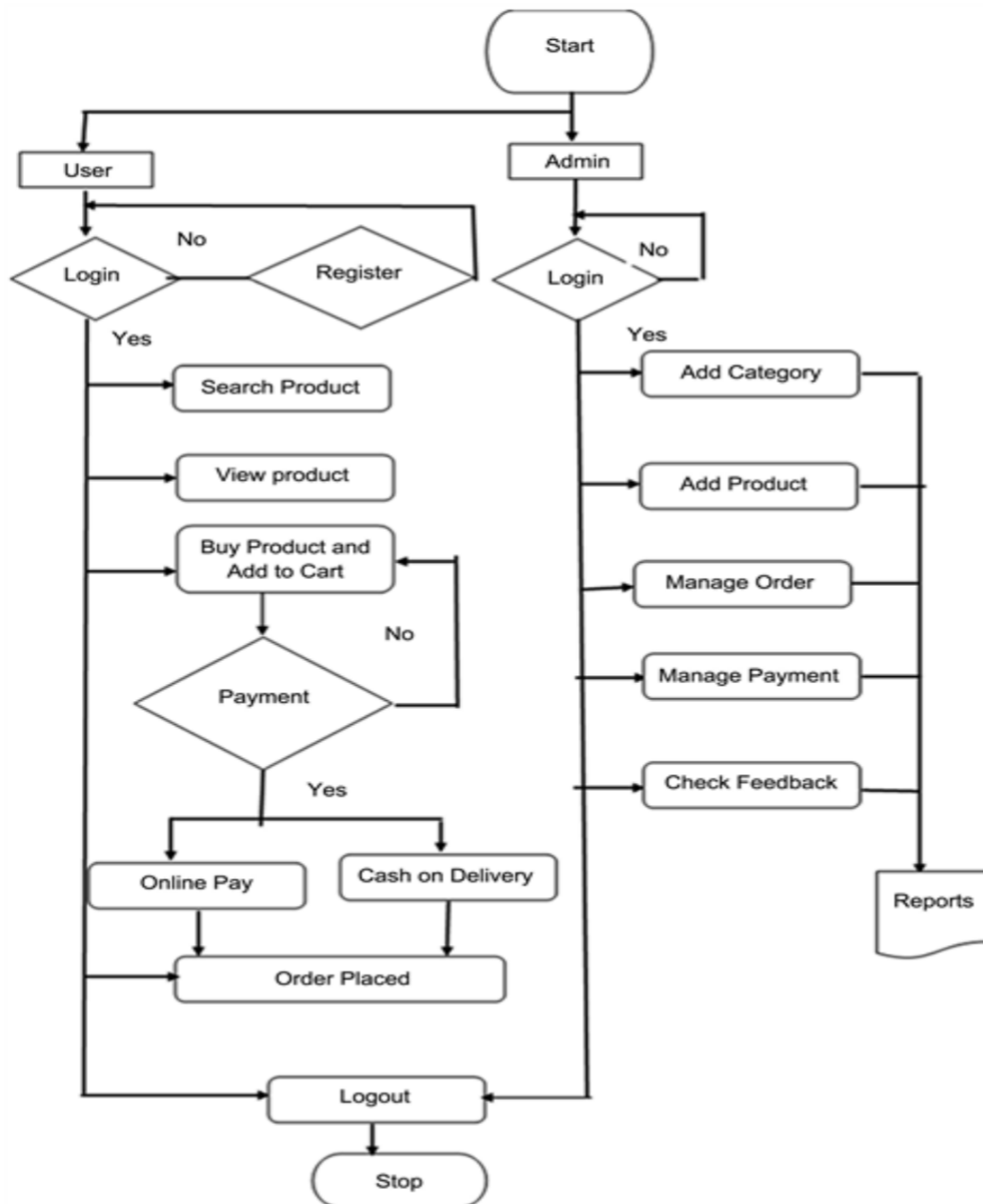


Figure 3.4.2: Admin Flowchart

3.5 Design Requirement

We created many models for our project. Such as BPM, ERD, USE CASE, FLOW CHART, etc. All these models are arranged according to our recreation.

Also mentioned the type of requirement we need for our design is given below:

- This module helps admin to register users. Admin is able to maintain all the information of users and Products.
- Admin can delete the details of the products and it also deletes these details in the database.
- Admin can search the products details of the user.
- Admin can add new products. These products can be seen to all users and admin.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Design Specification

A good user-friendly purpose represents the image and method of a project. A design consists of all features, relevant parts, security of what is required. Here, the front-end and back-end formats of our web app will be presented.

4.2 User Satisfaction

A user can hit our site and view all the products & pictures.

- Users can view the detailed features of products after login.
- After login, the user can see the cart, view details, and payment procedures.
- And can communicate with product sellers.
- Allow users to create their accounts with relative information.

4.3 Front-end Design of Project

The front-end is a user interface, also known as client-side development. It is the display part of the website. Our front-end development is done with **hypertext markup language (HTML)**, **Cascading Style Sheets (CSS)**, **JQuery**, and **JavaScript**. By this process, the user can see data and interact with this. The website is user-friendly and simple so all the users can use and understand it without any issue. We mostly used Html, CSS, JQuery, and JavaScript language for design purposes. Sublime and visual studio code git bash, xampp Text is made easy for our project of the website to run.

4.4 Back-end Design of Project

Back-end design is the mechanism behind the project. All logical experiments of a project happen in the back-end. PHP and the LARAVEL application are used for the backend. All operations that take place behind the scenes of the application are handled by the back-end. Database, protection, validity, and backup are just a few of the things we must prioritize in

the backend. The back-end portion of our application is built using PHP, the LARAVEL system, and the PHPMYADMIN Service.

4.5 Implementation of Requirement

Several types of functions, tools, and equipment are used to implement this project. They all together helped us develop our project successfully. In this part, we will display all components and functions.

