

E-Commerce BestDeal

BY

Sabbir Al Mamun

ID: 182-15-11717

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

Supervised By

Ms. Lamia Rukhsara

Lecture (Senior Scale)

Department of CSE

Daffodil International University

Co-supervised By

Shah Md. Tanvir Siddiquee

Assistant Professor

Department of CSE

Daffodil International University



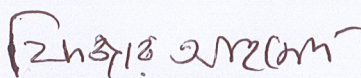
**DAFFODIL INTERNATIONAL UNIVERSITY
Dhaka, Bangladesh**

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APPROVAL

Sabbir Al Mamun presented a project called "E-Commerce BestDeal" to the Department of Computer Science and Engineering at Daffodil International University. This project was recognized as meeting the criteria for the BSc degree in Computer Science and Engineering. The project was officially presented on January 12, 2025.

BOARD OF EXAMINERS



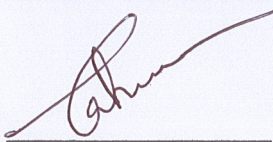
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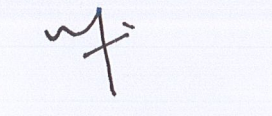
Internal Examiner

Mr. Abdus Sattar (AS)
Assistant Professor
Department of CSE
Faculty Of Science & Information Technology
Daffodil International University



Internal Examiner

Ms. Zahura Zaman (ZZ)
Lecturer
Department of CSE
Faculty Of Science & Information Technology
Daffodil International University



External Examiner

Dr. Ahmed Wasif Reza (DWR)
Professor
Department of CSE
Faculty Of Science & Information Technology
East West University

DECLARATION

I confirm that I have completed this project with the supervision of **Ms. Lamia Rukhsara, Senior Scale Lecturer in the Department of Computer Science and Engineering** at Daffodil International University. Additionally, I assure you that this project has not been presented for the award of any degree or diploma.

Supervised By:

Lamia Rukhsara 14.01.23

Ms. Lamia Rukhsara

Lecture (Senior Scale)

Department of CSE

Daffodil International University

Co-supervised By

Shah Md. Tanvir Siddiquee

Assistant Professor

Department of CSE

Daffodil International University

Submitted By:

Sabbir AL Mamun 12.01.25

Sabbir AL Mamun

ID: 182-15-11717

Department of CSE

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In the end, I thank my parents, who encouraged me throughout this journey.

ABSTRACT

In today's world, many products can be bought and sold online. However, entrepreneurs often encounter challenges when trying to sell their products through their own websites. Launching a website can be quite expensive and daunting for new business owners. My website addresses this issue by providing a platform where entrepreneurs can post their product offers and sell directly to customers without the need to create their own costly websites. This makes it easier and more affordable for them to reach their target audience and grow their businesses.

When customers shop online, they often look for the best deals. However, this can be time-consuming as they visit multiple websites to find the best discounts. My website simplifies this process by providing a platform where customers can find all the discounts in one place. They can easily search for the best prices and make purchases through online payment, making their shopping experience quicker and more convenient.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

We live in a time when technology is deeply embedded in our daily lives, and its progress is ongoing. As individuals, we continue to adjust to these technological advances, which have a positive impact on both our nation and society. The E-commerce industry is one of the fastest-growing sectors nowadays. A recent report shows that about 80.69% of the global population uses this.

In Bangladesh, by 2020, 53.3 million people were smartphone users out of a population of 164.69 million. Statistics also show that Android holds a dominant 75% share of the global market, with more than 2.8 billion active users. Additionally, in 2020, the Google Play Store featured 2.95 million apps, with projections suggesting that this number would rise to 3.48 million in 2021.[2]

These figures highlight the rapid growth of online platforms and applications. In Asia, there are approximately 6.7 million web developers, with an expected annual growth rate of 6-8%.[3]

E-commerce continues to be a dynamic and competitive field, with numerous companies striving for leadership. For businesses to thrive in this space, innovation, marketing, and strong development strategies are crucial. Today, the e-commerce sector stands out as one of the most promising for business expansion, underscored by its significant growth.

1.2 Motivation

If you're searching for the best offers around you, you might find yourself looking individually at brands like Bata, Apex, Raymond, and Easy. However, there isn't a single website where you can search for all available discount offers and purchase items in one place. Entrepreneurs also face challenges when trying to sell their products through their own websites. Launching a website can be expensive and overwhelming for new business owners. My website addresses these issues by providing a platform where entrepreneurs can showcase their product offers and sell directly to customers without the need to create their own costly websites. This approach makes it easier and more affordable for them to reach their target audience and grow their businesses. I am motivated to create a website where users can find all the best discount offers, and where companies and entrepreneurs can display their advertisements.

1.3 Objective

Without a clear objective, we cannot achieve proper results. Therefore, before implementation, we must establish the purpose of this website. The purpose of this website is...

For Entrepreneurs (Shop Owners):

- Provide a cost-effective platform to post and sell products without building a personal website.
- Easily post product listings and manage them through the website.
- View product details of all their posted items.
- Track the number of products posted, units sold, and total revenue generated.

For Customers (Users):

- Browse a wide variety of products with the option to filter by categories, prices, and other preferences.
- View and compare the best offers and discounts available.
- Purchase products through a secure online payment gateway.
- Share product reviews and feedback after making a purchase.

Overall Features:

- Simplify the e-commerce experience for both business owners and customers.
- Enhance accessibility, affordability, and convenience for all users.

1.4 Expected Outcome

- **User/Company Registration & Login:**
 - Users or companies will be required to register and log in to the website to access its features.
 - Once logged in, entrepreneurs or companies can share their advertisements or product offers, following certain terms and conditions, including providing valid shop addresses, specifying the percentage of product sales, and covering the cost of posting each advertisement.
 - View product details and manage them.
 - Track total revenue, units sold, and posted products.
- **Product Offer Visibility & Filtering:**
 - Customers can easily browse and view the best offers available on the platform.
 - A comprehensive filter system will allow users to search for offers based on location, discount percentage (low to high), and product categories (e.g., Men's outfits: Shirts, Pants, Shoes, etc.; Women's outfits: Shoes, Clothes, Cosmetics, etc.; Kids' outfits).
- **Product Purchase & Payment:**
 - Once users select an offer, they can proceed to purchase the product using either a cash-on-delivery system or an online payment gateway like SSL Commerce, ensuring a secure and convenient transaction.
- **Reward System & Discounts:**
 - After completing a purchase, users will earn reward points that can be accumulated and redeemed for coupons.

These coupons can be used to receive additional discounts at select outlets, enhancing the overall shopping experience for customers.

- **Overall Impact:**
 - The website aims to provide a seamless e-commerce experience, benefiting both business owners and customers by offering a centralized platform for product listings, easy navigation, secure transactions, and added rewards, ultimately promoting growth and satisfaction for all users.

1.5 Report Layout

- In Chapter 1, we introduced the concept of "Smart E-commerce Software System." This chapter provided an overview of the topic, including its motivation, objectives, expected outcomes, and an outline of the report's structure.
- Chapter 2, will detail the "Background" Smart E-commerce Software System, outlining the Terminologies, Related work, scope of the problem and Challenges.
- Chapter 3, will detail the "Requirement Specifications" Smart E-commerce Software System, outlining the necessary technical and functional requirements.
- In Chapter 4, we will present the "Design Specifications" for the software, describing the architecture and design elements that support the system's functionality.
- Chapter 5, will focus on the "Implementation and Testing" phase, where we will discuss the development process and the methods used to test the software.

- Chapter 6, will examine the "Impact on Society, Environment, and Sustainability," exploring the broader implications of the software's use and its contributions to these areas.
- Finally, in Chapter 7, we will outline the "Future Scope" of the software and provide our concluding thoughts on the project.

CHAPTER 2

Background

2.1 Terminologies

For Entrepreneurs (Shop Owners), the platform offers a cost-effective way to sell products without the need for a personal website. It provides easy product management, allowing shop owners to post and update listings effortlessly. Entrepreneurs can access detailed information for all their listed items and track sales performance, including product count, units sold, and total revenue.

For Customers (Users), the platform enables product browsing across a diverse range of items with the ability to filter by categories, prices, and preferences. Users can compare the best offers and discounts to find the most competitive prices. Purchases can be made securely via a trusted online payment gateway, and after buying, customers are encouraged to share reviews and ratings to provide valuable feedback.

Overall, the platform simplifies the e-commerce experience by offering a seamless interface for both business owners and customers, ensuring increased accessibility, affordability, and convenience for all users.

2.2 Related Works

In Bangladesh, several e-commerce applications, such as Daraz, provide a platform for users to easily find a wide range of products. These platforms allow users to filter items by categories and prices to help them make informed purchasing decisions. Daraz offers flexible payment options, including online payments and cash on delivery, to accommodate various preferences. Additionally, Daraz plays a significant role in supporting entrepreneurs and startup companies by offering them a space to promote and sell their products, enabling them to reach a broader audience and grow their businesses.

2.3 Scope of the problem

The scope of the problem lies in providing an efficient and accessible platform for both entrepreneurs and customers in the e-commerce space. Entrepreneurs often face challenges in reaching a wide audience and managing their product listings without the resources to build and maintain a personal website. The platform aims to solve this by offering a cost-effective solution for posting and managing products with ease, while also enabling them to track sales performance, such as product count, units sold, and total revenue.

For customers, the challenge is finding a wide range of products that meet their needs and preferences. The platform addresses this by offering robust browsing features, including filtering options for categories, prices, and special offers. Users also seek a secure and convenient payment method, which is provided through trusted online payment gateways. Additionally, the platform allows customers to share reviews and feedback to help guide other shoppers.

