

BD-E-SHOPPER

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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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APPROVAL

The Project titled “**BD-E-SHOPPER**,” submitted by Mohamed Tasadduq Hossain Pias, ID No: 142-15-3822 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 7th may 2018.

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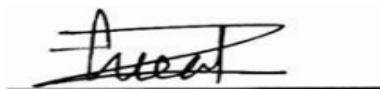
I hereby declare that, this project has done by me under the supervision of Shah Md Tanvir Siddiquee, Senior Lecturer of CSE Daffodil International University and co-supervision of Md. Jueal Mia, Lecturer of CSE Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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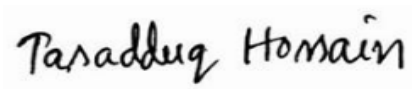
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ABSTRACT

BD-E-SHOPPER is an e-commerce based project for business-to-consumer aspect. The business-to-consumer aspect of electronic commerce (e-commerce) is the most visible business use of the World Wide Web. The primary goal of an e-commerce site is to sell goods and services online. This project deals with developing an e-commerce website for me to do business online through BD-E-SHOPPER web application. It provides the user with a catalog of different product available for purchase in the store. In order to facilitate online purchase a shopping cart is provided to the user. The system is implemented using a 3-tier approach, with a backend database, a middle tier of PHP Laravel Framework and MySQL, and a web browser as the front end client. In order to develop an e-commerce website, a number of Technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as PHP Laravel Framework, programming languages like OOP PHP, JavaScript, JQuery, JSON, Ajax, relational databases MySQL. This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.

The objective of this project is to develop a general purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number or cash on delivery. An e-mail notification is sent to the customer as soon as the order is placed.

1.2 Motivation

People are always interested in technology. We always like to digitalize. That thing also goes for marketing and shopping. Nowadays people like to get their things from internet so as their products. That's the reason e-commerce is getting popular day by day. In near future e-commerce will be the main market place for general people. On the other hand it is so much helpful to the sellers. They can easily introduce their products and services. They can easily enter the global market and can easily fill the customer's demand. By thinking that scenario I am motivated to build an e-commerce site. Some potential benefits and motivation reasons are given below:

Motivation for E-commerce site

- To provide central service of domain and hosting
- To provide a built-in e-commerce portal without knowing programming
- Less time to launch an e-commerce portal
- To introduce new product and services
- To take advantage of brand name
- To enter the global marketplace.
- To react to pressure from competitors
- To meet customers demand
- To increase sales
- To reduce transaction costs
- To reduce customer support costs
- To reduce implementation costs

Potential benefits for business

- Launch e-commerce portal in less time
- No need to maintain separate domain and hosting
- No need to pay for e-commerce portal development
- Worldwide reach
- Any hour of the day, any day of the year
- Find and new customers
- Eliminate intermediaries
- Turn customers into “free employees” who perform correct order data entry, helped by intelligent software agents
- Reduce credit and collections expenses

Marketing

- Low cost and global marketing channel
- Update product catalogs in real time
- Deliver personalized shopping experience

- Showcase hot products on main shop page
- Offer coupon and discounts
- Showcase of related products

Customer support

- Order tracking
- Extensive self-service information
- Individual dialog via e-mail
- Customer total sales tracking

Potential benefits for customer

- Get various types of shops in one place
- Get summary of shop page in specific category
- From the comfort of home or office
- Any hour of the day, any day of the year
- Access to worldwide choices
- Access to cost competition
- Access to extensive marketing information on products of interest
- No waiting lines
- No sales person
- Use of intelligent agent to facilitate the preparation of the order
- The balance of bargaining power is shifting from sellers to customers

1.3 Objectives

By using an e-commerce web portal, a business owner or shop owner can easily manage their business by showcasing products in different way, selling them online without storing products at shop, apply various business policies like coupon, membership discount, reward on purchase history, get report of monthly sell, customize theme or outlook of portal etc. This will be more beneficial if any business owner can setup all these things without knowing programming and

without buying domain, hosting, especially if they can setup their e-commerce site within 10 minutes. The main benefits are listed below-

- User can get his/her own shop using registration system.
- Manage full site from admin dashboard.
- Add billing or payment information.
- Add, update products with price and descriptions.
- Set coupon or discount offer.
- Generate sell report on monthly basis.
- Use the internet to showcase all products.
- Get orders though online.
- Expand the sales outside of local area.
- Sell products online on a 24X7 basis.
- Reduce overall marketing expenses.
- Enhance customer service.
- Reduce development or maintenance cost.

1.4 Benefits of The Project

E-commerce is the easiest way of shopping.

- It alleviate the time abuse for shopping
- Seller can easily sell through marketing.
- Buyer can search the product easily.
- Miscellaneous product can get one place.
- Price can be compared easily.
- Reduce development or maintenance cost.
- Enhance customer service.
- Expand the sales outside of local area.
- Get orders though online.
- Generate sell report on monthly basis.
- User can get his/her own shop using registration system.

- Manage full site from admin dashboard.
- Shops are open for 24*7.

1.5 Expected Outcome

BD-E-SHOPPER will make a way for buyer to communicate with seller. This project will do tremendous help to the seller for their product marketing. This will be most efficient way to the shopping system. It will consume our time and flexible our shopping. Some specific outcome or feature are given below:

❖ Information about products

A customer can search over internet to get information about a product by using this e-commerce web application (BD-E-SHOPPER). They can select and choose one or multiple products which they are interested to purchase. It is very easy and convenient to the inquiry about a product and able to compare price and quality of the same product of different brand using this system without going to the super shop or market.

❖ Online purchase

In this system one customer can easily purchase a product without hassle. To get this facility he needs a computer with internet connection. And now a day's internet connection is very economical in our country which is a vital point for this project. To purchase the product user must be login and choose the product. Then pay for the product.

❖ Cash on delivery

If customer don't have any card system to pay or not willing to pay in online then this option will also help. By this option customer will be able to pay hand to hand to the delivery man after getting his product.

❖ Create user

For using this system a user must be created or registered. To complete this task a general blank form needs to be filled with user information, user ID and password. A user can modify the entered data or information. Administrator has all the rights to delete any user and create them.

❖ **Managing product**

Admin has all the rights to manage the product. For this he must be login with a valid user name or password. Then admin can add, delete, update etc. to the database.

❖ **Messaging**

User can send message to admin for his queries. Admin can also reply back to the user. The admin also send notification to the user.

1.6 Report Layout

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CHAPTER 2

BACKGROUND

2.1 Introduction

Since the development of the Internet, many things that were pretty hard to obtain or to do, like information on a large variety of topics or communication with distant friends have become so simple that anyone can have access to them just by using a computer. Among the many advantages that the Internet gives us, one of the main ones is online shopping, an activity that many have become addicted to.

It is known globally that, in today's market, it is extremely difficult to start a new small-scale business and its sustenance with competition from the well-established and settled/brand owners. Most often, even if the quality of the product is really good, due to a lack of advertisement or business at the small scale, it just becomes another face in the sea, and the product does not reach a larger group of customers. In fast paced life of today when everyone is squeezed for time, the majority of people are finicky when it comes to doing physical shopping. Logistically, a consumer finds a product more interesting and attractive when they find it on the website of a retailer directly and are able to see item's details online. The customers of today are not only attracted because online shopping is very convenient, but also because they have broader selections, highly competitive prices, better information about the product (including people's reviews) and extremely simplified navigation for searching regarding the product. Moreover, business owners often offer online shopping options at low rates because the overhead expenses in opening and running a physical store are higher. Further, with online shopping, their products have access to a worldwide market, which increases the number of customers from different ethnic groups, adds customer value, and overall sustainable in the marketing.

Online web stores, such as Amazon and eBay, have gained huge popularity over the years because one can buy almost everything at these stores. These web stores also give an opportunity to a lot of small-scale companies and manufactures to reach the global market and to directly sell their products to people without involving different other companies or middlemen before their product can reach the shelves of a physical store. Further, instead of using the available platforms,

manufacturers can bring a concept of designing their own web store to sell their products directly to the masses.

2.2 Related Works

There is many types of online marketing system at present time. They can be different by their working system but their purpose is pretty much specific and that is marketing through internet. Some example are given below.

❖ F-Commerce

Facebook Commerce is selling with Facebook. F-Commerce, derived from e-commerce, is the use of Facebook as a platform for facilitating and executing sales transactions - either on Facebook itself or externally via the Facebook Open Graph. F-commerce is a form of social commerce, the use of social media, online media that supports social interaction and user contributions, to assist in the online buying and selling of products and services. [1]

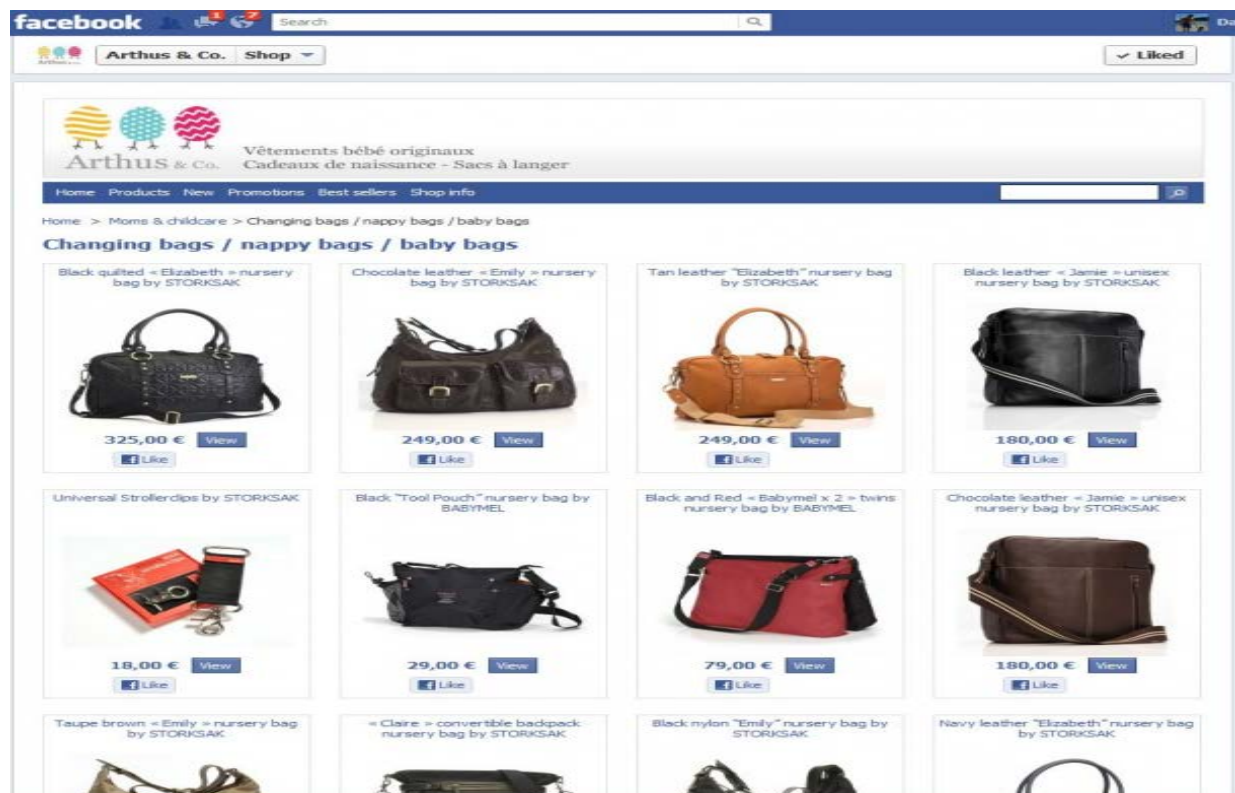


Figure 2.1: F-Commerce

❖ M-Commerce

M-Commerce is defined as any transaction with monetary value that is conducted via a mobile telecommunications network. M-Commerce like E-Commerce can be B2B (business to business), P2P (person to person) or B2C (business to customer) oriented. The framework divides into couple sub areas based on user's distribution criterion. Mobile Ecommerce addresses electronic commerce via mobile devices, where the consumer is not in physical or eye contact with the goods that are being purchased. On the contrary in M-Trade the consumer has eye contact with offered products and services. In both cases the payment procedure is executed via the mobile network. [2]