- PHP and LARAVEL Framework is used to create the back-end.
- PHPMYADMIN Service is used for a real-time database.
- We use PHP and Laravel for Login Registration required field validation.
- Invalid/Null input will show a box of error messages.
- We use Laravel Framework to Add Products.
- We use Laravel View Products, Cart, Order products
- Use font-awesome for icon design.
- JavaScript Alert Messaging Service from Javascript
- hypertext markup language and Cascading Style Sheets Design

4.6 Project Interaction

To know user experience we give our project to some of our friends to test. They put their input and get their output. This is a great project looked at by them. Everyone is very glad about our project output. It is a very good-looking project and easy to use. In the field of design, it looks smart and very attractive. We do a good-looking color which attracts people and stays fresh. It is also neat and clean and well organized.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

All the data of our project have been stored in the phpMyAdmin database. Everything there is neatly arranged.

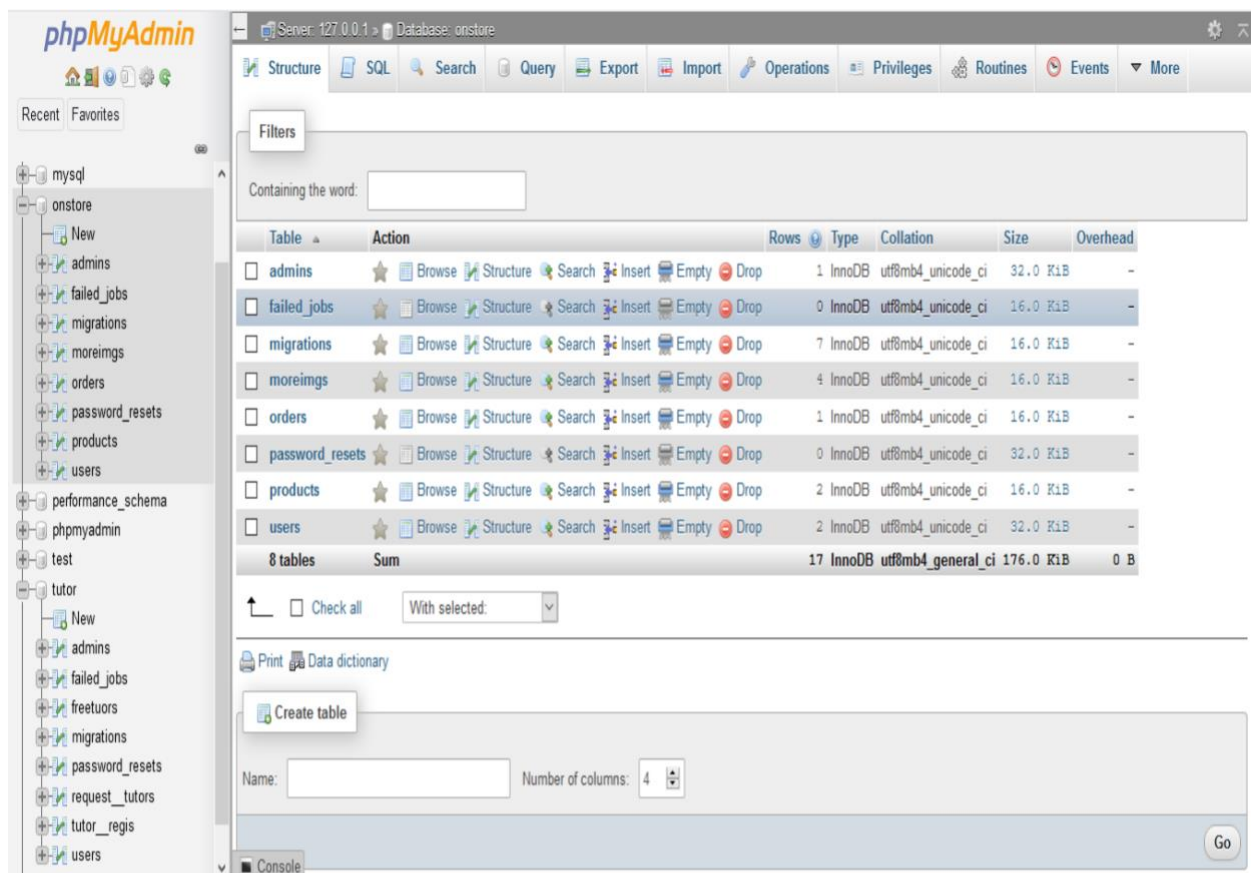


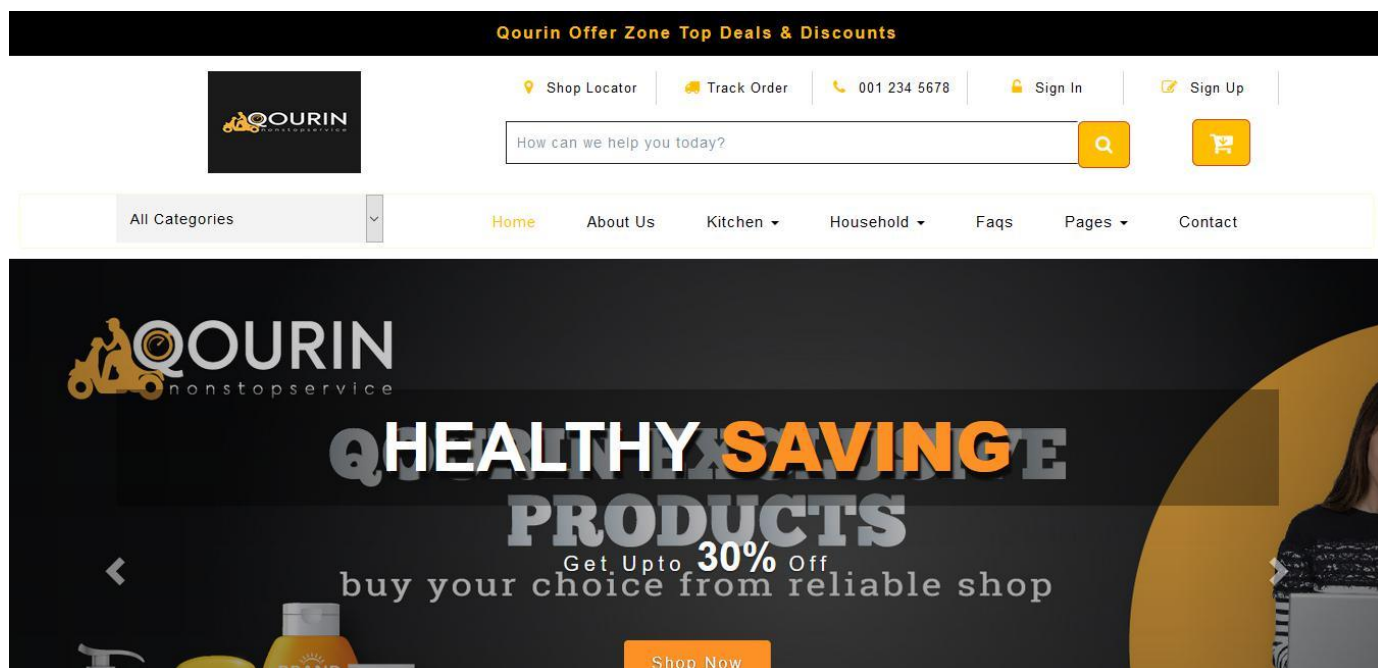
Figure 5.1.1: Database

5.2 Implementation of Front-end Design

Our implemented front-end design is given below:

Home: We design our home page simply there need not sign in or sign up but to go to the internal part of our project here has some options which are shown by nav-bar click. Those options are:

- Home
- About us
- All Products
- Products Details
- Search
- Contact us