2.4 Challenges

Developing an application in a competitive e-commerce market is challenging, especially with the constant evolution of Android app development. To succeed, it's crucial to innovate or improve existing ideas to stand out. Without innovation, the project risks stagnation. Web developers face several challenges, such as effectively implementing concepts through visual diagrams and gathering reliable data before development. Ensuring smooth user authentication for account creation and login is essential. Additionally, finding the right API for accurate and up-to-date information, like medicine details, can be difficult. Compatibility across devices and screen sizes is crucial for user satisfaction, while compliance with data protection regulations like HIPAA and GDPR is necessary to ensure privacy and security as data volume grows.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

BPM involves representing and visualizing business processes in a graphical format. A workflow diagram is a visual depiction of the step-by-step process for a specific system or task. In the context of a Smart E-commerce Site, this diagram illustrates the various steps involved in posting, ordering, and delivering goods. The accompanying figure contains the workflow for BestDeal

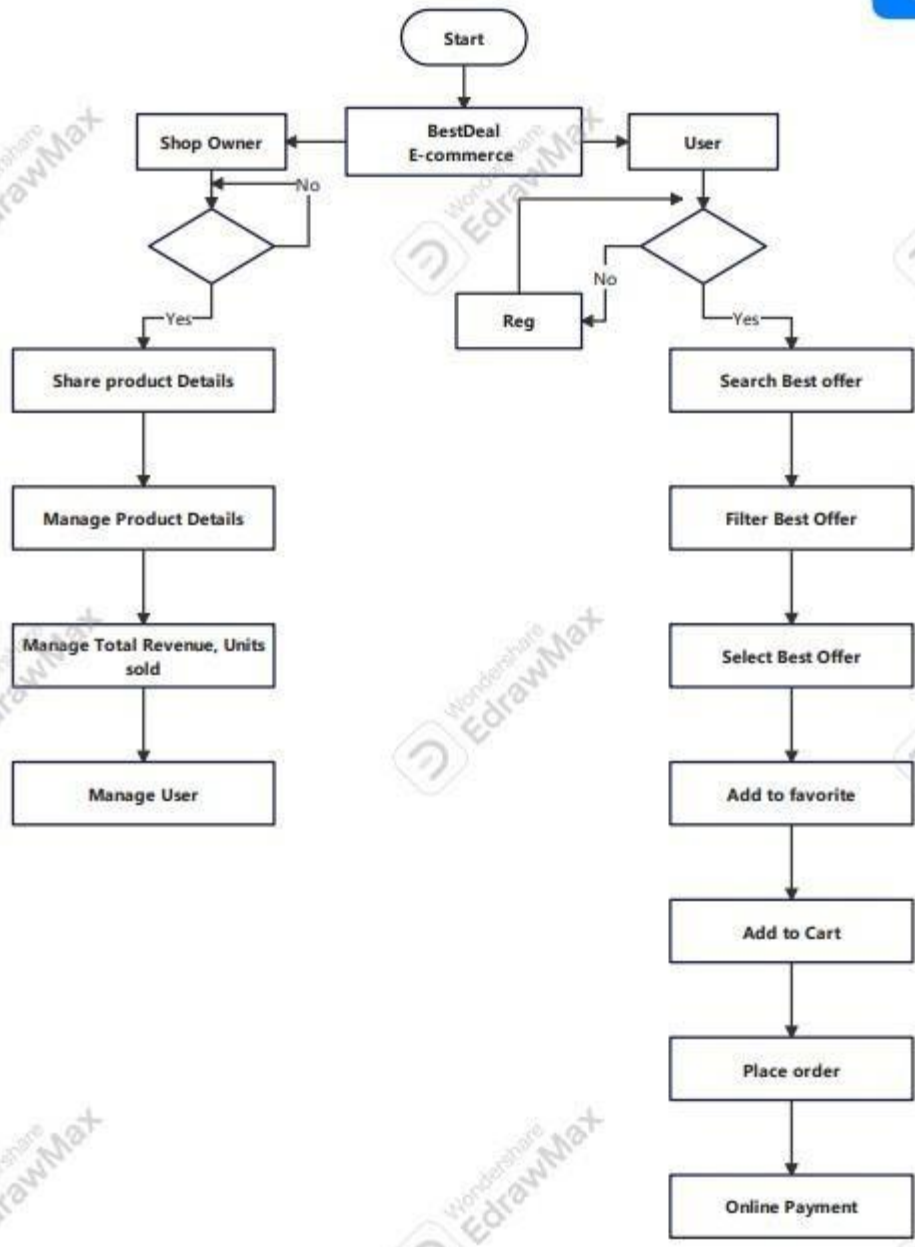


Figure 3.1 Workflow of BestDeal

3.2 Requirement Analysis

This web application is designed for users accessing it through web browsers on Android smartphones, laptops, desktops, and other devices. It requires only basic settings for smooth operation. With its user-friendly interface, the application is easy to use and can automate, organize, and manage all medical business activities effectively.

Minimum Hardware required:

- Processor-i3 10 gen
- Hard Disk-120GB
- Memory-8GB RAM

Software required:

- Visual Studio

Platform:

- Windows 7 / 8 / 10 /11
- Other latest Platform

Programming Language/ Tools:

- HTML 5
- CSS 4
- JavaScript
- Tailwind CSS
- Next.js
- Prisma
- Supabase
- Shadcn

3.3 Features

We have various characteristics in the suggested system. These are the primary attributes.

- Register Using Valid Email and Valid Phone Number
- Login using valid credentials.
- Home Page
- Profile Update
- Create Rental
- My Rental
- About This Site
- Favorite
- Filter options based on price and categories.
- Share the product with others
- Booking The Item.
- View Location
- Add to Favorite
- Add to Cart
- Online Payment
- Reservation Option
- Review
- Signout

3.4 System Modules

This project includes two essential system modules designed to enhance efficiency and usability:

1. Shop Owner Module
2. User Module.

These modules work together to create a seamless experience for all users involved.

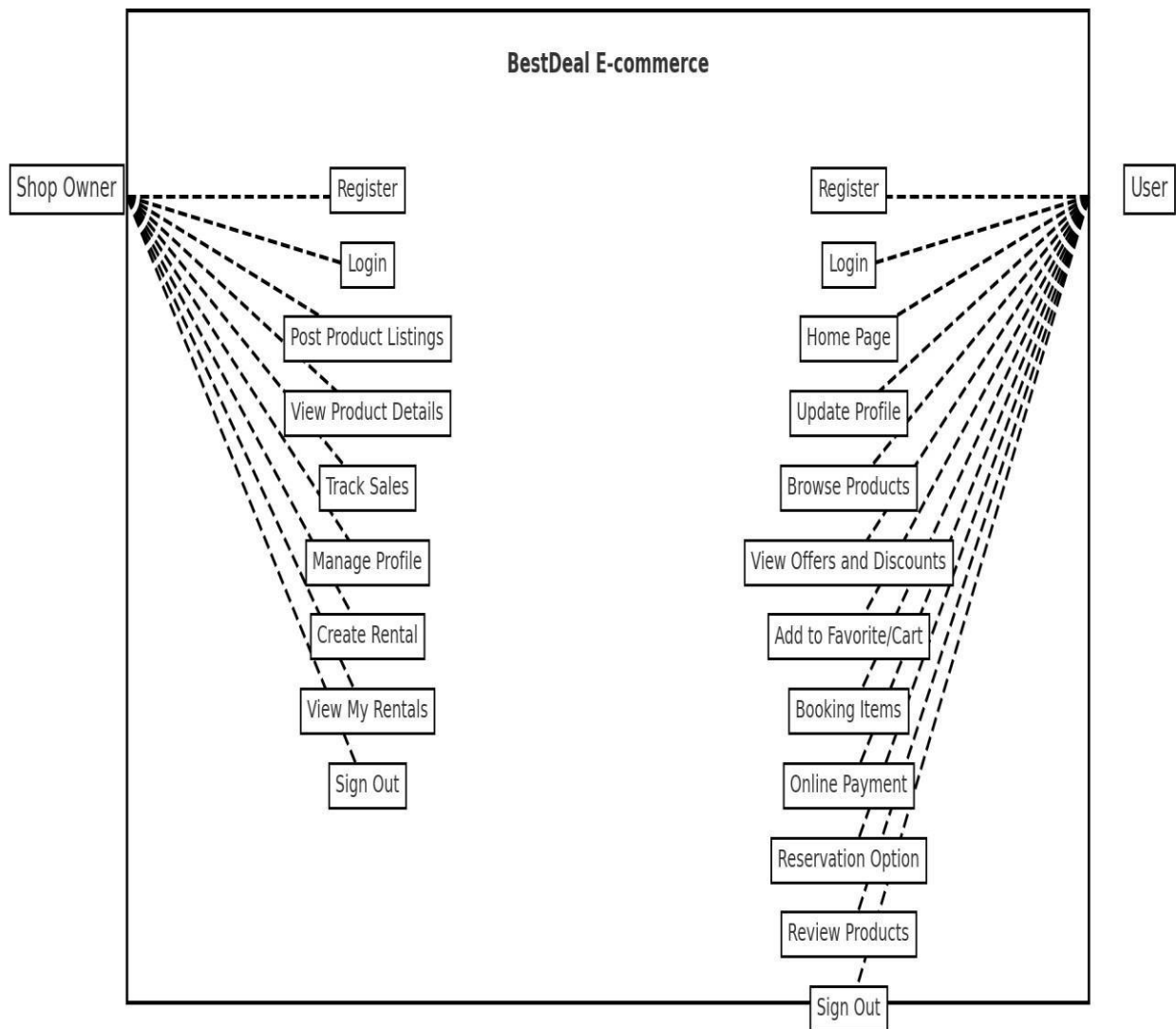


Figure 3.2 Use Case Diagram

Use Case	Register/Login
Pre-Requisite	Connect to the internet and visit the site
Primary Path	<ol style="list-style-type: none"> 1. Enter the application 2. Enter the valid credential 3. Show home page