Figure 2.2: M-Commerce

❖ Affiliate Marketing

Affiliate Marketing is the practice whereby a digital publisher or website promotes an online retailer and earns a commission based on the sales or leads that the advertising generates for that online retailer. The term of this payment metric is called CPA (cost per action). Typically an 'Action' is a sale of an online good or service, but it can also be a lead or registration, a call, a download or any other trackable action that is desired of the end customer. In recent years this has grown to even include offline sales provided that can be tracked back by a coupon or barcode. [3]



Figure 2.3: Affiliate Marketing

2.3 Comparative Studies

BD-E-SHOPPER is an online shopping system through a dynamic website. It will be run on its own domain and hosting. From that purpose any user from anywhere will be able to access in it. Any user will be able to see the product details and price details. Admin will be able to control over the website. From that view this web application will be far better than any other marketing system. Some comparison with other e-commerce system with this web application are given below:

❖ Comparing with F-Commerce

- User don't need any Facebook account.
- Don't need to log in to the Facebook.
- Product can be searched easily.
- User friendly.

❖ Comparing with M-Commerce

- Don't need to install any mobile app.
- Don't need to search for the app.

2.4 Scope of the Problem

❖ Laravel Framework

For being new on this platform it can be very difficult to fulfill the project requirement. There is some security issue for this framework what is very harmful this types of project.

❖ Payment Security

For being the shopping system in online there need to be an online payment system. Online payment system is vulnerable for security. This security is the major problem for this project.

❖ Product Security

In this shopping system the most common problem is product security. Most of the time customer claim duplicate product.

❖ Delivery in Time

Delivery the product in time is the most important part in e-commerce. Most of the time customer don't get his product in time. It is a very major problem.

❖ Price Negotiation

Sometimes customer is unable to negotiate the price in e-commerce. Some customer don't like the system because of this.

2.5 Challenges

Challenges for this type of task which is really difficult to overcome. But things can be solved. There are a lots of challenges came ahead to develop the E-commerce web application (BD-E-SHOPPER) such as products availability, brand availability, transaction process, stores data properly, user friendly interface etc.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Introduction

This chapter covered the whole requirements analysis. It's the most important because of it shows how the requirements are interacted with the system. It focuses on the business processes that are taking place and how these requirements can be fulfilled more efficiently to accomplish the project.

3.2 Business Process Modeling

Customers need to buy many things. But it is quite difficult to manage time for going shops and buy things. So an online e-commerce system can be a solution for them. There they can browse through products and order any product from their home. There will be an administrator to manage and administrate the whole website. [4]

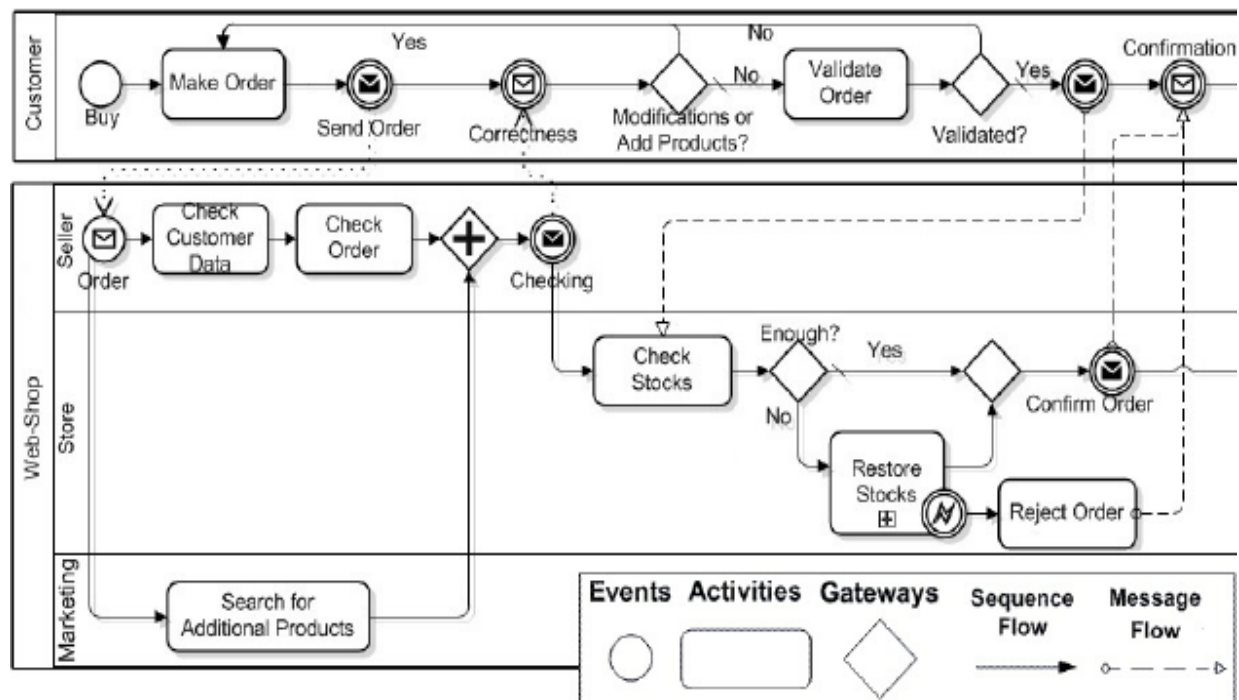


Figure 3.1: Business Process Modeling

3.3 Requirement Collection and Analysis

❖ Functional Requirements [5]

- The online shopping-cart application shall have two types of authentication: User authentication and Admin authentication.
- The online shopping-cart application shall be accessible to all the users to browse all the categories and the items.
- The users shall be able to view the items they added to the shopping cart.
- The Admin shall be able to upload new/revised items as well as to add/modify the categories.
- The Admin shall be able to view all the users registered in the system.
- The Admin shall be able to view all the information about users who placed an order from the shopping cart.
- The users shall not be able to check out with an empty cart.
- The users shall not be able to place an order without providing valid information for all rows in the order form.
- The users shall not be able to place an order if any of the columns in the order form are left empty.

❖ Data Requirements

As business analysts, I am experts at getting to the root of the problem or the opportunity at hand, and I have many techniques to do so. The techniques that I use are dependent on a variety of factors, including the business environment, the preferences of the stakeholders, the availability of the subject-matter experts, accessibility of systems and related documentation, and so on. When I develop home selling project, I often model the current "as-is" and the target "to-be" business processes. Use cases, data flow diagrams, functional decompositions, sequence diagrams, and state diagrams are just a few of the techniques available. When it comes to modeling business processes, I have a full arsenal of techniques in my toolkit, yet the notion of documenting information is often put aside. [6]

❖ Performance Requirements

The only way in which systems will meet their performance targets is for them to be specified clearly and unambiguously. It is a simple fact that if performance is not a stated criterion of the system requirements then the system designers will generally not consider performance issues. In order to assess the performance of a system the following must be clearly specified: Response Time Workload, Scalability, and Platform. [7]

- **Speed and Latency Requirements**

In order to maintain an acceptable speed at Maximum number of uploads allowed from a particular customer will be any number of users can access the system at any time. Also connections to the servers will be based on the criteria of attributes of the user like his location, and server will be working whole 24X 7 times.in this system, customer easily find out information with in second.

- **Precision or Accuracy Requirements**

Requirements about the accuracy and precision of the data.in my system, I provide the accurate data or information about the property.

- **Capacity Requirements**

Capacity requirements planning is the process of determining the production capacity needed by an organization to meet changing demands for its products. In the context of capacity planning, design capacity is the maximum amount of work that an organization is capable of completing in a given period. Effective capacity is the maximum amount of work that an organization is capable of completing in a given period due to constraints such as quality problems, delays, material handling, etc. In homeland agency management system, agency always concern on customer demands, overall environment, circumstances etc. This service will try to give more useful and important information that helps to the clients.

❖ **Maintainability and Supportability Requirements**

- **Maintainability**

The ease with which a software system or component can be modified to correct faults, improve performance, or other attributes, or adapt to a changed environment. [8]

- **Supportability**

How effectively a software system or component can be kept running after deployment, based on resources that include quality documentation, diagnostic information, and both knowledgeable and available technical staff.

- **Adaptability Requirements**

The ability to change the system to deal with additional application domain concepts.

- **Scalability or Extensibility Requirements**

BD-E-SHOPPER system will be provided as a cloud based service to its clients. In order to be able to address all possible clients the system has to be able to perform at conditions that go beyond the scenarios. Therefore minimum capacity requirements have to be defined. This is of course only possible if the privacy and data protection requirements of the various clients are met.

❖ **Security Requirements [9]**

- **Access Requirements**

Access requirement provides information that a user give their personal information such as name, email, address, postcode, telephone number etc.to become register a client or user must give these information.

- **Integrity Requirements**

Integrity Requirements Connector is an independent requirements data synchronization solution that enables the exchange of requirements across different tools and tool versions. It also improves concurrent product development costs by reducing the number of expensive late changes incurred by out of date requirements. By using Integrity Requirements Connector, companies are able to reduce their total cost of ownership for requirements management tools, while increasing their return on investment (ROI) through fast "time-to-value". In my system,

I validate data that gives by user. And also recognize that the client and landlord are legally intercepted with each other.

- **Privacy Requirements**

In homeland management system, the all information keeps private. When a client gives their personal information, admin approve that validation. The given data are keeps in private by admin.

❖ **Usability and Human-Interaction Requirements**

- **Ease of Use Requirements**

Especially BD-E-SHOPPER system is very helpful system for the peoples. Users can easily find their product and Buy different type of product and their search find product just by some clicks through their device. First of all, admin create a database and store Buying and selling information like clothes, electronics, etc. for User/ peoples. Then connect Product's information with the database. After that, they release that information among product. So that User/ People can get any type of Product related information from the system. User/ People can select their product category title and then just searching their region code number they are able to see their. The user interface's typo size can be increased without rendering the application to be useless In order to get a consistent look & feel and to support learnability the system must provide a consistent and well-known workflow pattern.

- **Personalization and Internationalization Requirements**

This section describes the way in which the product can be altered or configured to take into account the user's personal preferences or choice of language. In order to achieve a high level of acceptance the user interface must be available in all languages used by my partner cities for administration and in the major Bangla languages.