- Signup/Sign in
- Cart
- Payments
- Send Email



"Qourin Home Delivery" Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.


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- Dishwashers
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Payment Method











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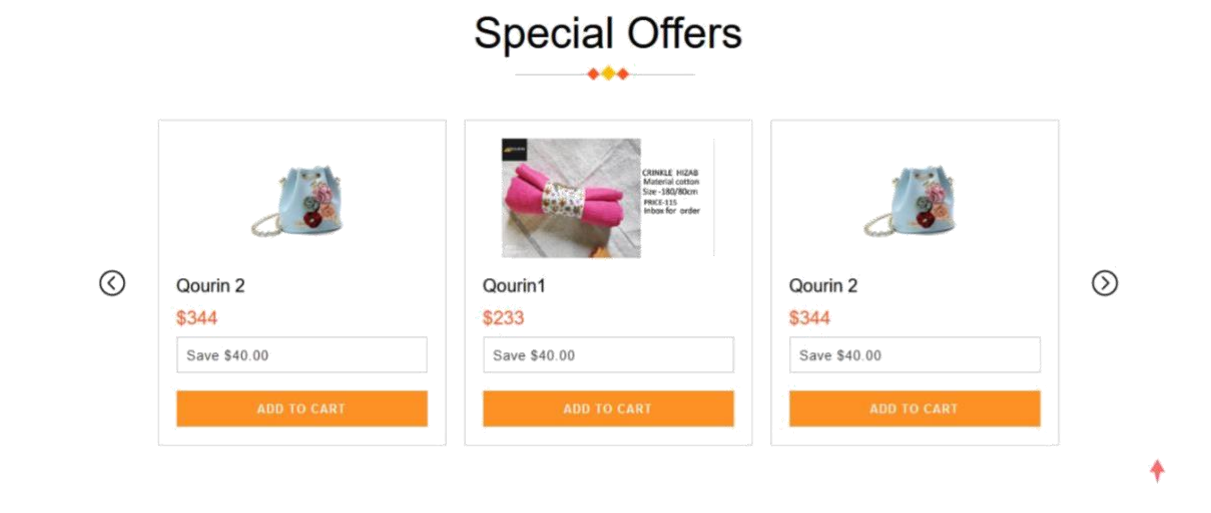


Figure 5.2.1: Home Page

Sign-up: Users can easily Sign up by clicking one. For the customer time saving we create name email and password for registration so that they can avoid hassle:

Figure 5.2.2: Signup Or Registration

Sign-in: By Submitting the User Register Email and Password They easily log in to the sites and also recover their password through the forgot password button.

01914782366
01679784216

Buy Now

USER | LOGIN

Login

E-Mail Address

Password

☐ Remember Me

Login **Forgot Your Password?**

Get your delivered from local stores

Free Delivery on your first order!

Figure 5.2.3: Signin or Login

Cart/Checkout Page:

Checkout

Your shopping cart contains: 1 Products

ID	Product Code	Product	Quantity	Product Name	Price	Subtotal	Remove
3	565		1	Qourin 2	344	344	Remove

Payment

Name:ekhan

Email:ek@gmail.com

Checkout

Buy More

Total: \$344

Add a new Details

Figure 5.2.4: Cart

Email send the Admin Or any Query:

A User can Easily send an Email Through Admin for asking any query.

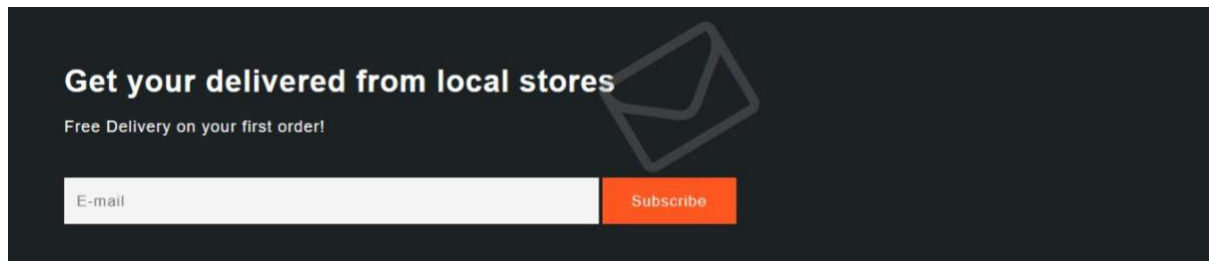


Figure 5.2.5: Send Query

Search: In this section users can Search for Any Products by submitting product name, quantity, brand, price, etc.