Table 3.1 Use Case Description for Register/Login

Use Case	Create Rental
Pre-Requisite	Connect to the internet and Login
Primary Path	<ol style="list-style-type: none"> 1. Enter the application 2. Go to the Dashboard 3. View Create rental

Table 3.2: Use Case Description for Create rental

Use Case	My Rental
Pre-Requisite	Connect to the internet and Login
Primary Path	<ol style="list-style-type: none"> 1. Enter the application 2. Go to the Dashboard 3. Show My Rental

Table 3.3: Use Case Description for My Rental

Use Case	Add to Cart
Pre-Requisite	Connect to the internet and Login

Primary Path	<ol style="list-style-type: none"><li data-bbox="493 247 841 281">1. Enter the application<li data-bbox="493 302 818 336">2. Go to the Dashboard<li data-bbox="493 357 1071 390">3. Search for the product and add to cart
--------------	--

Table 3.4: Use Case Description for Add to Cart

Use Case	Manage Customer
Pre-Requisite	Connect to the internet and Login
Primary Path	<ol style="list-style-type: none"> 1. Enter the application 2. Go to the Dashboard 3. Show My Rental 4. Manage Customer

Table 3.5: Use Case Description Manage Customer

Use Case	Payment
Pre-Requisite	Connect to the internet and Login
Primary Path	<ol style="list-style-type: none"> 1. Enter the application 2. Go to the Dashboard 3. Select product 4. Select Payment 5. Give valid credentials and payment

Table 3.6: Use Case Description for Payment

3.5 Data Flow Diagram

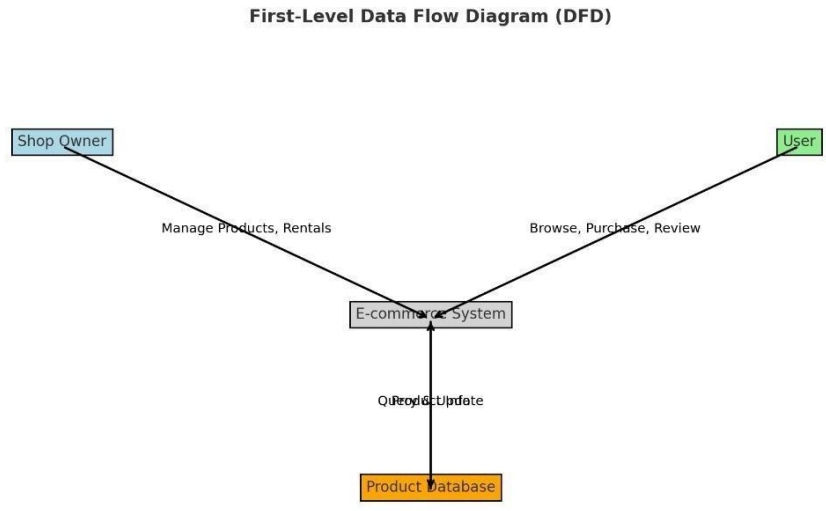


Figure 3.3: First Label DFD

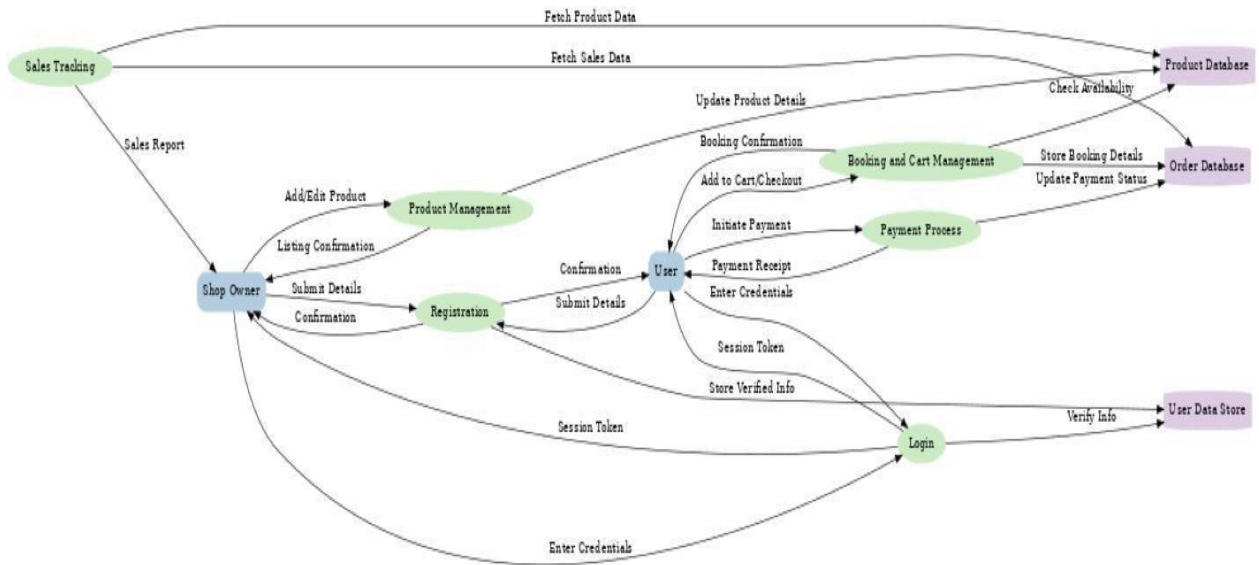


Figure 3.4: Second Level DFD

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

The front end of an application refers to the client-side interface—the visual components users interact with upon launching the app. The design of this interface plays a vital role in attracting and retaining users, showcasing elements such as visually appealing buttons, scrolling banners, elegant typography, and other engaging features.

Front-end developers are tasked with ensuring the app's appearance, functionality, layout, and content align with user expectations and preferences. Often, the design phase takes more time than development due to its emphasis on creating a user-friendly experience. Since users interact most frequently with the front end, it's essential that it is both visually attractive and responsive to enhance overall satisfaction. In addition to responsiveness, performance is critical for an app's success. To deliver a smooth user experience, the app must maintain stability and efficiency regardless of the device used.

For this application's front-end development, we rely on JavaScript and JSX. JavaScript, a powerful and versatile programming language, enables developers to create interactive and dynamic user interfaces. Frameworks such as React, Angular, and Vue.js, which are built on JavaScript, offer robust tools for developing scalable, feature-rich front-end applications.

These frameworks also encourage modularity and code reusability, making them ideal for modern development.

I am using Tailwind CSS, Shaden, Next.js, and React.js. Tailwind CSS is a utility-first CSS framework that helps create layouts that easily adapt to various screen sizes, making it very useful for building modern websites. It also allows for easy customization with themes and configurations.

Next.js simplifies navigation and management, as well as API integration. It helps to connect the front to the backend. React .js helps to provide access to libraries and tools to extend design and functionality.

JSX (JavaScript XML) enhances this process by providing an HTML-like syntax that integrates seamlessly with JavaScript. Primarily used with React, JSX simplifies the development workflow by allowing developers to define components directly within the code.

4.2 Back-end Design

The server side of an application, commonly referred to as the back end, handles all the behind-the-scenes processes that users do not directly see. While users interact with the application through the front end, the back end is responsible for managing, processing, and storing data, ensuring that everything functions smoothly. It takes care of all data handling and updates, typically using a database system.

For our back-end design, we utilize Supabase, a powerful backend-as-a-service platform that simplifies database management and server-side development. Supabase is built on PostgreSQL, one of the most robust and feature-rich relational database systems available. It offers a variety of tools and services that make back-end development more efficient and user-friendly.

Key functionalities of Supabase include real-time database capabilities, ease of integration, authentication and authorization, automatic API generation, scalability and performance, as well as security features.

By using Supabase, we streamline our back-end development process, reducing the complexity of infrastructure management while allowing us to focus on delivering a robust and scalable application. Its modern features and developer-friendly tools make it an excellent choice for building an efficient and secure back-end system.

4.3 Implementation Requirements

In below mentioned the requirements for implementing this project:

Hardware specification

Processor	Ryzen 3 3200X Six-Core Processor
Disk Space	Hard Disk of 500 GB and SSD of 40GB
RAM	8 GB
Display	1920*1080
Graphics	N/A

Table 4.1 – Hardware specification

Software specification

Operating System	Windows 11 64-bit
IDE	Visual Studio
Database	Supabase
Web Browser	Google Chrome

Table 4.2 – Software specification

CHAPTER 5

IMPLEMENTATION

5.1 Implementation of Front-end Design

Admin panels consist of a set of web pages designed for the backend user interface of a web application, utilizing HTML, CSS, JavaScript, And Supabase or other JavaScript libraries. These pre-built pages are integrated into the web application to facilitate various operations, including website maintenance, user and content management, software installation and configuration, as well as data tracking such as network traffic and user visits. This helps enhance website performance. In Below mentioned the UI designs for this application.

BESTSDEAL LANDING PAGE

This landing page displays the best deals, allowing customers to choose their preferred offers. After login they can buy it also.