- **Accessibility Requirements**

No requirements were identified. As this is a research project I take the liberty to omit accessibility requirements and postpone them to the industry for exploitation.

❖ **Operational and Environmental Requirements**

- Expected Physical Environment
- Requirements for Interfacing with Adjacent Systems
- Production Requirements

3.4 Use Case Modeling and Description

Use case diagrams are able to identify a set of actions that some system or systems should perform in collaboration with external user of the system. The most common parts of use case are actor, association, system boundary and packages. Use Cases are typically related to 'actors'. In my Project there are two actors. They are Admin and User.

❖ Use Case Diagram for Admin

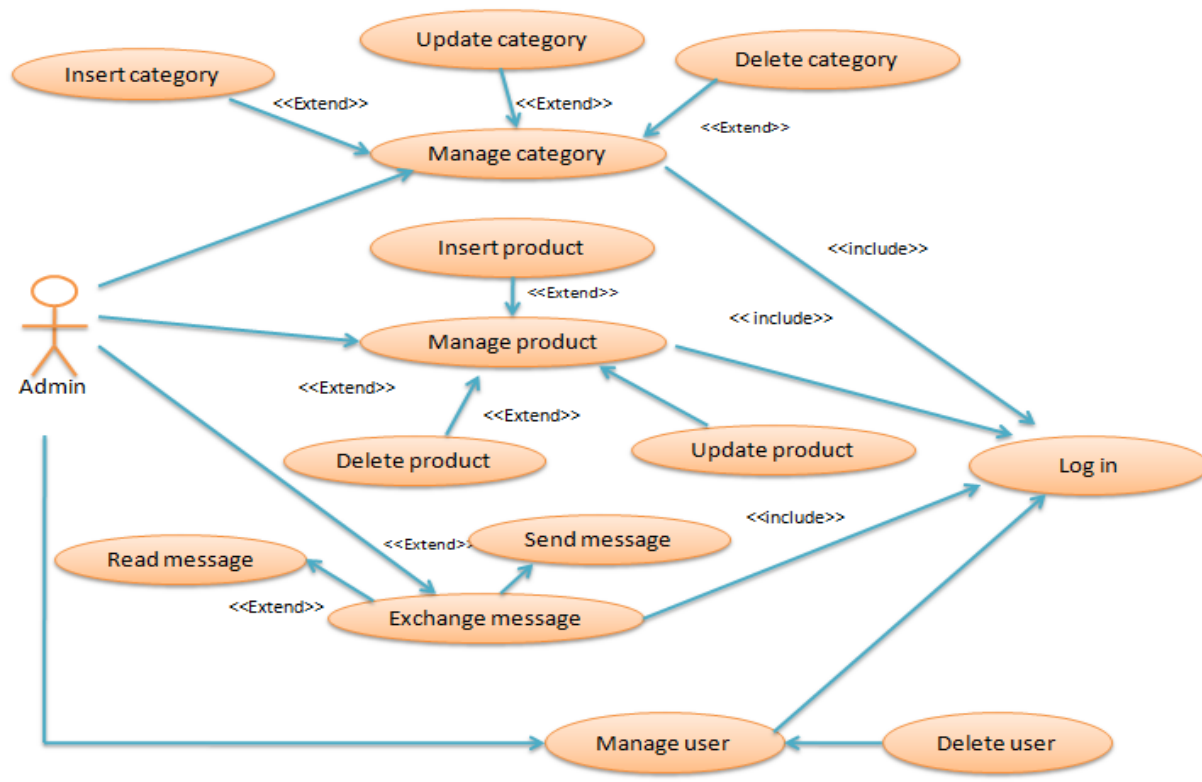


Figure 3.2: Admin Use Case Diagram

In this use case diagram I describe about one actor which is Admin. Admin can do several works. Those works are add Product, delete Product, edit Product, add Category, delete Category, edit Category, Update Rules, Control User. But for fulfill those task Admin have to complete more subtask. Such as in Product Admin can do add Product, delete Product and edit Product. In Category Admin can do add category, Delete Category and edit Category, in Control User admin can do delete user. But for complete this task admin must have to login, without login admin can't complete any task.

❖ **Table Description of Use Case Diagram for Admin**

Table 3.1: Description of Use Case Diagram for Admin

Title	Description
Name	Website Administrator
Brief Description	Website Administrator will access the web apps and complete their actions.
Actor	Website Administrator
Pre-Conditions	• Access Internet • Browser e-commerce shop maker's home Page • Create own shop
Exception Flows	• Internet Connection Failed • Shop name is not available
Post Condition	• Manager Products • Manage manufacturer • Manage category • View pie chart of products
Exception Flows	• Registration • Duplicate Registration • Login Failed • Password or Username not matched. • Connection loss during insert product information • Connection loss during manage category • Invalid date format during pie chart view
Flow of event	Website Administrator will access internet first then log in admin page and perform their action like manage product, confirm order etc.

❖ Use Case Diagram for User

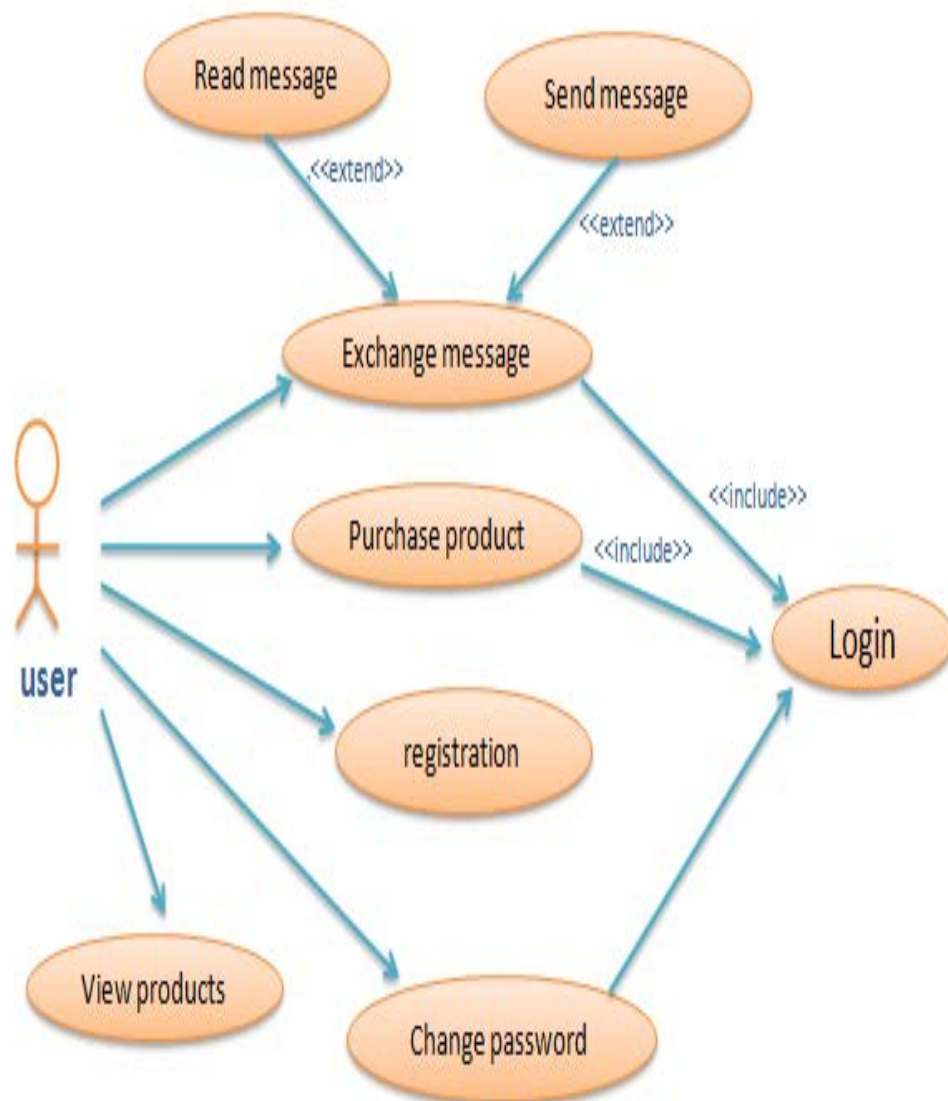


Figure 3.3: User Use Case Diagram

In this use case diagram, I describe about another actor which is User. His works are View Product, Purchase Product, Registration, Change Password, Recover Forget Password, and Exchange Message. In Exchange message User, can do Send Message, Delete Message and Receive message, in Purchase product user have to login into his own account and then go to pay option for buying products. The interesting matter is that some task user can complete without login such as View product, Add Product in to his cart but can't buy those products from cart.

❖ **Table Description of Use Case Diagram for User**

Table 3.2: Description of Use Case Diagram for User

Title	Description
Name	Customer
Brief Description	Customer will access the web apps and complete their actions.
Actor	Customer
Pre-Conditions	• Access Internet • Browser e-commerce shop maker's home Page • Registration • Login
Exception Flows	• Internet Connection Failed • Duplicate Registration • Login Failed • Password or Username not matched
Post Condition	• Browse products • Add products to shopping cart • Update shopping cart • Order with shipping info • Select payment
Exception Flows	• Choose wrong product category • Cart limit cross • Wrong shipping information • Payment method not accepted
Flow of event	Customer will access internet first then go to home page and perform their action like browsing product, order products, select payment method etc.