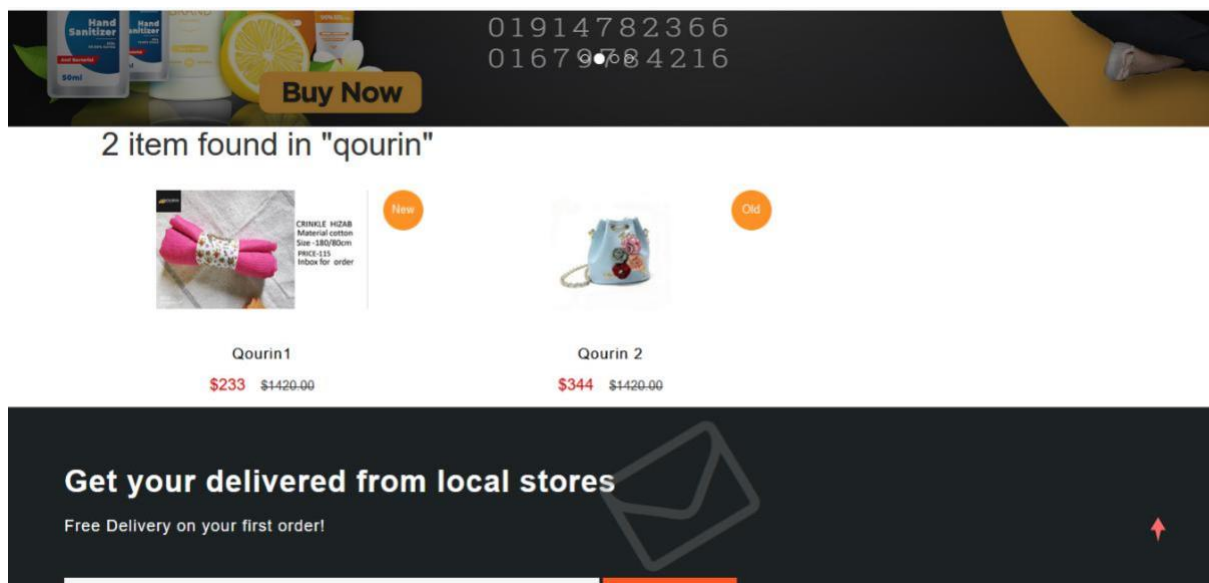
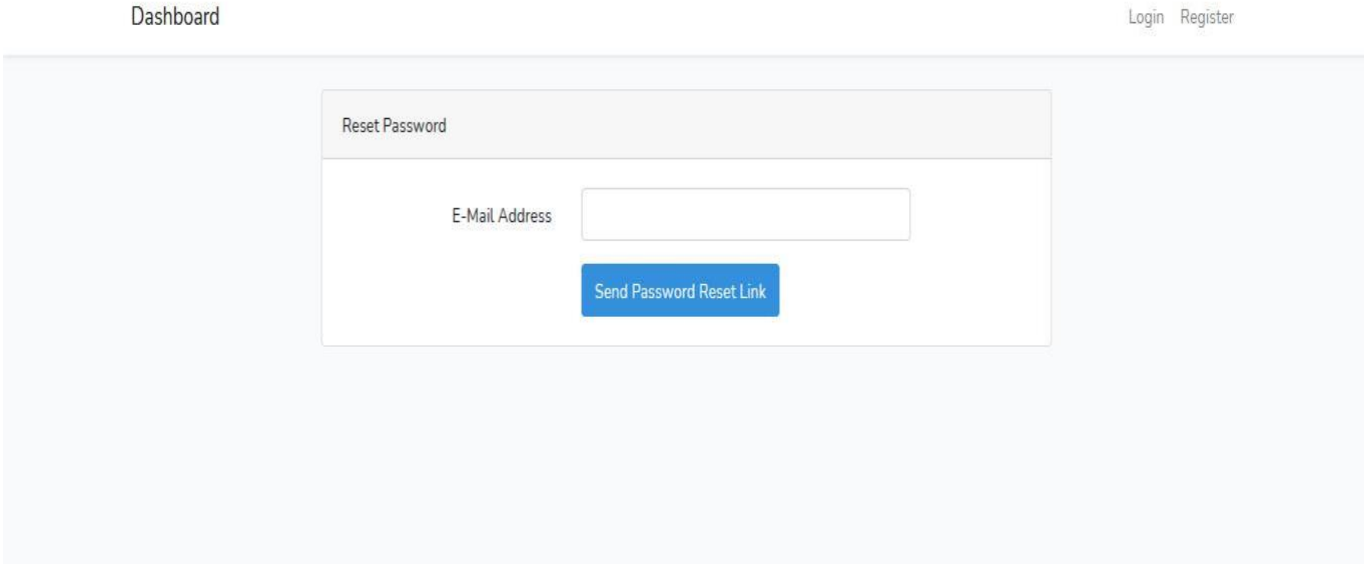


Figure 5.2.6: Update Profile

Change Password: This section user can change his/her Password through Their Email. We keep an option to change passwords for all types of users. By this section, all users can change their password easily. Passwords are a highly confidential personal issue. So, it is our duty to keep safe and secure user passwords and other information.



The screenshot shows a web dashboard with a light blue header. On the left, the word 'Dashboard' is visible. On the right, there are links for 'Login' and 'Register'. The main content area is white and contains a 'Reset Password' form. The form has a title bar labeled 'Reset Password'. Below the title bar, there is a label 'E-Mail Address' followed by a text input field. Below the input field is a blue button with the text 'Send Password Reset Link'.

Figure 5.2.7: Update Password

"Qourin Home Delivery" Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo.