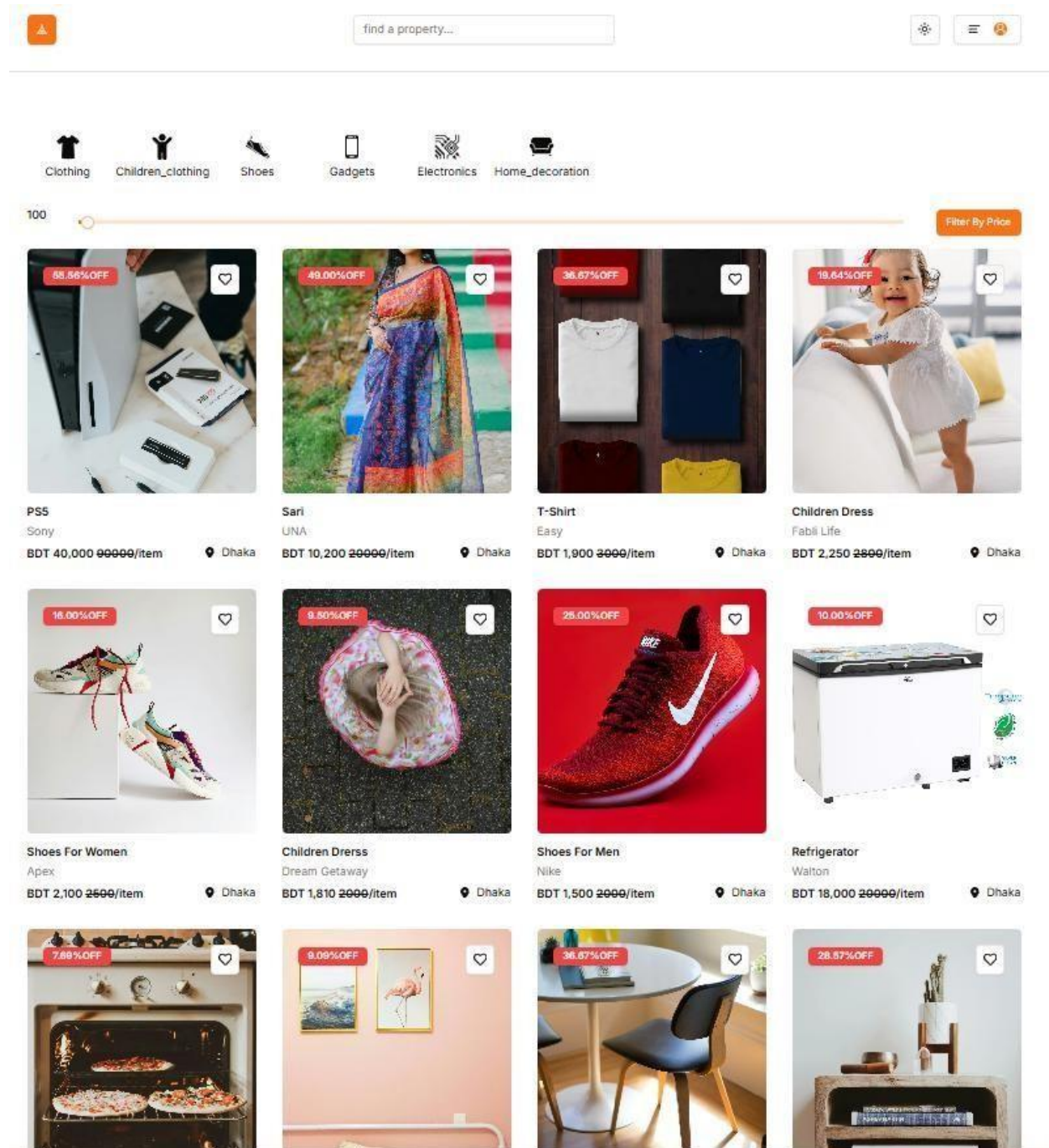


Figure 5.1: Landing Page

BESTSDEAL REGISTER PAGE

This is the register page for this site. If the user doesn't have an account than the user creates their account from this register page.

Create your account
Welcome! Please fill in the details to get started.

Facebook GitHub Google

or

Email address

Password

Continue

Already have an account? [Sign in](#)

Secured by Clerk
Development mode

Clerk is in development mode. Sign up or sign in to continue

Figure 5.2: Register Page

BESTSDEAL LOGIN PAGE

This is a login page. I am using Clerk for authentication. On this page, user can enter their valid credentials for login.

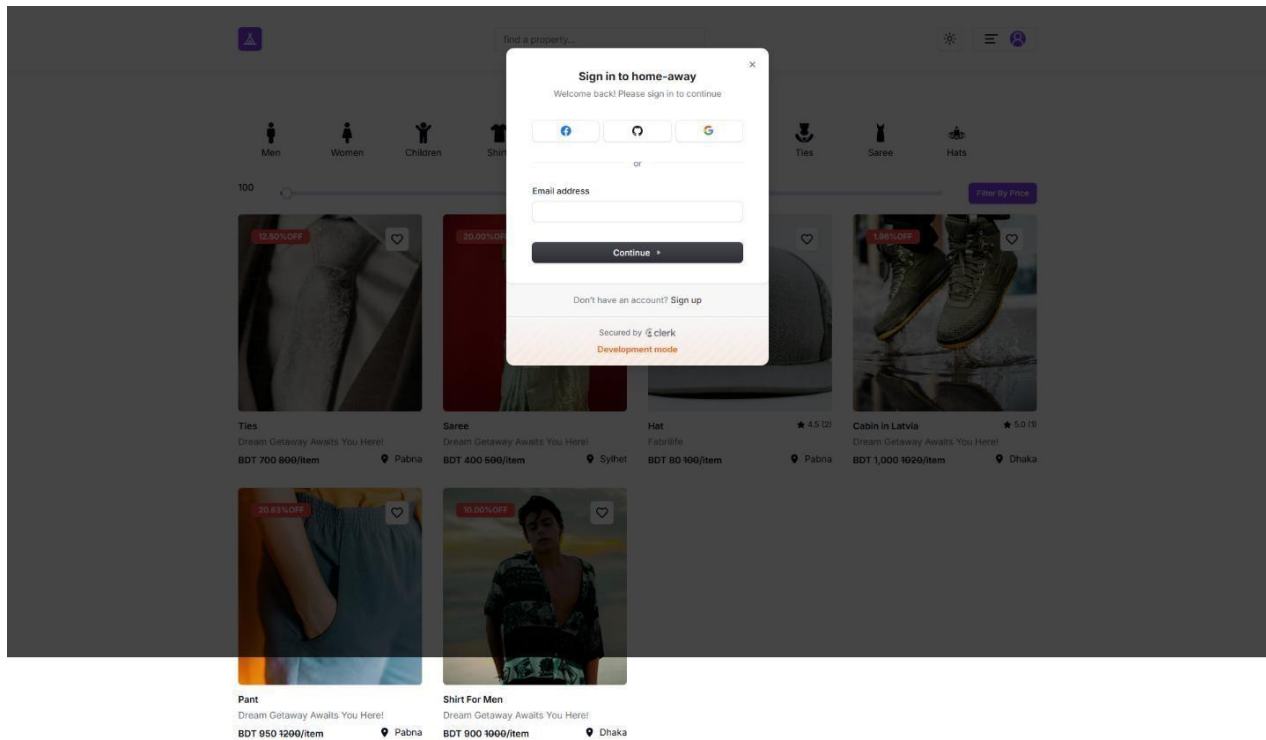


Figure 5.3: Login Page

BESTSDEAL HOME PAGE

This is the home page for BESTDEAL. After logging in, a user can view the home page, see the best deals, and discover available offers.