3.5 Logical Data Model

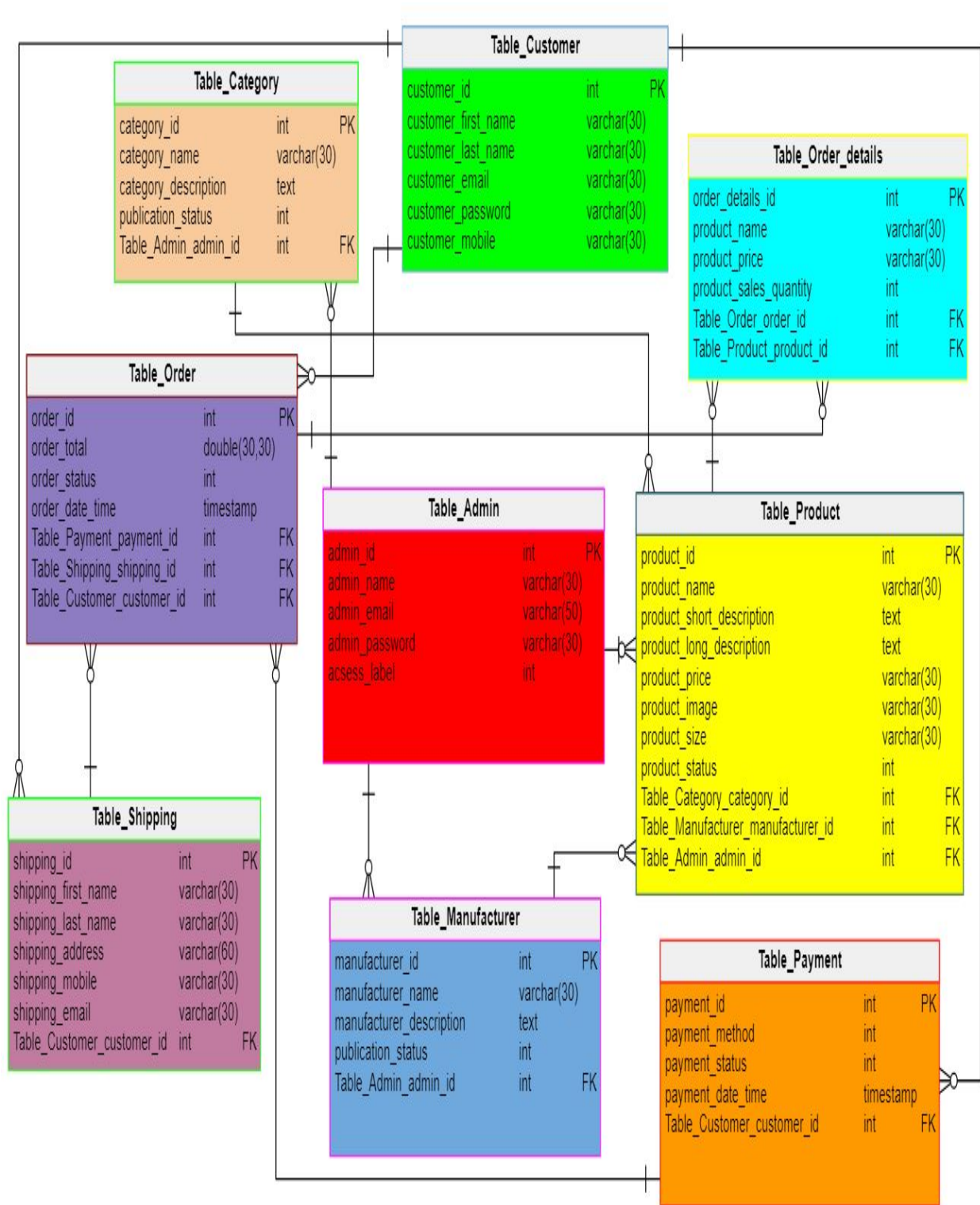


Figure 3.4: Logical Data Model

3.6 ER Diagram

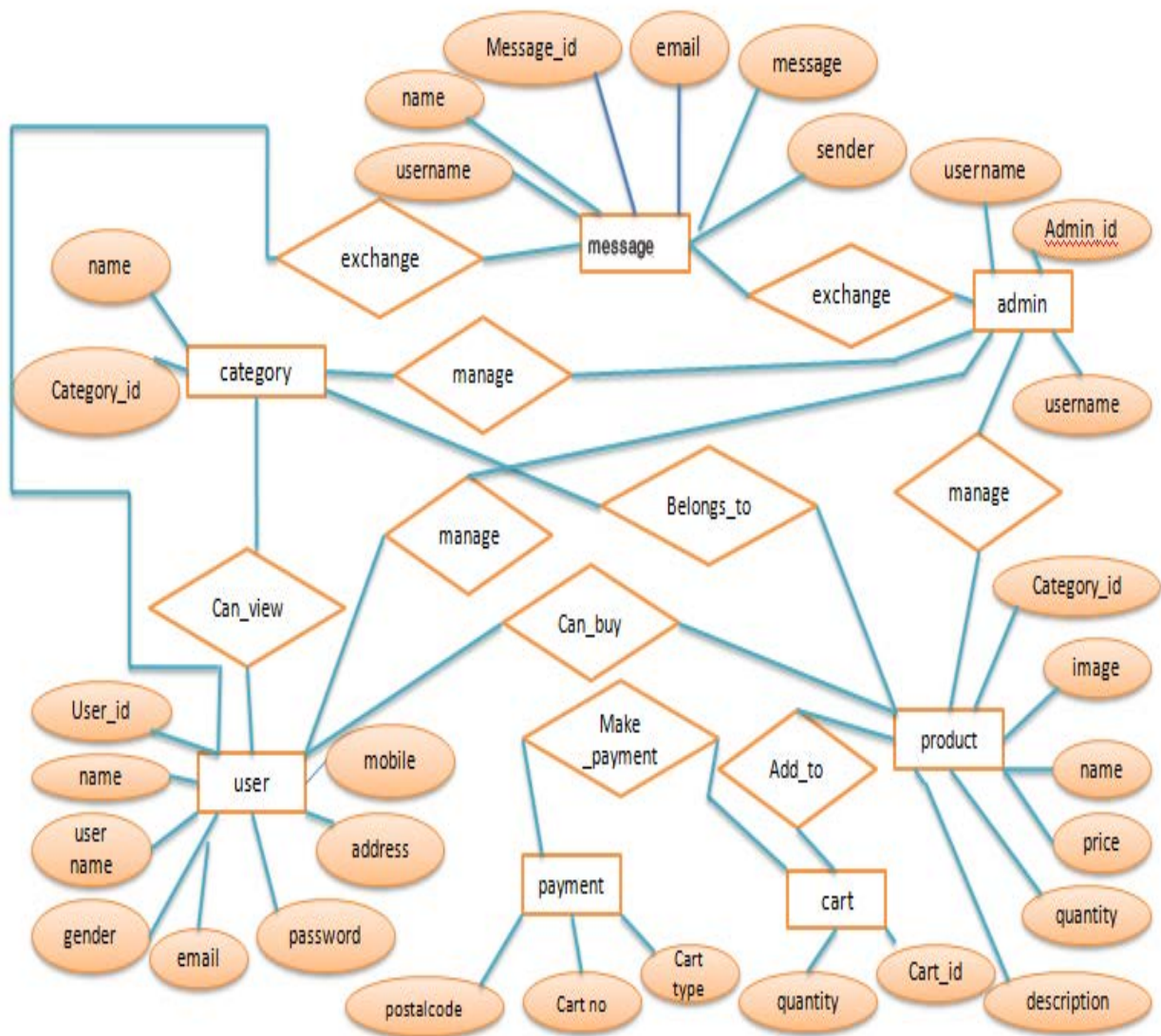


Figure 3.5: ER Diagram

3.7 Design Requirements

Designing an e-commerce website can divide in two parts. Like frontend and backend. Frontend option is for customer or user and backend option is for admin. Backend option should not visible for general user. [10] Only admin will be able to see it. Some major design requirements are given below:

❖ **User Panel**

- Interactive home page
- Product details
- Add cart
- User registration
- Shipping information form
- Checkout option
- View order details
- Payment option
- Online payment system
- Invoice option
- Cancel payment option
- Login and logout option
- Message admin

❖ **Admin Panel**

- Manage order
- Manage customer
- Admin login and logout option
- Payment confirm
- Product publication and add new product option
- Edit and add new slider
- Add and edit category and manufacturer option
- Message customer

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

Front-end is the page what the user will see and do their action. It is the most precious part for developing an e-commerce site.

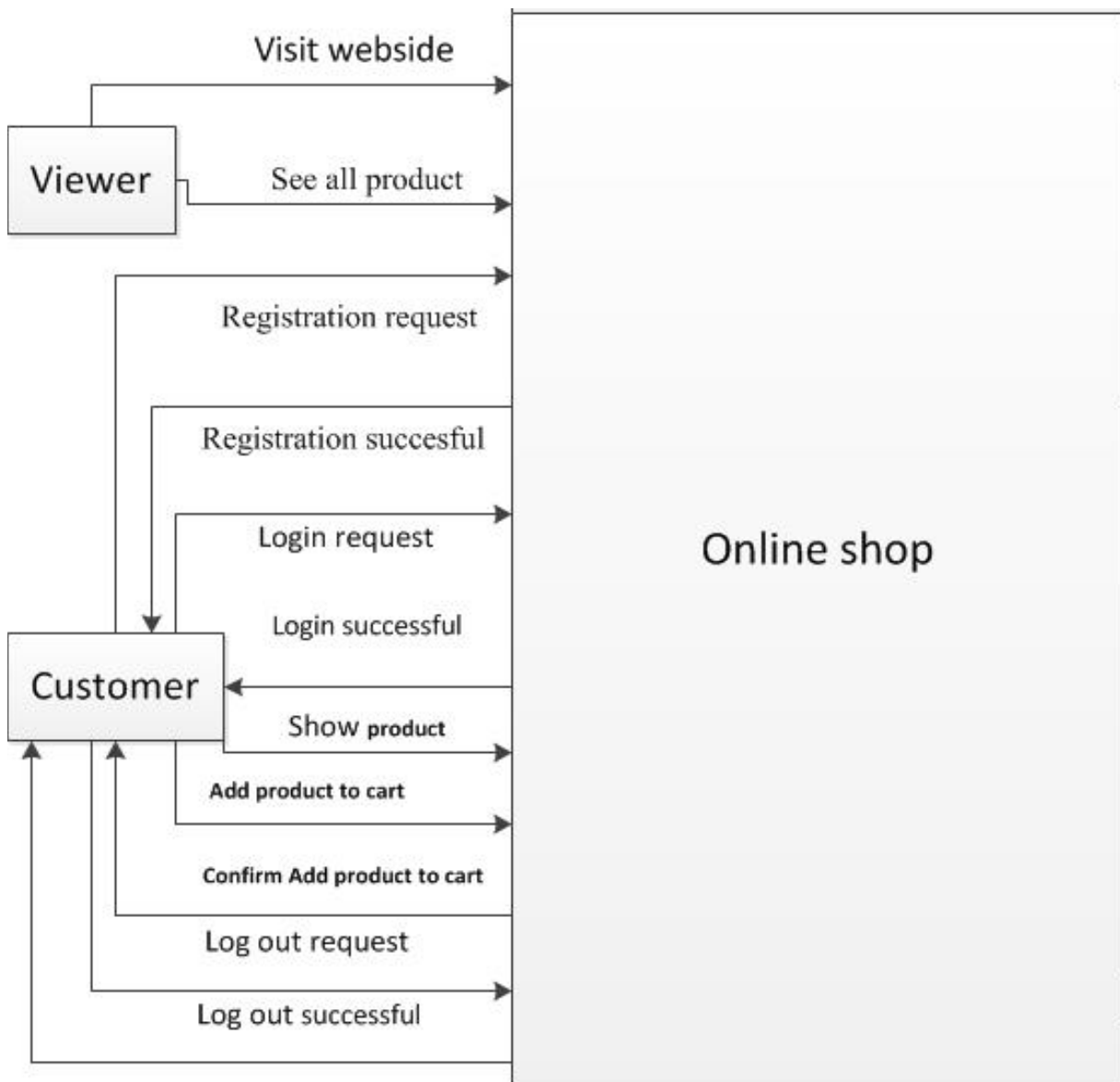


Figure 4.1: Front-end Design

4.2 Back-end Design

Back-end is the page for admin level who will control the shop through this page. It is the most vital part for admin. Because it will help the admin to control the shopping by the way he wants.