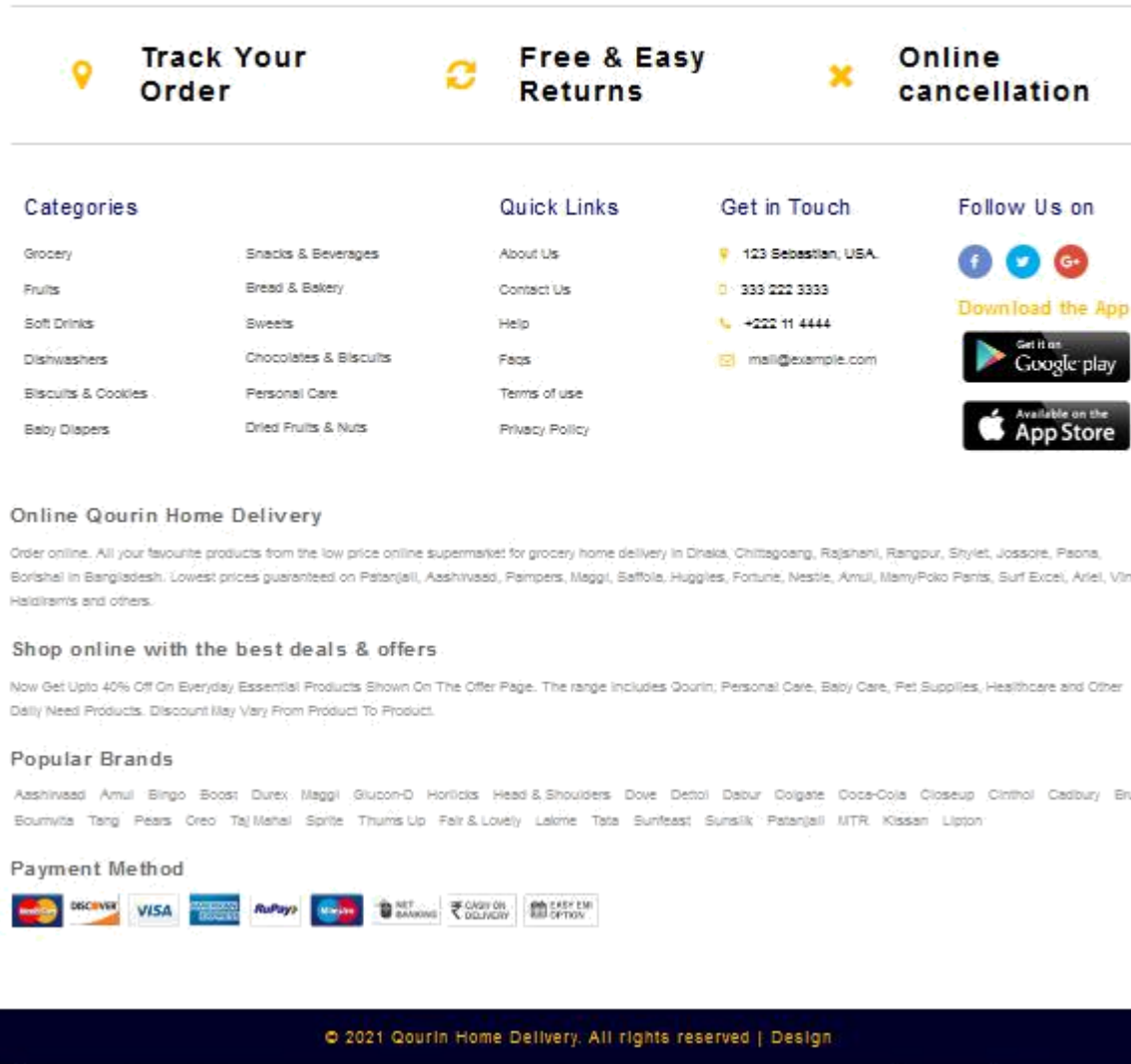
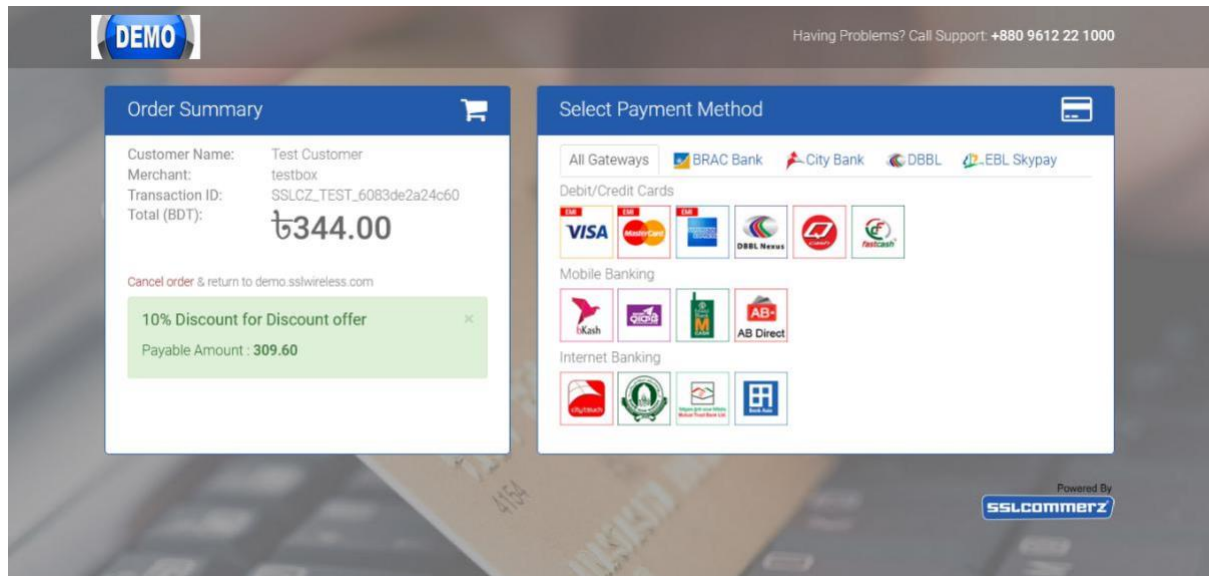


Figure 5.2.8: About us Page

Payments: If customers want payments online they can use our verified SSL COMMERCE payments system for the advanced payments. It's a trusted and secure procedure. They have almost all banking options and card options for payments.