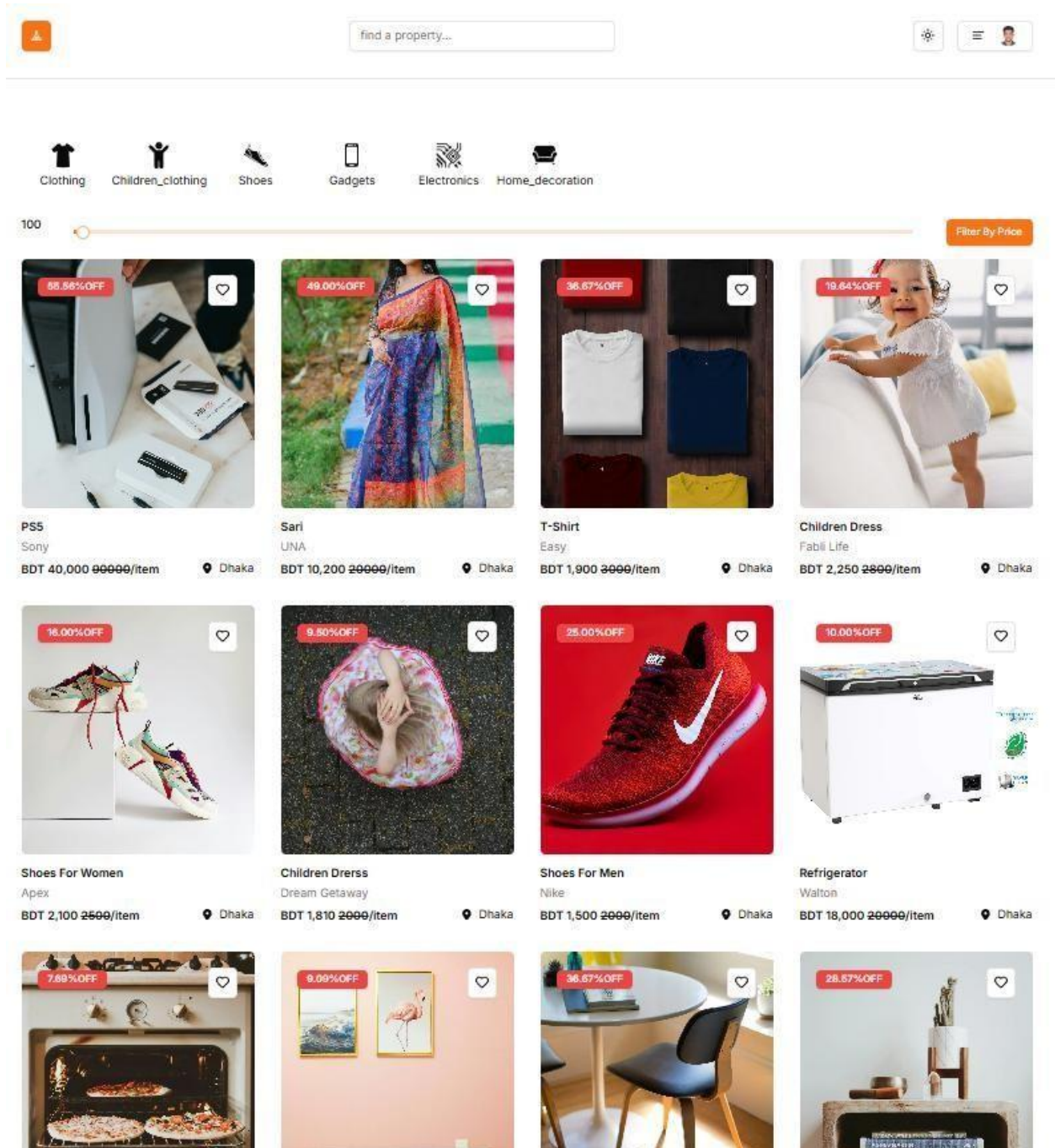


Figure 5.4: Home Page

BESTSDEAL CREATE RENTAL PAGE

This is the Create Rental page. When an entrepreneur wants to share their product via this website they can create their offer or product details from this page.

Create Property

General Info

Name (20 Limit) Tagline (30 Limit)

Price (\$) Discount (\$)

Categories

Description (10 - 1000 Words)
Glamping Tuscan Style in an Aframe Cabin Tent, nestled in a beautiful olive orchard. AC, heat, Queen Bed, TV, Wi-Fi and an amazing view. Close to Weeki Wachee River State Park, mermaids, manatees, Chassahwitzka River and on the SC Bike Path. Kayaks available for rivers. Bathhouse, fire pit, Kitchanette, fresh eggs. Relax & enjoy fresh country air. No pets please. Ducks, hens and roosters roam the grounds. We have a Pot Cake Rescue from Bimini, Retriever and Pom dog. The space is inspiring and relaxing. Enjoy the beauty of the orchard. Spring trees are in blossom and harvested in Fall. We have a farm store where we sell our farm to table products

Location (20 Limit) Image

Accommodation Details

Colors Specify the number of colors

Sizes Specify the number of sizes

Types Specify the number of types

Amenities

Unlimited Cloud Storage VIP Parking For Squirrels

Self-Lighting Fire Pit Bbq Grill With A Masterchef Diploma

Outdoor Furniture (Tree Stumps) Private Bathroom (Bushes Nearby)

Hot Shower (Sun Required) Kitchenette (Aka Fire Pit)

Natural Heating (Bring A Coat) Air Conditioning (Breeze From The West)

Bed Linens (Leaves) Towels (More Leaves)

Picnic Table (Yet Another Tree Stump) Hammock (Two Trees And A Rope)

Solar Power (Daylight) Water Supply (River A Mile Away)

Cooking Utensils (Sticks And Stones) Cool Box (Hole In The Ground)

Lanterns (Fireflies) First Aid Kit (Hope And Prayers)

Figure 5.5: Create Rental Page

BESTSDEAL ADMIN & REVENUE PAGE

This is the manage product page. With the help of this page, an entrepreneur can see their revenue and also see the quantity of selling products.

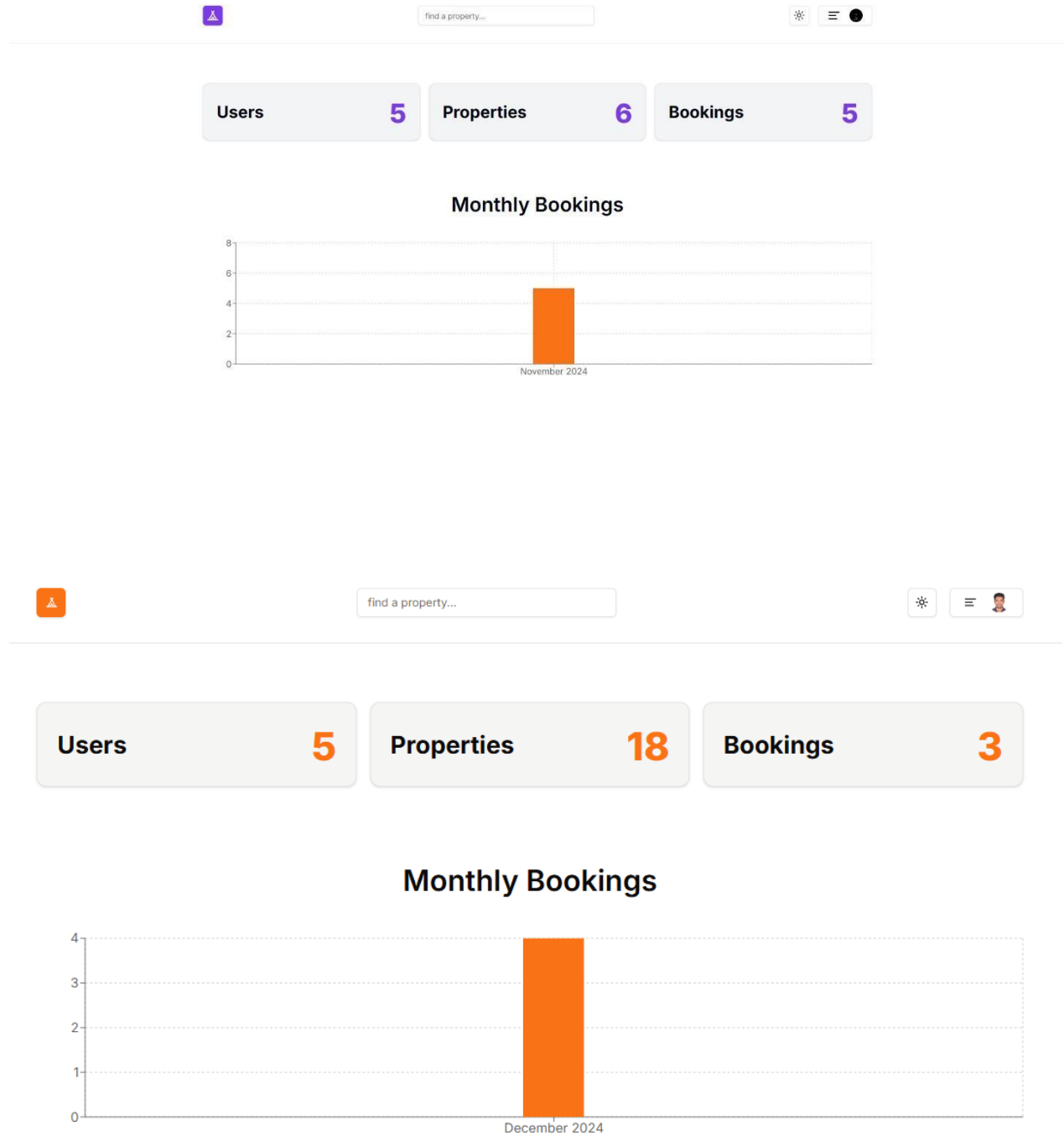
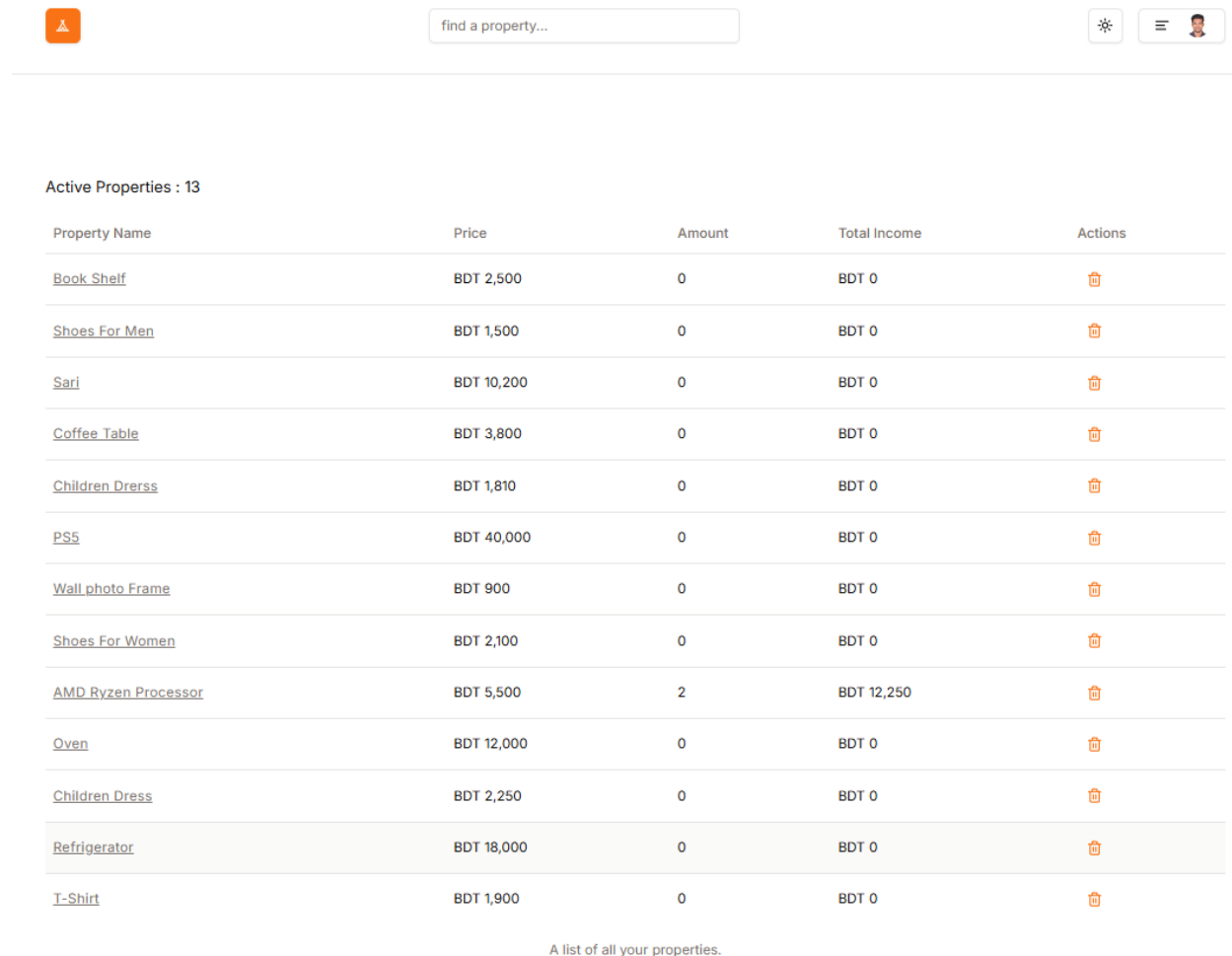