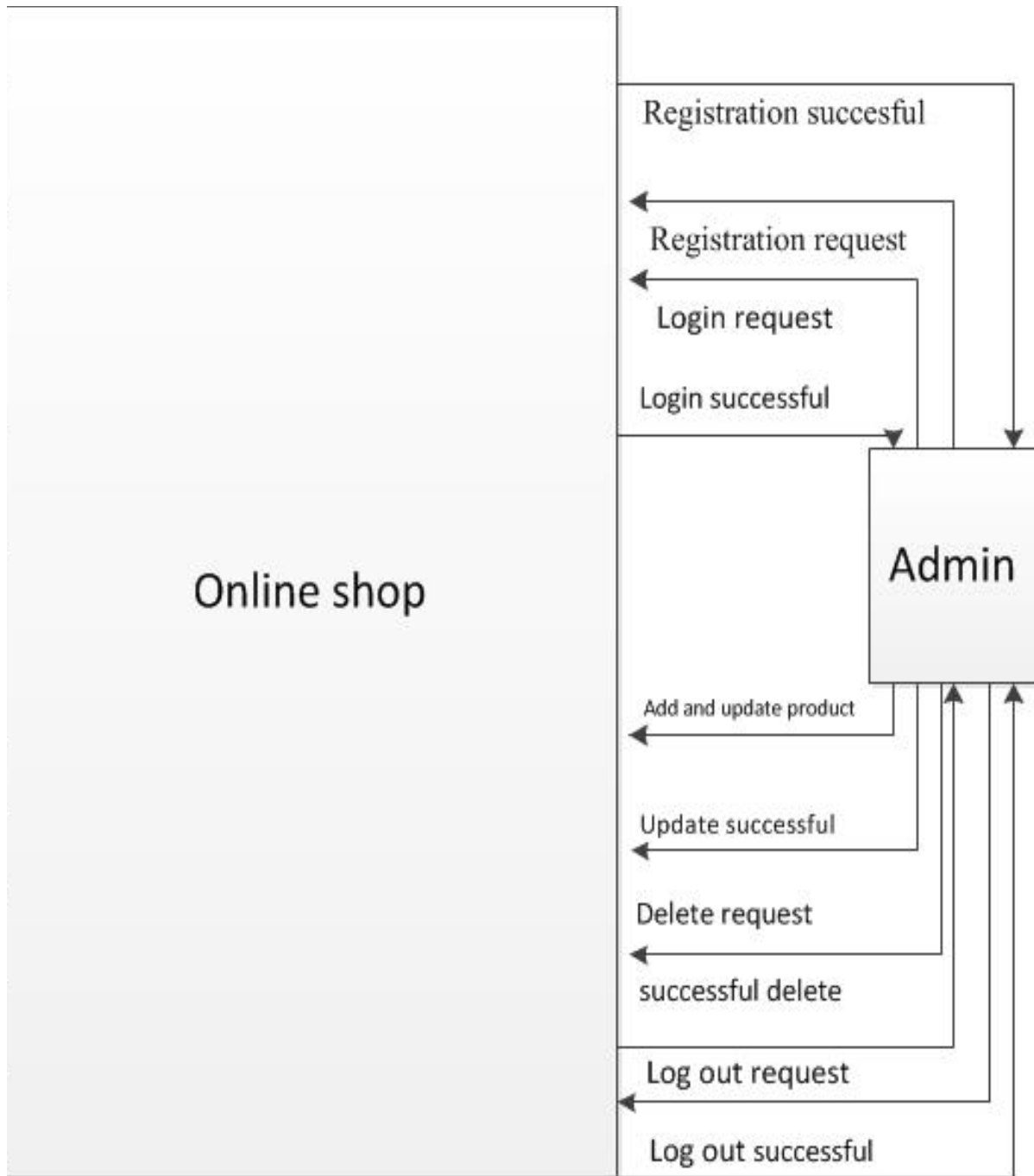


Figure 4.2: Back-end Design

4.3 Interaction Design

Interaction design essential for any project, what is specially a perfect rule between a system and user. This is incorporated design what will help user to interact with system easily.

❖ Interaction Design for Customer Part-1

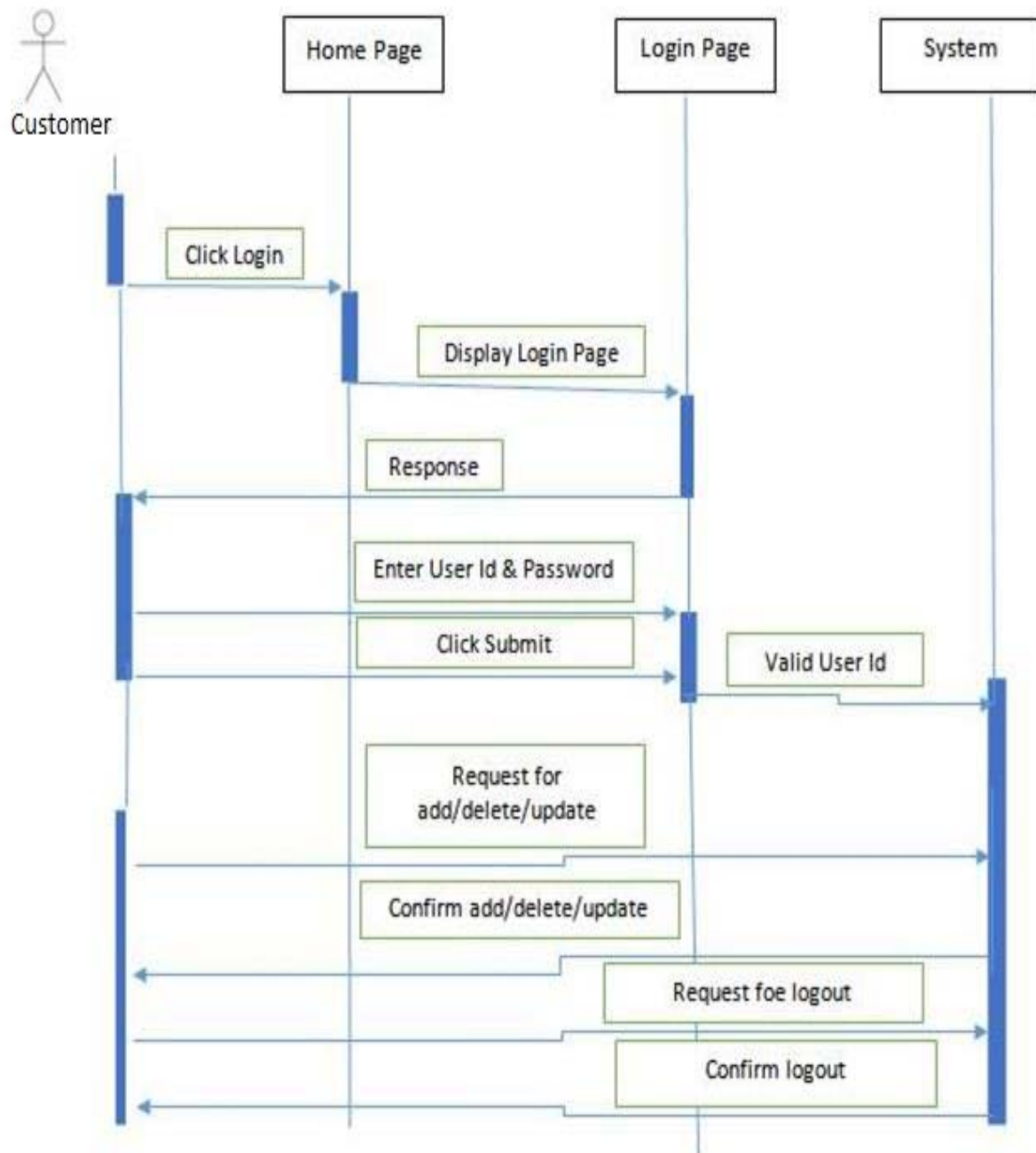


Figure 4.3: Interaction Design for Customer Part-1

❖ Interaction Design for Customer Part-2

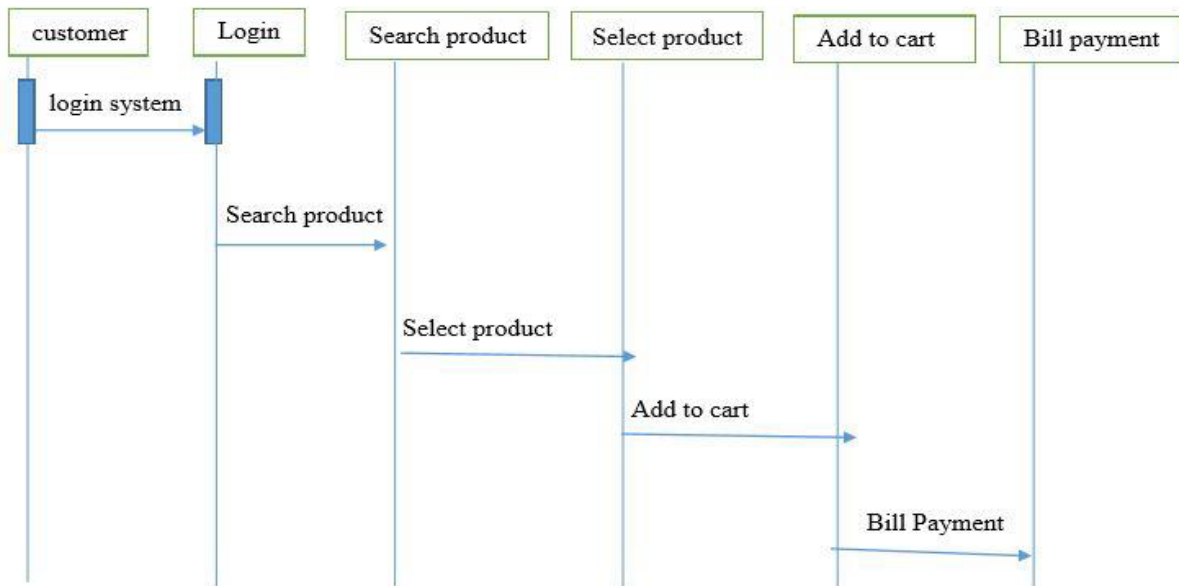


Figure 4.4: Interaction Design for Customer Part-2

❖ Interaction Design for Admin Part

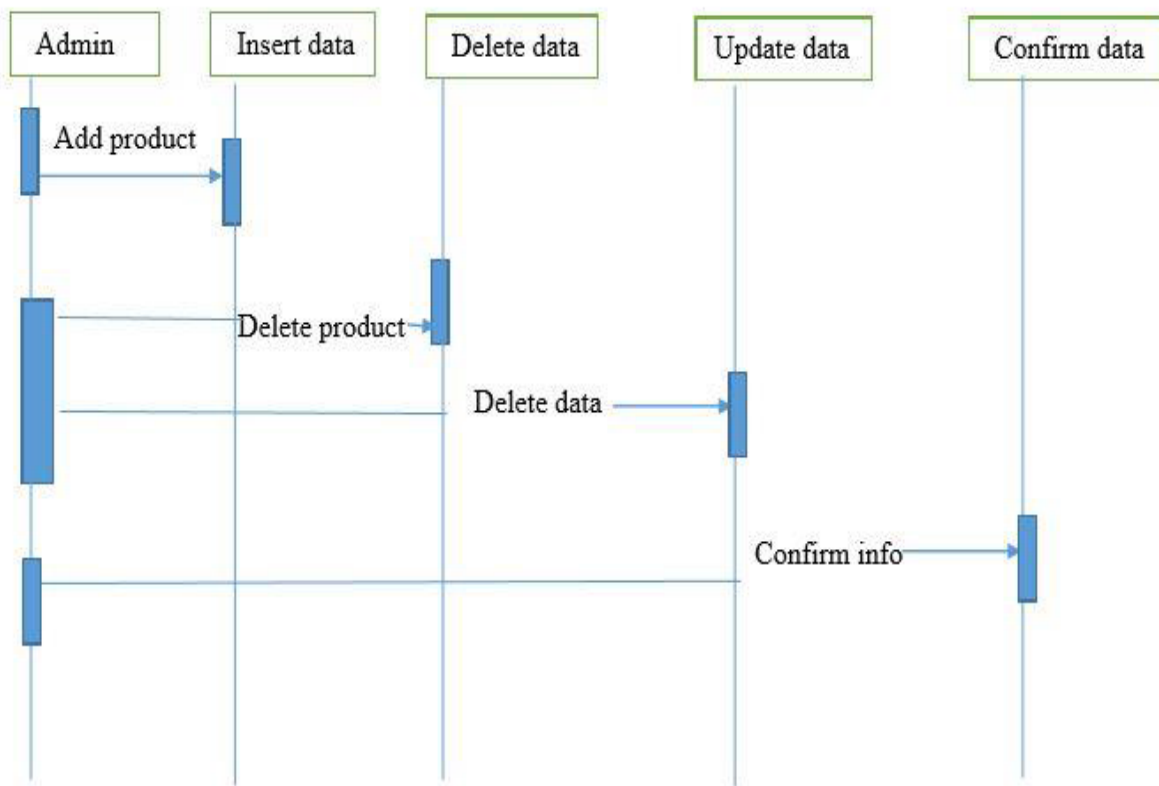


Figure 4.5: Interaction Design for Admin Part

4.4 UX Design

User experience design (UX) is the process of enhancing user satisfaction with a product by improving the usability, accessibility, and pleasure. A user might not know how to handle a device properly. Thinking on this prospect out this site is designed so simply that a user can use it easily