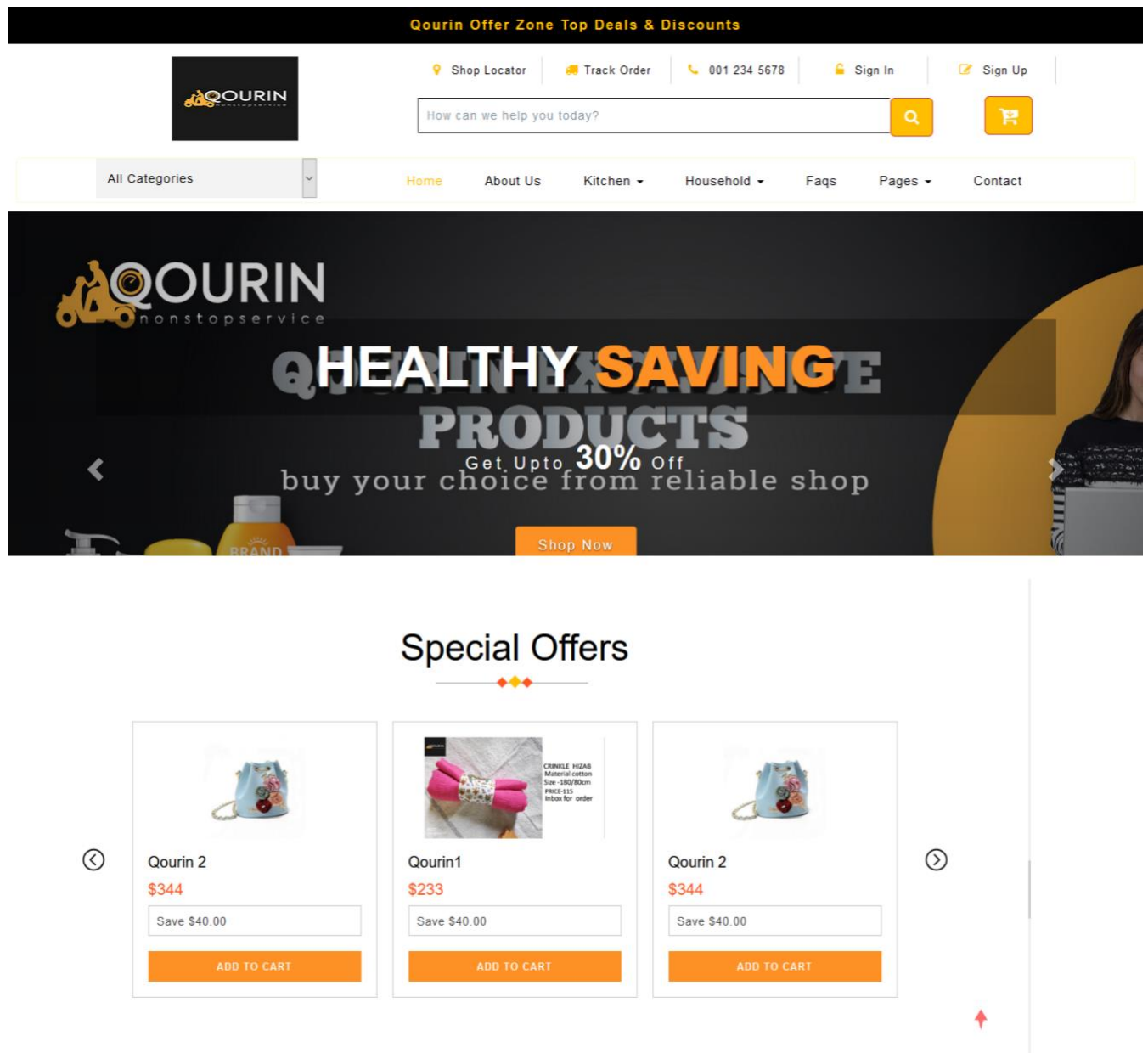
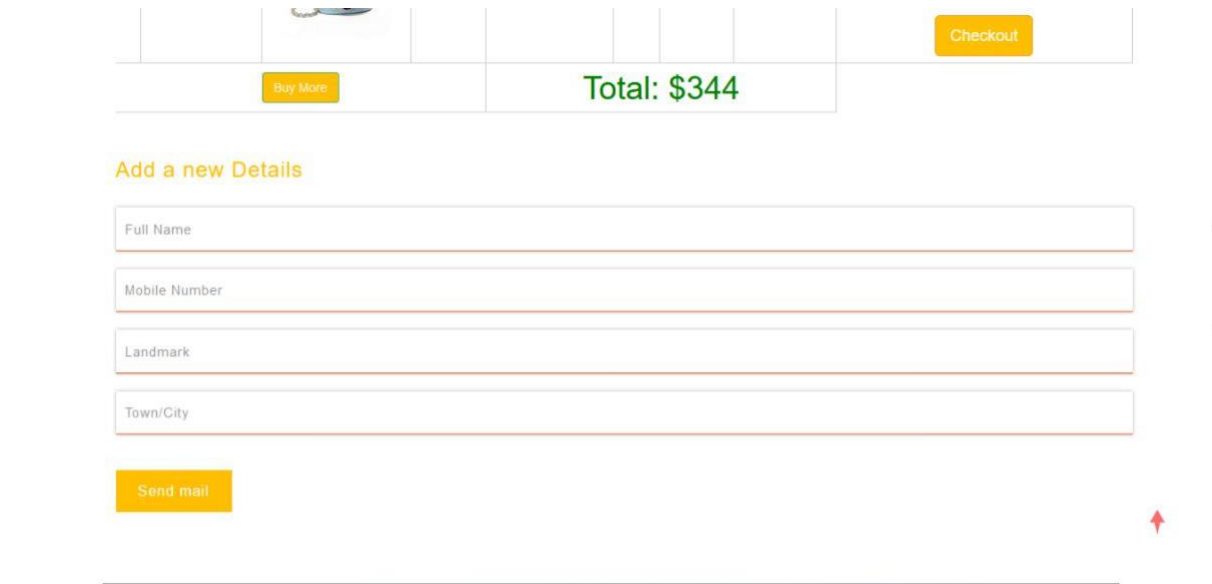


Figure 5.2.9: All Products Page

Check Products Status and Shipments Details: On this page, a customer can send his contact info for checking shipments products.