Figure 5.6: Admin & Revenue Page

BESTSDEAL MY RENTAL PAGE

This is the page of my rental page. User can see their ordered item and rental items from this page. Also, users can Track their product records.



Active Properties : 13

Property Name	Price	Amount	Total Income	Actions
Book Shelf	BDT 2,500	0	BDT 0	
Shoes For Men	BDT 1,500	0	BDT 0	
Sari	BDT 10,200	0	BDT 0	
Coffee Table	BDT 3,800	0	BDT 0	
Children Drerss	BDT 1,810	0	BDT 0	
PSS	BDT 40,000	0	BDT 0	
Wall photo Frame	BDT 900	0	BDT 0	
Shoes For Women	BDT 2,100	0	BDT 0	
AMD Ryzen Processor	BDT 5,500	2	BDT 12,250	
Oven	BDT 12,000	0	BDT 0	
Children Dress	BDT 2,250	0	BDT 0	
Refrigerator	BDT 18,000	0	BDT 0	
T-Shirt	BDT 1,900	0	BDT 0	

A list of all your properties.

Figure 5.7: My Rental Page

BESTSDEAL SELECT PRODUCT PAGE

This is the select product page. User can see their selected item details from this page then they can select the item for buying.

Home > Saree

Dream Getaway Awaits You Here!

Saree
2 colors 2 sizes 1 type

Hosted by **Shohag**
Superhost · 2 years hosting

Amount: 0
[Add The Item](#)

Description

Glamping Tuscan Style in an Aframe Cabin Tent, nestled in a beautiful olive orchard. AC, heat, Queen Bed, TV, Wi-Fi and an amazing view. Close to Weeki Wachee River State Park, mermaids, manatees, Chassahwitzka River and on the SC Bike Path. Kayaks available for rivers. Bathhouse, fire pit, Kitchenette, fresh eggs. Relax & enjoy fresh country air. No pets please. Ducks, hens and roosters roam the grounds. We have a Pot Cake Rescue from Bimini, Retriever and Pom dog. The space is inspiring and relaxing. Enjoy the beauty of the orchard. Spring trees are in blossom and harvested in Fall....
[Show more](#)

What this product offers

- Unlimited Cloud Storage
- Self-Lighting Fire Pit
- Outdoor Furniture (Tree Stumps)

Where you will be staying

Sylhet

[Leave a Review](#)

Figure 5.8: Select Product Page

BESTSDEAL FAVORITE PAGE

This is a favorite page. If a user chooses the item they can add this product to their favorite. It helps to select the product more easily.

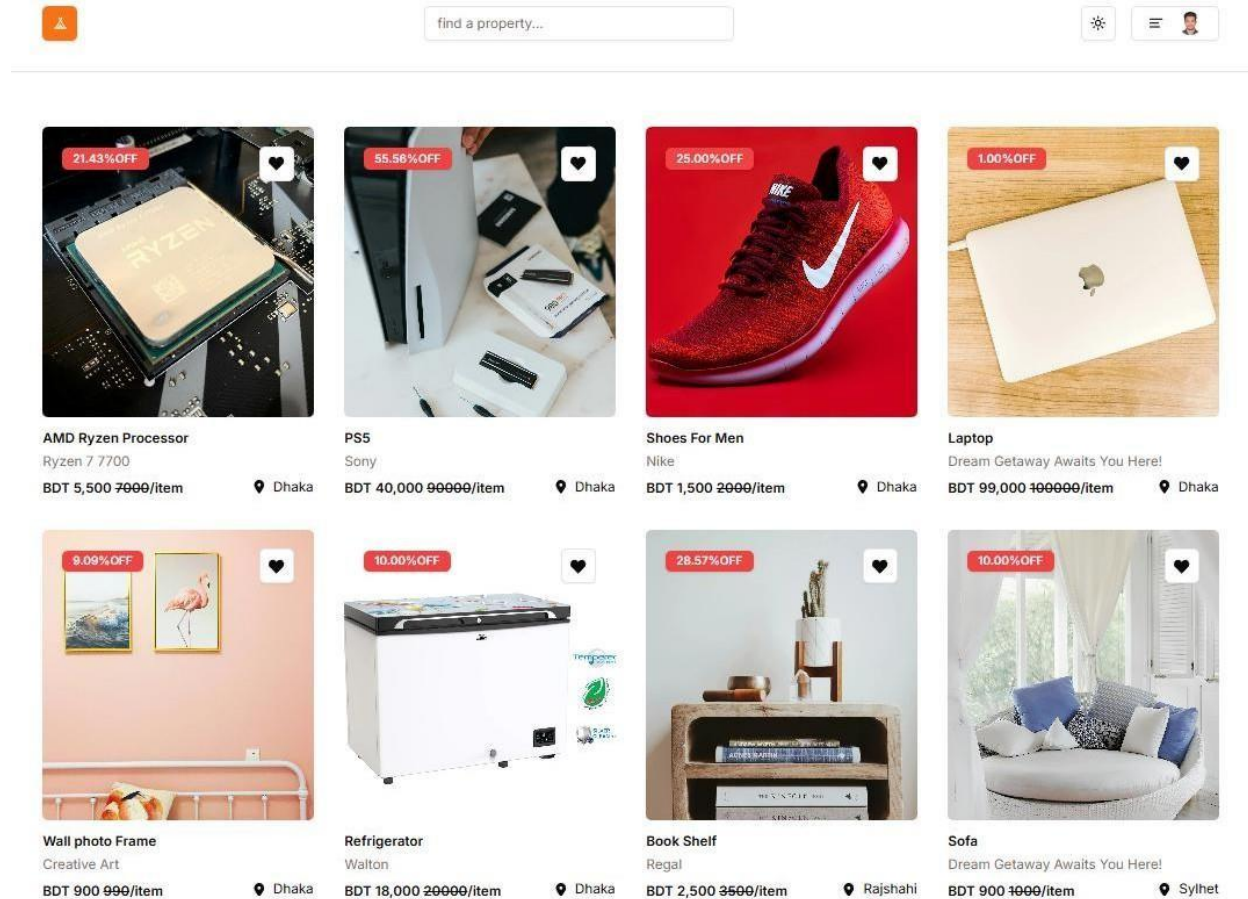


Figure 5.9: Favorites Page

BESTSDEAL ADD TO CART PAGE

This is a BestDeal add-to-cart page. This page shows the item details, price, shipping cost, delivery cost, tax, etc.

Amount

Add The Item

Summary

\$400 × 2 items	BDT 900
Shipping Cost	BDT 21
Delivery Cost	BDT 40
Tax	BDT 90

Booking Total **BDT 951**

Reserve

Figure 5.10: Add to Cart Page

BESTSDEAL BOOKING PAGE

This is a booking page. User can see their booking item with the help of this page.

This page also shows the booking item in details information.

The image shows two screenshots of a web application interface for a booking page. The top screenshot displays reservation statistics and a table of recent reservations. The bottom screenshot displays booking statistics and a table of recent bookings.

Total Reservations : 4

Properties	13	Amount	10	Total	BDT 114,930
Property Name	Location	Amount	Total		
Wall photo Frame	Dhaka	2	BDT 2,130		
Sari	Dhaka	3	BDT 33,810		
PS5	Dhaka	1	BDT 44,150		
AMD Ryzen Processor	Dhaka	2	BDT 12,250		

A list of your recent reservations.