❖ UX Design for Customer Part

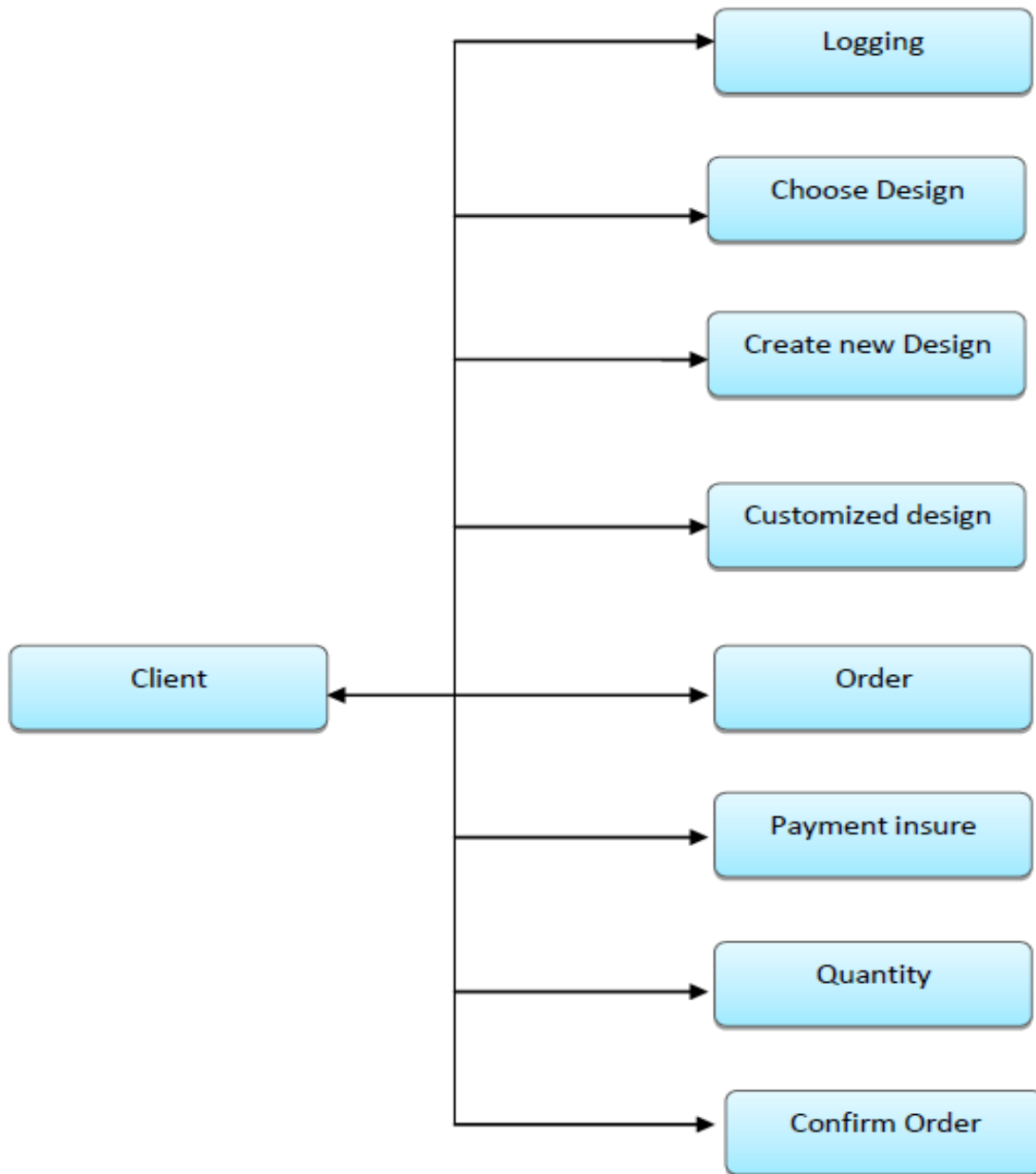


Figure 4.6: UX Design for Customer Part

❖ UX Design for Admin Part

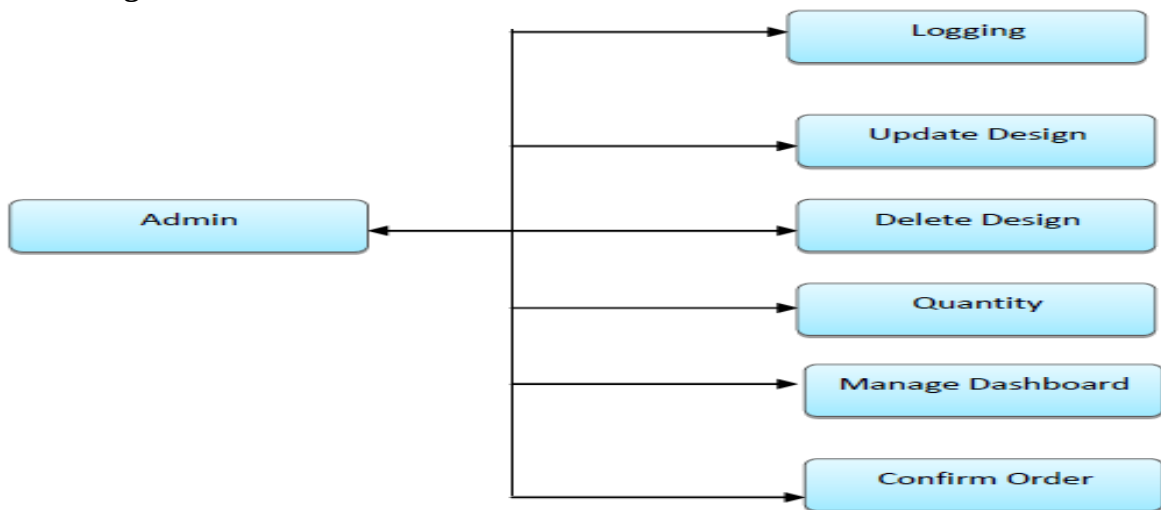


Figure 4.7: UX Design for Admin Part

4.5 Implementation Requirements

For implementing my project I have used several tools. That are given bellow:

❖ Software

- XAMPP version 3.2.2
- Sublime Text

❖ Framework

- PHP Laravel Framework

❖ Languages

- OOP PHP
- JavaScript
- JQuery, JSON

❖ Database

- MySQL version 5.6.26

❖ For Design

- HTML5
- Cascading Style Sheets (CSS & CSS3)
- Bootstrap

CHAPTER 5

IMPLEMENTING AND TESTING

5.1 Implementation of Database

In figure showing the total database design implemented for this project. Databases are tbl_admin, tbl_category, tbl_customer, tbl_manufacture, tbl_order, tbl_order_details, tbl_payment, tbl_products, tbl_shipping, tbl_slider.

Table 5.1: Database Table

Table	Action	Rows	Type	Collation	Size	Overhead
☐ migrations	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_admin	★ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_category	★ Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_customer	★ Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_manufacture	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_order	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_order_details	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_payment	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_products	★ Browse Structure Search Insert Empty Drop	13	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_shipping	★ Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_unicode_ci	16 KiB	-
☐ tbl_slider	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	16 KiB	-
11 tables	Sum	71	InnoDB	latin1_swedish_ci	176 KiB	0 B

☐ Check all
 With selected:

❖ Admin Table

Table 5.2: Admin Table

+ Options							
↩ ↪	▼	admin_id	admin_email	admin_password	admin_name	admin_phone	created_at updated_at
☐ Edit Copy Delete		3	thossainpias@gmail.com	e10adc3949ba59abbe56e057f20f883e	Pias	01622547687	NULL NULL
↩ ☐ Check all	With selected:	☐ Edit	☐ Copy	☐ Delete	☐ Export		
☐ Show all	Number of rows:	25 ▼	Filter rows:	Search this table			

❖ Shipping Table

Table 5.3: Shipping Table

+ Options									
	shipping_id	shipping_email	shipping_first_name	shipping_last_name	shipping_address	shipping_mobile_number	shipping_city	created_at	updated_at
☐ Edit Copy Delete	16	shipping@gmail.com	Learn	Hunter	1456 gandaria dit plot	01961363543	dhaka	NULL	NULL
☐ Edit Copy Delete	18	thossainpias@gmail.com	T.Hossain	Pias	West Shewrapara, Mirpur, Dhaka-1216	01622547687	Dhaka	NULL	NULL

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

❖ Customer Table

Table 5.4: Customer Table

+ Options							
	customer_id	customer_name	customer_email	password	mobile_number	created_at	updated_at
☐ Edit Copy Delete	10	Pias1	thossainpias_1@gmail.com	827ccb0eea8a706c4c34a16891f84e7b	01622547687	2018-04-02 21:08:03	NULL
☐ Edit Copy Delete	11	Pias2	thossainpias_2@gmail.com	827ccb0eea8a706c4c34a16891f84e7b	01961363543	2018-04-02 03:09:42	NULL
☐ Edit Copy Delete	12	Pias3	thossainpias_3@gmail.com	827ccb0eea8a706c4c34a16891f84e7b	01676993722	2018-04-02 03:23:41	NULL
☐ Edit Copy Delete	13	Pias4	thossainpias_4@gmail.com	827ccb0eea8a706c4c34a16891f84e7b	01676993722	2018-04-02 17:33:09	NULL
☐ Edit Copy Delete	14	Pias	thossainpias@gmail.com	827ccb0eea8a706c4c34a16891f84e7b	01622547687	2018-04-02 12:54:52	NULL