The screenshot shows a web interface for checking shipment details. At the top, there is a navigation bar with a 'Checkout' button. Below this, a summary row displays a 'Buy More' button, the text 'Total: \$344', and another 'Checkout' button. The main section is titled 'Add a new Details' and contains four input fields: 'Full Name', 'Mobile Number', 'Landmark', and 'Town/City'. A 'Send mail' button is located at the bottom left of this section. A red diamond cursor is visible on the right side of the form.

Figure 5.2.10: Shipments

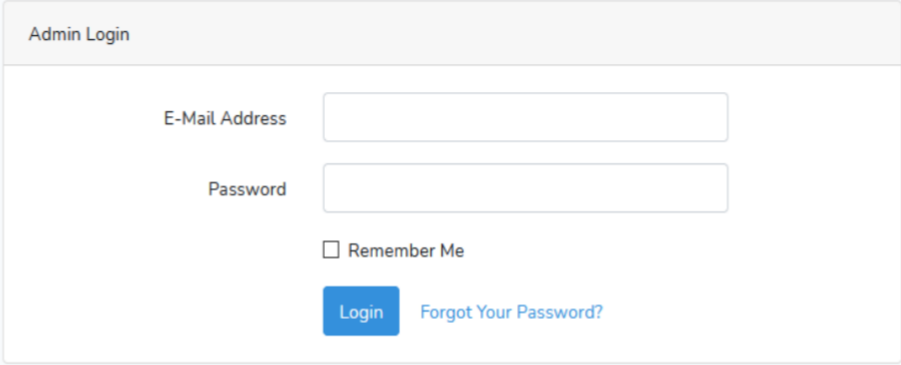
Logout: In the end there is a log-out option for every user in our project. By clicking the logout option any user can be logged out from our system.

Admin Panel

Admin Login:

Dashboard

Login Register



The Admin Login form is a light gray box with a title bar. It contains two input fields for 'E-Mail Address' and 'Password'. Below the password field is a checkbox for 'Remember Me'. At the bottom, there is a blue 'Login' button and a blue link for 'Forgot Your Password?'.

Admin Login	
E-Mail Address	
Password	
☐ Remember Me	
Login	Forgot Your Password?

Figure 5.2.11: Admin Login

Admin Dashboard: In the admin dashboard, Admin can see all the user details, orders, product Details, payments Info and activates. Admin can see the user's message. Admin can delete a user or Products Delete Check Stock Pending Request, Shipments, etc. If he wants.

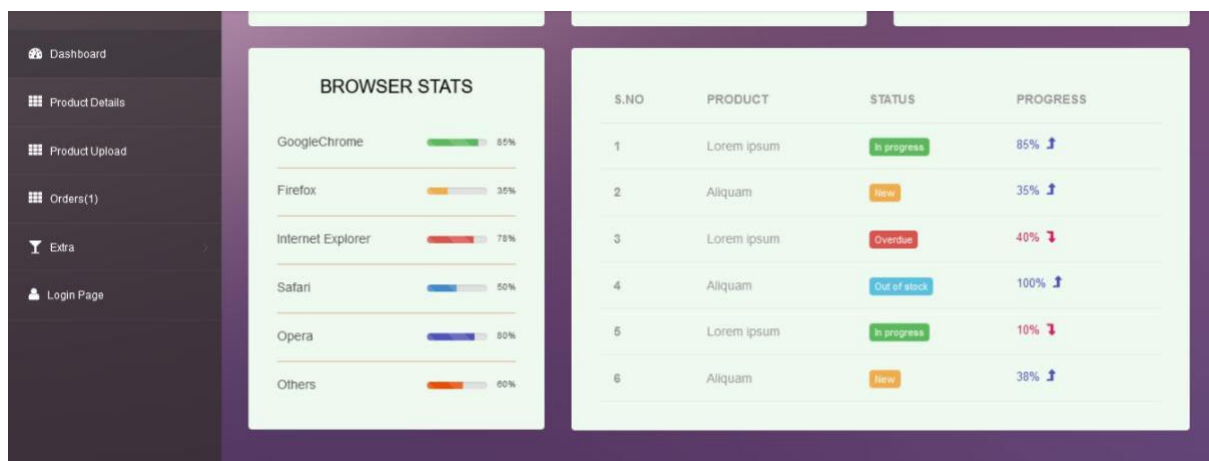
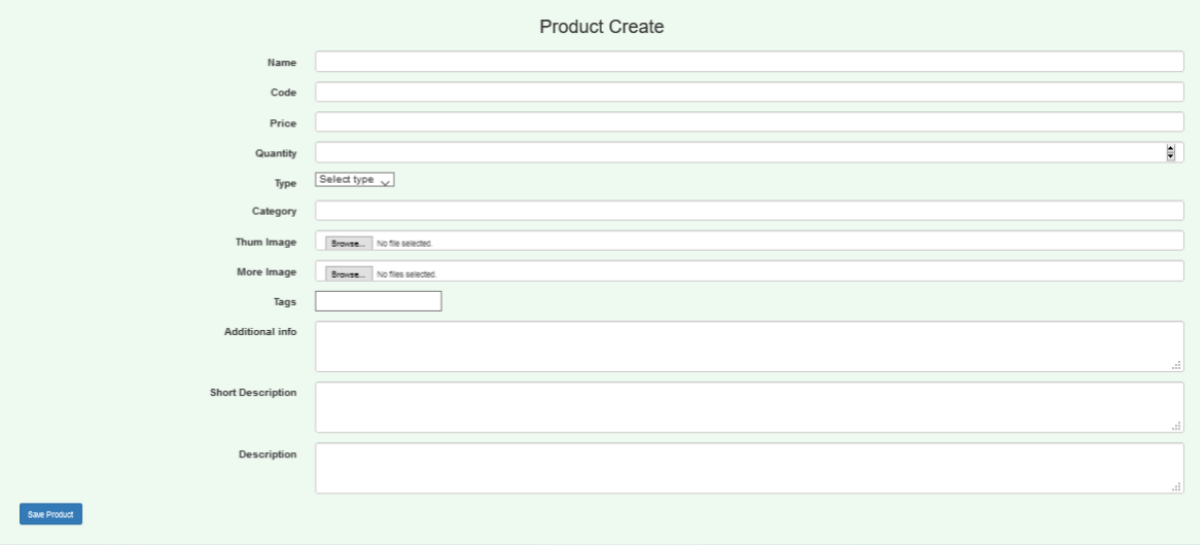


Figure 5.2.12: Admin Dashboard

ADD NEW PRODUCTS: In this section, admin can add new products.