Total Bookings : 4

Property Name	Location	Amount	Total	Actions
Wall photo Frame	Dhaka	2	BDT 2,130	
Sari	Dhaka	3	BDT 33,810	
PS5	Dhaka	1	BDT 44,150	
AMD Ryzen Processor	Dhaka	2	BDT 12,250	

A list of your recent bookings.

Figure 5.11: Booking Page

BESTSDEAL PAYMENT PAGE

This is the Payment page for this website. We are using the Stripe API payment gateway system for online payment. User can buy their products with the help of this online payment system.

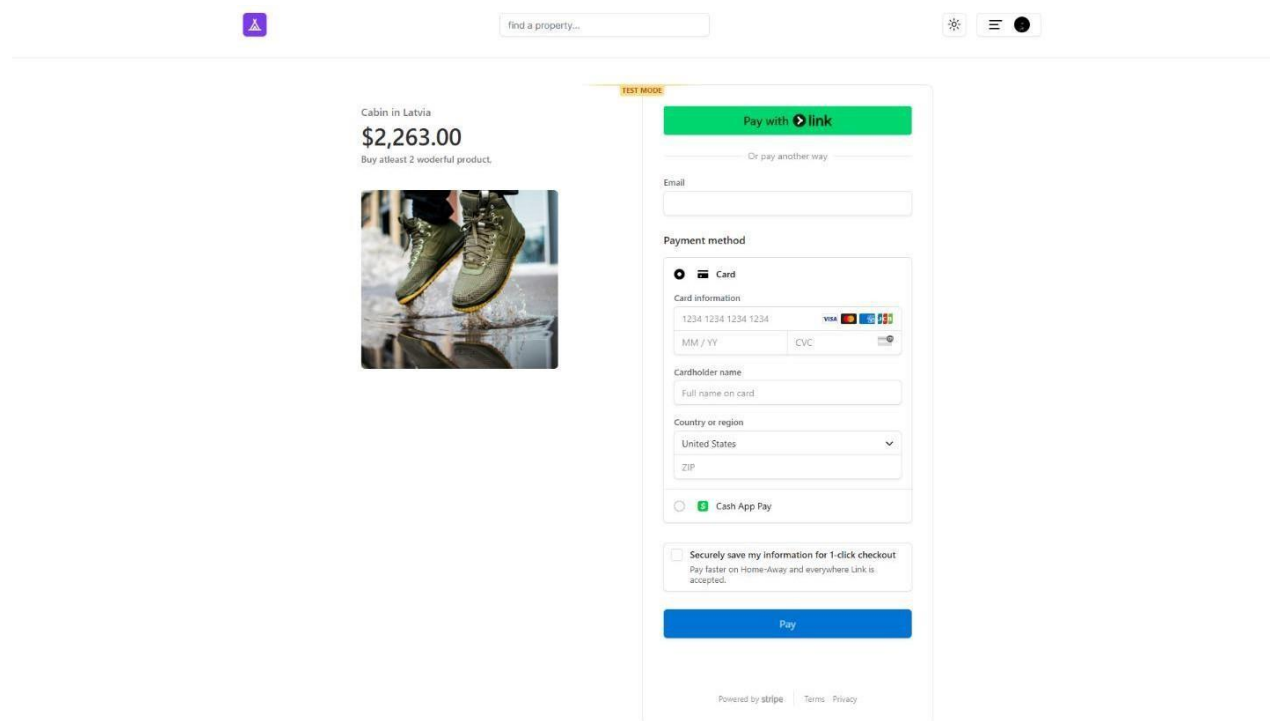


Figure 5.12: Payment Page

BESTSDEAL CATAGORIES PAGE

This is a category page of this site. User can select categories for filtering their best offer. This page shows the all categories. Like clothing, gadgets, electronics, etc.

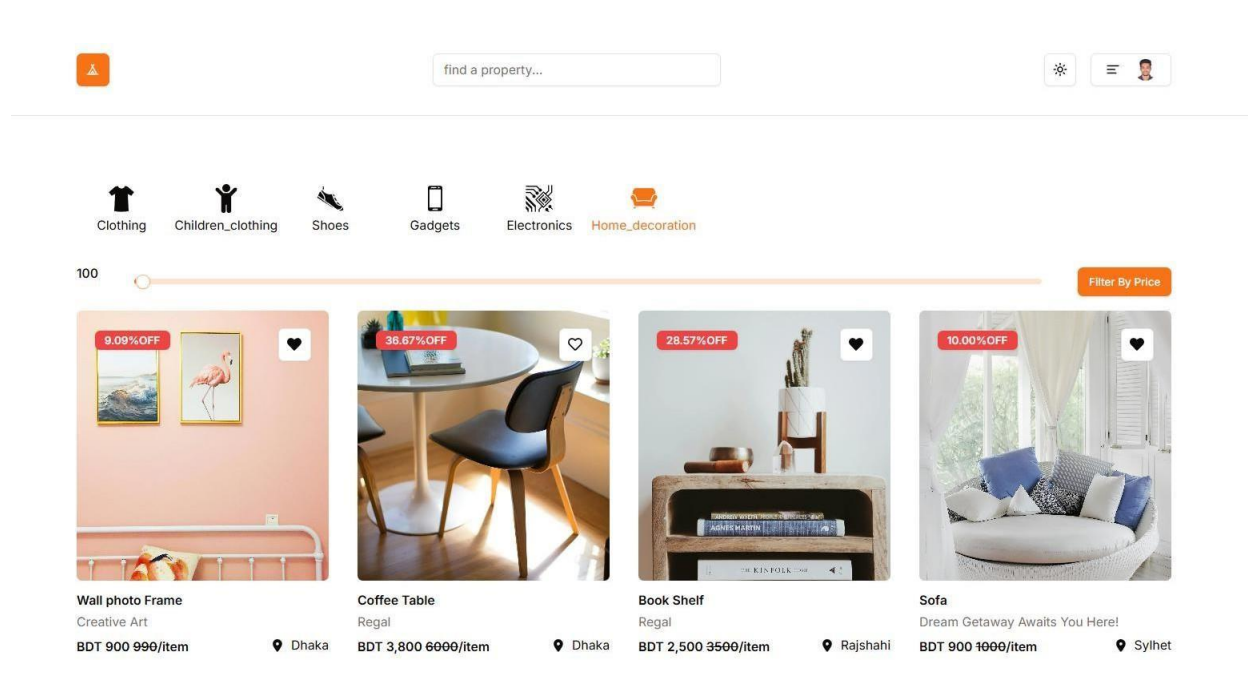


Figure 5.13: Categories Page

BESTSDEAL REVIEW PAGE

This is a review page for this site. When a user buys their product then they can leave a review about the product for the other customers to understand the product quality.