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

❖ Order Table

Table 5.5: Order Table

+ Options								
	order_id	customer_id	shipping_id	payment_id	order_total	order_status	created_at	updated_at
☐ Edit Copy Delete	9	10	15	11	73,400.00	pending	2018-03-22 21:08:52	NULL
☐ Edit Copy Delete	10	11	16	12	58,900.00	pending	2018-03-23 03:11:05	NULL
☐ Edit Copy Delete	11	13	17	13	3,700.00	pending	2018-03-23 17:34:13	NULL
☐ Edit Copy Delete	12	14	18	14	968.00	pending	2018-04-02 12:58:34	NULL

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

❖ Payment Table

Table 5.6: Payment Table

+ Options					
	payment_id	payment_method	payment_status	created_at	updated_at
☐ Edit Copy Delete	11	handcash	pending	2018-03-22 21:08:52	NULL
☐ Edit Copy Delete	12	handcash	pending	2018-03-23 03:11:05	NULL
☐ Edit Copy Delete	13	handcash	pending	2018-03-23 17:34:13	NULL
☐ Edit Copy Delete	14	handcash	pending	2018-04-02 12:58:33	NULL

☐ Check all With selected: ☐ Edit ☐ Copy ☐ Delete ☐ Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

❖ Category Table

Table 5.7: Category Table

+ Options							
← T →							
		category_id	category_name	category_description	publication_status	created_at	updated_at
☐	Edit Copy Delete	8	Men	this is men	1	NULL	NULL
☐	Edit Copy Delete	9	Women	this is women	1	NULL	NULL
☐	Edit Copy Delete	10	Child	this is child	1	NULL	NULL
☐	Edit Copy Delete	11	Electronics	This is electronics	1	NULL	NULL
☐	Edit Copy Delete	14	Sports	this is sports	1	NULL	NULL
☐	Edit Copy Delete	15	Laptop	this is laptop	1	NULL	NULL
☐	Edit Copy Delete	16	Cloths	this is cloths	1	NULL	NULL
☐	Edit Copy Delete	17	Furniture	this is furniture	1	NULL	NULL
☐ Check all With selected: Edit Copy Delete Export							
☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None							

❖ Manufacturer Table

Table 5.8: Manufacturer Table

+ Options							
← T →							
		manufacture_id	manufacture_name	manufacture_description	publication_status	created_at	updated_at
☐	Edit Copy Delete	1	Samsung	this is samsung brand	1	NULL	NULL
☐	Edit Copy Delete	3	Otobi	otobi furniture	1	NULL	NULL
☐	Edit Copy Delete	4	Apple	apple	1	NULL	NULL
☐	Edit Copy Delete	5	Adiddas	addidas	1	NULL	NULL
☐	Edit Copy Delete	6	Others	this is others	1	NULL	NULL
☐	Edit Copy Delete	7	Xiaomi	xiaomi	1	NULL	NULL
☐ Check all With selected: Edit Copy Delete Export							
☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None							

❖ Order Details Table

Table 5.9: Order Details Table

+ Options								
← T →								
		order_details_id	order_id	product_id	product_name	product_price	product_sales_quantity	created_at
☐	Edit Copy Delete	18	9	11	Laptop	28000	2	NULL
☐	Edit Copy Delete	19	9	13	Tablet	15000	1	NULL
☐	Edit Copy Delete	20	9	4	Shirt	800	3	NULL
☐	Edit Copy Delete	21	10	13	Tablet	15000	2	NULL
☐	Edit Copy Delete	22	10	10	Bed	28000	1	NULL
☐	Edit Copy Delete	23	10	6	Long Scurt	900	1	NULL
☐	Edit Copy Delete	24	11	5	Womens Long Shirt	450	2	NULL
☐	Edit Copy Delete	25	11	8	Shirt	700	2	NULL
☐	Edit Copy Delete	26	11	15	child dress	1400	1	NULL
☐	Edit Copy Delete	27	12	4	Shirt	800	1	NULL
☐ Check all With selected: Edit Copy Delete Export								
☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None								

❖ Slider Table

Table 5.10: Slider Table

+ Options						
← T →						
		slider_id	slider_image	publication_status	created_at	updated_at
☐	Edit Copy Delete	1	slider/vcssPCXaR9O0abx7kzfm.jpg	0	NULL	NULL
☐	Edit Copy Delete	2	slider/5vbdukRnZ3WdsUPzyq4Y.jpg	1	NULL	NULL
☐	Edit Copy Delete	3	slider/fdMfzQ7qQLTAslpxWY9l.png	1	NULL	NULL
☐	Edit Copy Delete	4	slider/VS6qwyY9rfZhGpPiQ09a.jpg	1	NULL	NULL
☐	Edit Copy Delete	5	slider/DBg7qPBuXj8abvB1TmyW.jpg	1	NULL	NULL
☐	Edit Copy Delete	6	slider/lcDr2cLoccxPGG4I7CW0.jpg	1	NULL	NULL
☐ Check all With selected: Edit Copy Delete Export						
☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None						

❖ Products Table

Table 5.11: Products Table

Options

	product_id	product_name	category_id	manufacture_id	product_short_description	product_long_description	product_price	product_image	product_size	product_color	publication_status	created_at	upd
☐	3	Baby frok	10	6	this is thessdsdsd	sdsdsdsdsdsdsad	600.00	image/VUICHnEirSUOKjHd5mPc.jpeg	M,L	Red,White,Black	1	NULL	NU
☐	4	Shirt	8	2	sdsdsdsdsds	sdsdsdsdsda	800.00	image/8rcRd9JT8o1t56YgnAW.jpg	M,L,XL	blue,white	1	NULL	NU
☐	5	Womens Long Shirt	9	2	sdsadasdsadsad	sdsdsdsadsadsd	450.00	image/HDT4zuVn0vqZqwB8nGnT.jpg	xxl,xl	purple,pink	1	NULL	NU
☐	6	Long Scurt	9	2	sdsdsdsad	sdsdsdsdsds	900.00	image/Wr47bne7Ls6BHS4O0pn.jpg	xxl,xl,l	purple,blue,pink,maroon	1	NULL	NU
☐	7	full long shirt	9	5	ssssssssssssssss	ssssssssssssssss	1200.00	image/5xof9ExsV8VzL4R6Rui.jpg	L,XL,XXL	black,silver	1	NULL	NU
☐	8	Shirt	8	2	sadddddddddddddddd	sadddddddddddddddddddd	700.00	image/V5Wk4cPMwLVEK59T5H.jpg	M,XL	maroon,blue,black	1	NULL	NU
☐	9	Child dress	10	6	sdsadddddddddd	sadddddddddddddd	1600.00	image/8V8Me4uqCjBjVai7PF9P.jpg	xl,l	blue,black,red	1	NULL	NU
☐	10	Bed	17	3	sadddddddddd	sdaaaaaaaaaaaaaa	28000.00	image/wgPl6dIapmiThApSczrM.png	7" * 4"	wood,maroon	1	NULL	NU
☐	11	Laptop	11	1	sdaaaaaaaaaaaaa	sadddddddddddddd	28000.00	image/NUXQ4WJike39hY1cV.jpeg	16 inc display	silver,black	1	NULL	NU
☐	13	Tablet	11	1	ssssssssssss	ssssssssssssssss	15000.00	image/V0y9OM1IHBNFhtXlaj.jpg	8 inc	black	1	NULL	NU
☐	14	Plastic outdoor	12	6	ssssssssssssssss	ssssssssssssssss	5000.00	image/USOUjUxouJKd2wIV16.jpg	unknown	orange	1	NULL	NU
☐	15	child dress	10	2	ssssssssssssssssssss	ddddddddddddddddddd	1400.00	image/hFgminT9LSu0z6Tv3zT.jpg	M,L	orange,maroon	1	NULL	NU
☐	20	Table	17	3	sdaaaaaaaaaaaaaa	sdaaaaaaaaaaaaaa	12000.00	image/n3FvCFS0HUEb38oo.jpg	long	maroon,wood	1	NULL	NU

☐ Check all With selected: Edit Copy Delete Export

☐ Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

5.2 Implementation of Front-end Design

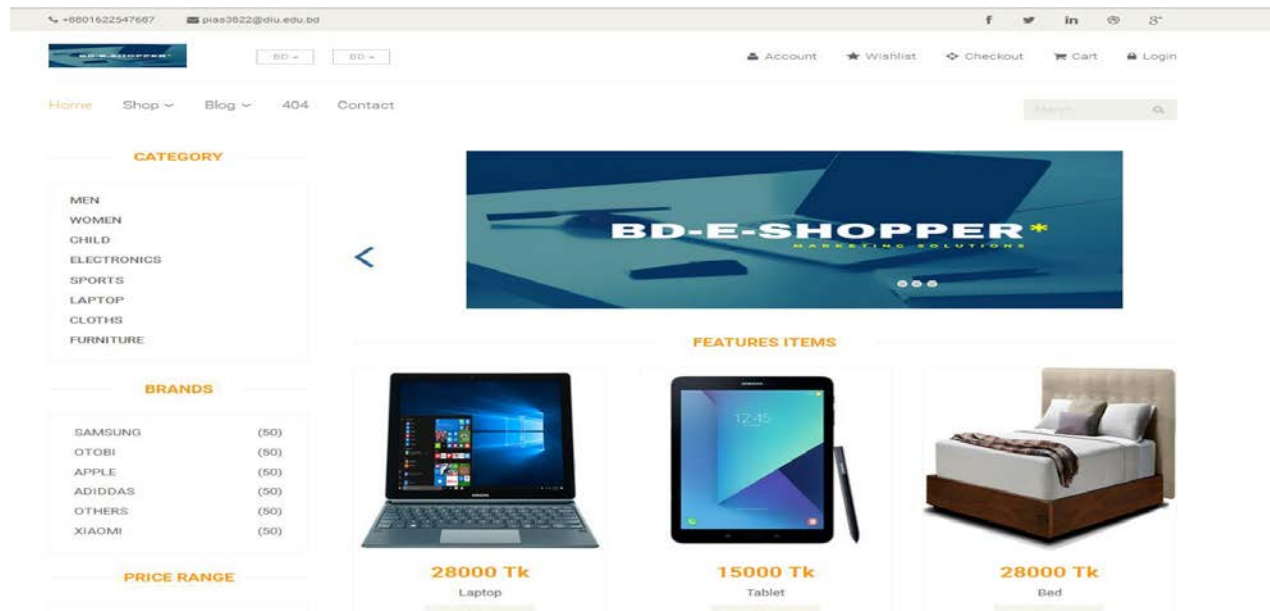


Figure 5.1: Implementation of Front-end Design

After implementation this is the figure of the home page of my website. From this page any user can choose his path where he wants to go.

5.3 Implementation of Back-end Design



Figure 5.2: Implementation of Back-end Design

This is the implemented look of my admin page. From here admin will control his shop.