The 'Product Create' form includes the following fields:

- Name: Text input
- Code: Text input
- Price: Text input
- Quantity: Text input with a numeric spinner
- Type: Dropdown menu (Select type)
- Category: Text input
- Thum Image: File upload button (Browse) with 'No file selected' text
- More Image: File upload button (Browse) with 'No file selected' text
- Tags: Text input
- Additional info: Text area
- Short Description: Text area
- Description: Text area

A 'Save Product' button is located at the bottom left of the form.

Figure 5.2.13: Admin Profile Update

Order Details: This Section Admin can View Ordered Products, Check Stock if Available, Status, payments, Take an Action if Need.

ORDER DETAILS							
Image	Name	Quantity	Sub Total	Customer	Date	Status	Action
	Qourin1	1	233	ekhan	24-04-2021	Pending	 

Figure 5.2.14: Admin Oder Products Managements

5.3 Testing Implementation

We tested the application based on the user's perspectives. We tested many cases and checked for possible errors in our application.

Table 5.3.1: Test-Case Table for user

Test Case	Test Input	Expected Output	Actual Output	Result	Tested On
Checking Database Connection	Connection Test	Successfully connected	Connection Successful	Passed	24-04-2021
Signup/Create Account	Test in edit text-filled	Successfully Created	Created Successful	Passed	24-04-2021
Login	Test in edit text-filled	Successfully Login	Login Successful	Passed	24-04-2021
Product Create	Empty Fields	Show Error Message	Error Message Showed	Passed	24-04-2021
Product Create	Test in edit text-filled	Successfully Created	Created Successful	Passed	24-04-2021
Send Message to Admin	Pressed send button without writing anything	No message sent	No message sent	Passed	24-04-2021
Password	Input unmatched Password	Show Error	Error Showed	Passed	24-04-2021
View Product Details	Pressed send button without writing anything	Successfully View	View Successful	Passed	24-04-2021

Checkout	Empty Fields	Show Error Message	Error Message Showed	Passed	24-04-2021
Profile	Test in edit text-filled	Successfully Created	Created Successful	Passed	24-04-2021
Checkout	Pressed send button without writing anything	No Products Add	No Products View	Passed	24-04-2021
Add To Cart	Pressed send button without writing anything	Show Successfully	Successfully Showed	Passed	24-04-2021

5.4 Test Results and Report

Test reports show how well our application performs during implementing different test cases. By analyzing the test implementation we can see that our application performed quite well with very few errors.

Test Case 5.4.1:

Assumption: At first the user comes to the home page.

Input: The user gives all information and clicks on the “Sign Up” button.

Result: Signing up.

Test Case 5.4.2:

Assumption: The user wants to log in.

Input: Give the email and password then click on the sign-in button.

Result: It will be signed-in in the system successfully and users can see their dashboard.

Test Case 5.4.3:

Assumption: Admin wants to create a product.

Input: Give the post details then click on the 'add' button.

Result: It was created successfully.

Test Case 5.4.4:

Assumption: User wants to send a message to the admin.

Input: Give the message details then click on the 'send a message' button.

Result: It was sent successfully.

CHAPTER 6

IMPACT ON SOCIETY, ENVIRONMENT, AND SUSTAINABILITY

6.1 Impacts on Society

Our project is a blessing for today's society. With the help of this project, the customer is able to provide services quickly and the seller/owner is able to receive services very easily.

6.2 Impact on Environment

As the project is online-based, a user does not have to look for shopping on the streets and customers do not have to look for Bazar. It will make the e-commerce environment wider. It will make learning easier among users and customers.

6.3 Ethical Aspects

Since our project has been done for the benefit of the user /customer, this project has a positive ethical effect on society. On the other perspective, we can say our project is online-based. Internet connection has not reached all parts of our country properly. If we can increase the internet connection our project will be able to provide services to everyone in a very effective way.

6.4 Sustainability Plan

Our application is very much sustainable and can contribute to the field of online shopping. It can be a very useful tool for both users and sellers. The app provides features that can increase commitment to online shopping. The app can be very suitable for all users.

CHAPTER 7

CONCLUSION AND SCOPE OF FUTURE WORK

7.1 Conclusion

Many unemployed people need a job to earn money. Our service also looks out for them.

If they are eligible, they can easily get a job from us despite having no experience.

We keep customer authentication and product payments info secured. We believe our web application “Qourin” can be helpful for both customer users and sellers. This application can contribute to the field of online shopping. We plan to publish it to Google so that everyone can visit and get the benefits of this application. We have plans to develop more in the future with new features and services in our application.

7.2 Scope for Future Development

Every website has issues and it depends on various elements. This project is made by hypertext markup language, Cascading Style Sheets, JavaScript, JQuery, PHP, and Laravel framework. This is now a web-based application. In the future, there will be an ios and android app version. We have plans to develop more in the future with new features and services in our application. In every improvement, better Security and convenience will always be one of our primary factors.

7.3 Limitation of Project

- Browsing, for now, the only way to see our application.
- Authentication has some deficiencies.
- We can't validate the veracity of the data provided at the time of registration.
- Product Stock.

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APPENDICES

The pipeline of Our Project

Our journey started in September 2019. Our website will help both customers and sellers. Our goal is to create a project that is easy to use. We gave it our all to complete this project. We are optimistic that it will be a beneficial project for us and that it will be well received. And lastly, as per my Plan, I Expends My Own Business Using This Site in the Future.

Oui

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