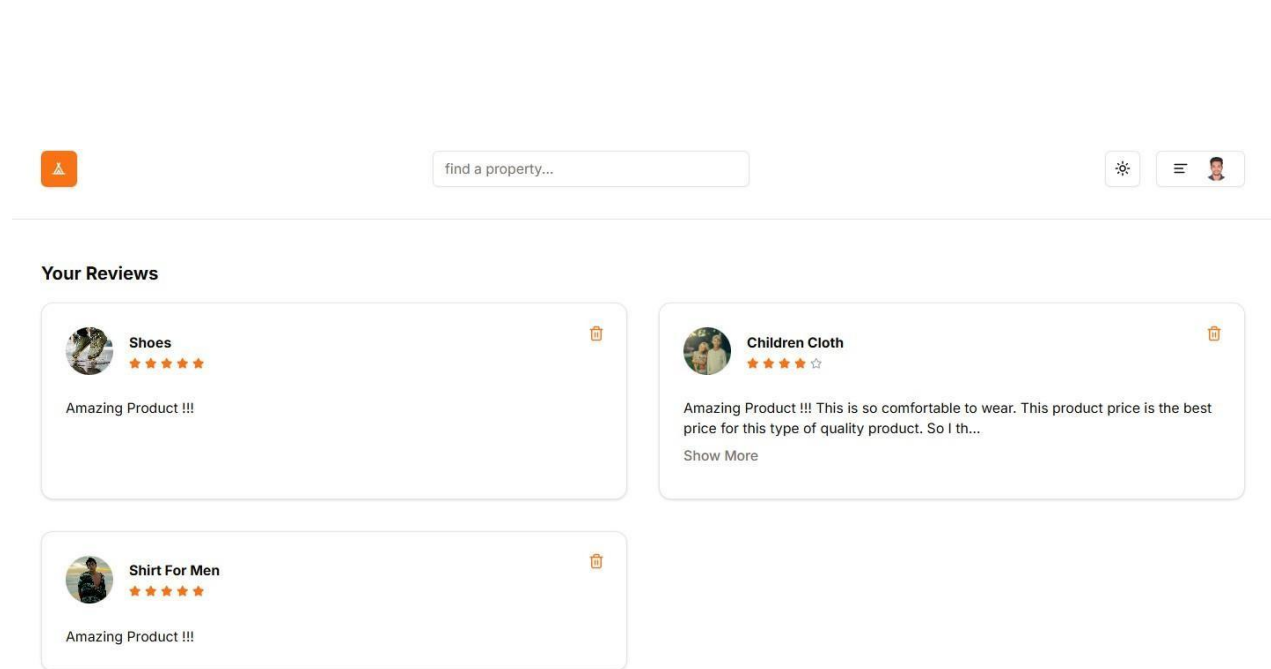


Figure 5.14: Review Page

BESTSDEAL LOGOUT PAGE

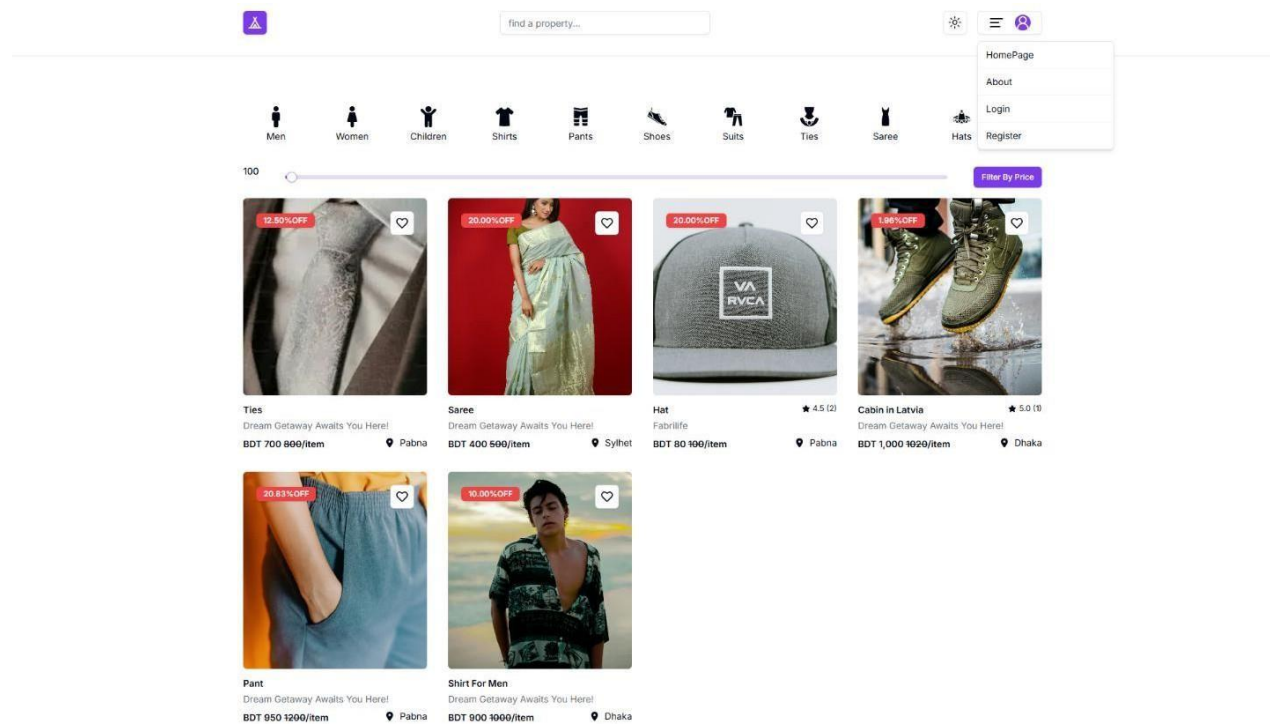


Figure 5.15: Logout Page

5.2 Implementation of Back-end Design

Generally, database design informs the back-end design of an application. In here using supabase which is do anything to do with the server-to-user connection. For managing data using supabase because supabase is a Postgres database.

Table Editor

Ebadur_Shohag Free / Home-Away-Demo Enable branching

Feedback

Filter Sort Insert Add RLS policy role postgres Realtime off API Doc

	id text	amenities text	createdAt timestamp	updated... timesta...	profileid text	color
	0bbb5f32-87e0-4d6c-a626-e91aa3d925fc	[{"name":"Wide variety of clothing","selec	2024-12-01 13:56:18.572	2024-12-01 13:56:18.572	user_2pRsdKu7CuxruNujfY7RGdn...	1
	1955ca5a-6920-4425-9370-80a65d8053d	[{"name":"Wide variety of clothing","selec	2024-12-02 07:53:38.57	2024-12-02 07:53:38.57	user_2pYTnaH5KpPF3SpxPeVcl...	3
	1c54e07d-dd5e-4994-a302-1cdcc9f53e9a	[{"name":"Wide variety of clothing","selec	2024-12-01 15:47:29.903	2024-12-01 15:47:29.903	user_2pYTnaH5KpPF3SpxPeVcl...	0
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	f07f726d-cbd4-4a3d-985e-b5586fecd83f	[{"name":"Wide variety of clothing","selec	2024-12-02 09:47:37.179	2024-12-02 09:47:37.179	user_2pYTnaH5KpPF3SpxPeVcl...	2
	f7d8597c-a297-4fee-a78b-dfcf348a2fc8	[{"name":"Wide variety of clothing","selec	2024-12-01 13:51:50.542	2024-12-01 13:51:50.542	user_2pRsdKu7CuxruNujfY7RGdn...	3

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	1955ca5a-6920-4425-9370-80a65d8053d	[{"name":"Wide variety of clothing","selec	2024-12-02 07:53:38.57	2024-12-02 07:53:38.57	user_2pYTnaH5KpPF3SpxPeVcl...	3
	1c54e07d-dd5e-4994-a302-1cdcc9f53e9a	[{"name":"Wide variety of clothing","selec	2024-12-01 15:47:29.903	2024-12-01 15:47:29.903	user_2pYTnaH5KpPF3SpxPeVcl...	0
	2730a276-b241-46ba-9510-7f04a2bf5246	[{"name":"Wide variety of clothing","selec	2024-12-02 06:31:45.053	2024-12-02 06:31:45.053	user_2pYTnaH5KpPF3SpxPeVcl...	2
	277affda-8ea5-46d8-90f1-5a060a6c2d47	[{"name":"Wide variety of clothing","selec	2024-12-01 13:49:35.204	2024-12-01 13:49:35.204	user_2pRsdKu7CuxruNujfY7RGdn...	3
	336cf42d-5e9f-4b08-b9cf-8b553bbd4501	[{"name":"Wide variety of clothing","selec	2024-12-02 07:22:07.012	2024-12-02 07:22:07.012	user_2pYTnaH5KpPF3SpxPeVcl...	4
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	a2082485-4cb0-413f-aacc-02fa3bc4b7e0	[{"name":"Wide variety of clothing","selec	2024-12-02 08:01:32.235	2024-12-02 08:01:32.235	user_2pYTnaH5KpPF3SpxPeVcl...	4
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	f7d8597c-a297-4fee-a78b-dfcf348a2fc8	[{"name":"Wide variety of clothing","selec	2024-12-01 13:51:50.542	2024-12-01 13:51:50.542	user_2pRsdKu7CuxruNujfY7RGdn...	3

Figure 5.16: Database Page

CHAPTER 6

SOCIETY IMPACT

6.1 Society Impact

The project aims to establish a unified platform that connects entrepreneurs with customers while addressing the key challenges each group faces. By bridging the gap between businesses and potential customers, this platform has the potential to bring about significant positive changes in society, making commerce more inclusive and accessible.

Key Benefits of the Project:

- Empowering Entrepreneurs and Small Businesses
- Enhancing Accessibility for Consumers
- Promoting a Digital Economy
- Supporting Sustainability
- Strengthening Communities
- Democratizing Commerce
- Encouraging Informed Consumer Choices

6.2 Sustainability Plan

This application is designed specifically for entrepreneurs and users. Shop owners can create their own accounts to share product details confidently. They can receive orders and sell their products through this site. Users can search for the best deals and make purchases directly on the site. Only valid accounts will be able to log in to the application.

CHAPTER 7

CONCLUSION

7.1 Discussion and Conclusion

This project introduces a comprehensive e-commerce platform designed to tackle the challenges faced by both entrepreneurs and consumers. The idea originates from the need to consolidate all available discount offers into a single, user-friendly website. For entrepreneurs, especially those starting their businesses, establishing an online presence can be costly and technically demanding. Developing and maintaining a personal website involves significant investments of time, money, and resources. This platform offers a cost-effective alternative where shop owners can easily post, manage, and sell their products without the burden of building their own websites.

In conclusion, this project aims to revolutionize the e-commerce experience by creating a unified platform that bridges the gap between entrepreneurs and customers. By addressing the challenges faced by business owners and simplifying the shopping process for consumers, it promotes inclusivity and accessibility in the digital marketplace.

Entrepreneurs benefit from an affordable and user-friendly solution to showcase and sell their products, while consumers gain access to a diverse range of discounted offers all in one convenient location. The platform also contributes to the growth of the digital economy, enhances digital literacy, and encourages smart consumerism. With features that ensure reliability, security, and convenience, this project has the potential to positively impact society by empowering small businesses, fostering economic growth, and creating a more sustainable and connected marketplace. Ultimately, it demonstrates the power of technology in addressing real-world problems and improving the lives of both businesses and consumers.

7.2 Limitation

Perfection is an ideal that is rarely achieved, and every project comes with its own set of limitations. This application is no exception, as it has certain constraints, which include the following:

- The application is currently not available on the Android platform.
- It relies on a stable internet connection to operate effectively.
- A chat feature for direct communication is not yet implemented.
- The platform does not support a cash-on-delivery payment option.

7.3 FUTURE WORK

The following features are planned for future implementation:

- Expanding the site to support both Android and iOS platforms.
- Improving the UI and UX for enhanced performance.
- Upgrading the security measures to ensure better protection.
- Enhancing the visual appeal of the user interface.
- Introducing a cash-on-delivery payment option.
- Adding a chat feature for improved communication.

References

- [1] How many smartphones are currently in use worldwide? [online] at: <https://www.bankmycell.com/blog/how-many-phones-are-in-the-world/>
- [2] Top Countries by Number of Smartphone Users [online] at: <https://newzoo.com/insights/rankings/top-countries-by-smartphone-penetration-and-users/>

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