5.4 Implementation of Interactions

❖ View Product

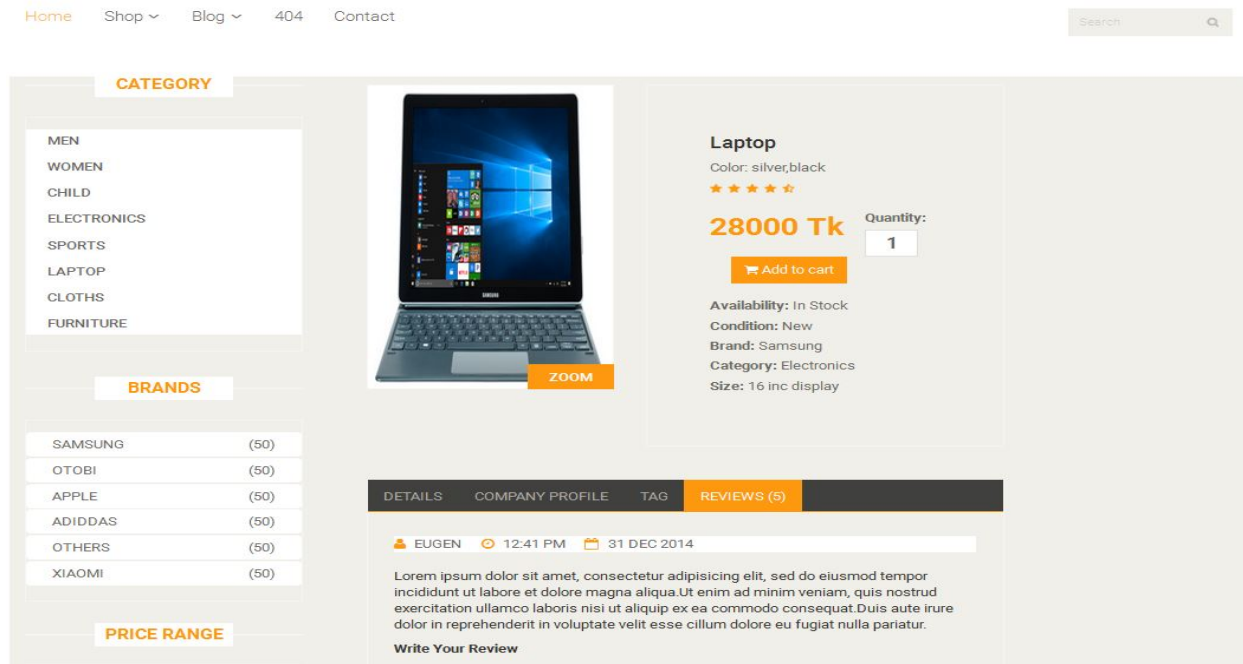


Figure 5.3: View Product

This is the demo page of view product option. When user will select this option it will show that individual product details.

❖ Footer

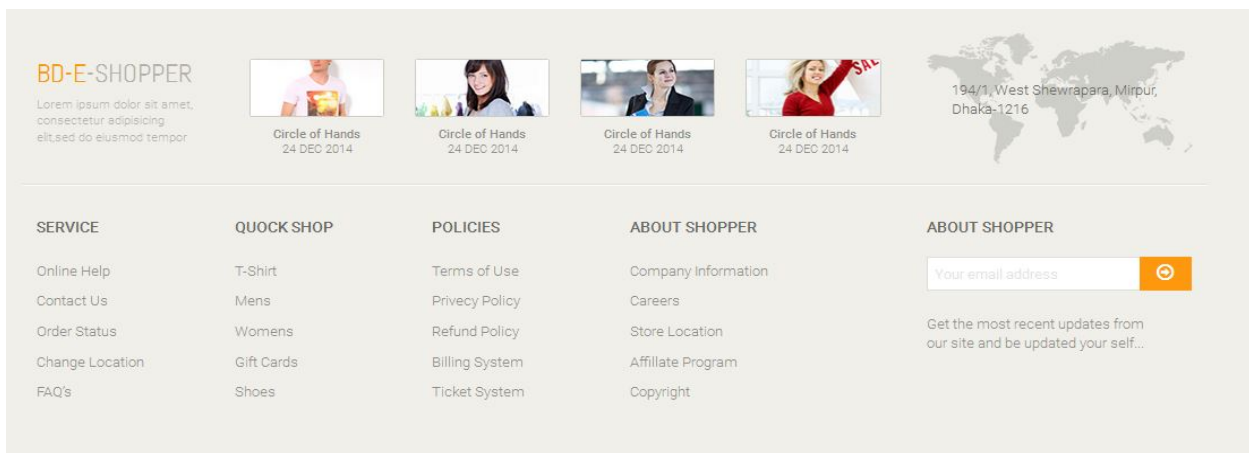


Figure 5.4: Footer

This is the design of footer part. In this part I put shop details, location and some other option.

❖ Add Cart

The screenshot shows a web page titled 'Home Shopping Cart'. On the left, there are two sidebars: 'CATEGORY' with links to MEN, WOMEN, CHILD, ELECTRONICS, SPORTS, LAPTOP, CLOTHS, and FURNITURE; and 'BRANDS' with a list of brands (SAMSUNG, OTOBI, APPLE, ADIDDAS, OTHERS, XIAOMI) each with a count of (50). Below these is a 'PRICE RANGE' section. The main content area displays a shopping cart table with the following data:

Image	Name	Price	Quantity	Total	Action
	Laptop	28000	1 update	33880	x

Below the cart table is a summary section with the following table:

Cart Sub Total	28,000.00
Eco Tax	5,880.00
Shipping Cost	Free
Total	33,880.00

At the bottom of the summary section are two buttons: 'Update' and 'Check Out'.

Figure 5.5: Add Cart

This is how it look likes when user will select add cart option. It will show the ultimate costing.

❖ User Registration and Login

The screenshot shows a web page with two main sections: 'Login to your account' and 'New User Signup!'. The 'Login to your account' section has input fields for 'Email' and 'Passwords', and a 'Login' button. The 'New User Signup!' section has input fields for 'Full Name', 'Email Address', 'Password', and 'Mobile Number', and a 'Signup' button. There is an 'OR' button between the two sections. On the left side of the page, there are two sidebars: 'CATEGORY' with links to MEN, WOMEN, CHILD, ELECTRONICS, SPORTS, LAPTOP, CLOTHS, and FURNITURE; and 'BRANDS' with a list of brands (SAMSUNG, OTOBI, APPLE, ADIDDAS, OTHERS, XIAOMI) each with a count of (50).

Figure 5.6: User Registration and Login

This is the figure of the User registration and login page of my website. From this page any user can register and login.

❖ Shipping Details

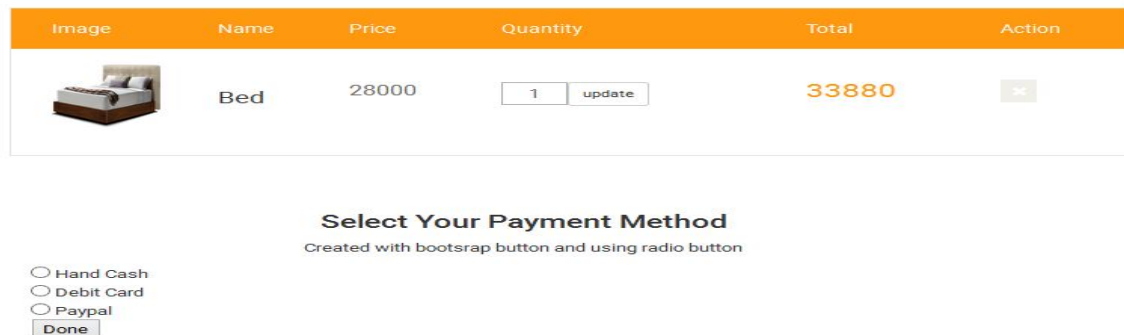


The image shows a web form for shipping details. On the left, there are two lists: 'CATEGORY' with options like MEN, WOMEN, CHILD, ELECTRONICS, SPORTS, LAPTOP, CLOTHES, and FURNITURE; and 'BRANDS' with options like SAMSUNG, OTORI, APPLE, ADIDAS, OTHERS, and XIOMI, each with a count in parentheses. The main form area is titled 'Please fillup this form' and contains a 'Shipping Details' section with input fields for Email, First Name, Last Name, Address, Mobile Number, and City. A 'Done' button is at the bottom right of the form.

Figure 5.7: Shipping Details

In this page user will provide the product delivery address where user want to get his product.

❖ Payment

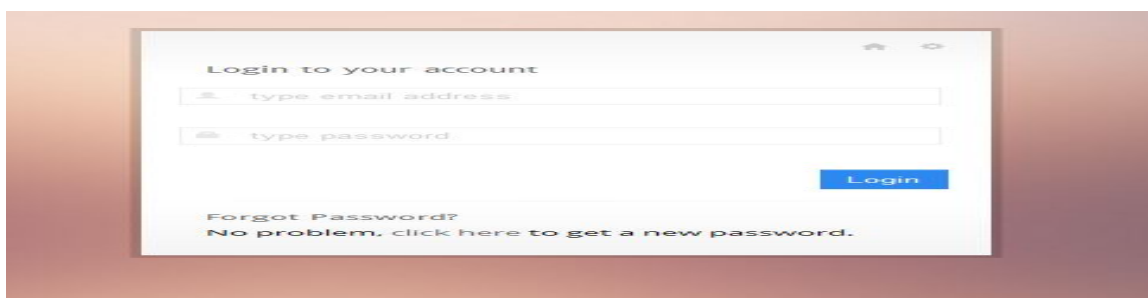


The image shows a payment form. At the top, there is a table with columns: Image, Name, Price, Quantity, Total, and Action. The table contains one row for a 'Bed' with a price of 28000, a quantity of 1, and a total of 33880. Below the table, there is a section titled 'Select Your Payment Method' with three radio buttons: 'Hand Cash', 'Debit Card', and 'Paypal'. A 'Done' button is at the bottom left of this section.

Figure 5.8: Payment

This the payment option page which will come after checkout. In this project there is three option for payment. Those are hand cash, Credit/Debit card, or PayPal.

❖ Admin Login



The image shows an admin login form. It has a title 'Login to your account' and two input fields: 'type email address' and 'type password'. A 'Login' button is at the bottom right. Below the button, there is a link 'Forgot Password?' and a text 'No problem, click here to get a new password.'

Figure 5.9: Admin Login

This page is for admin login. By here admin will be able to control his shopping website.

❖ All Manufacturer

Manufacture ID	Manufacture Name	Manufacture Description	Status	Actions
3	Otobi	otobi furniture	Active	Edit Delete Add
4	Apple	apple	Active	Edit Delete Add
5	Addidas	addidas	Active	Edit Delete Add
6	Others	this is others	Active	Edit Delete Add
7	Xiaomi	xiaomi	Active	Edit Delete Add
1	Samsung	this is samsung brand	Active	Edit Delete Add

Figure 5.12: All Manufacturer

By this option admin will be able to see all manufacturer's product.

❖ Add Manufacturer

Figure 5.13: Add Manufacturer

Through this option admin will be able to add new manufacturer's option to the home page.

❖ Manage Order

Order ID	Customer Name	Order Total	Status	Actions
10	Pias2	58,900.00	pending	Edit Delete Add
11	Pias4	3,700.00	pending	Edit Delete Add
12	Pias	968.00	pending	Edit Delete Add
9	Pias1	73,400.00	pending	Edit Delete Add

Figure 5.14: Manage Order

By this section admin will manage customer order and delivery the order.

❖ Add Product

Product Name

Product category

Manufacture Name

Product short description

Product Long description

Product Price

Image

Product Size

Product Color

Publication status

Add Product Cancel

Figure 5.15: Add Product

By add products admin will add new product to his shopping website.

❖ All Products

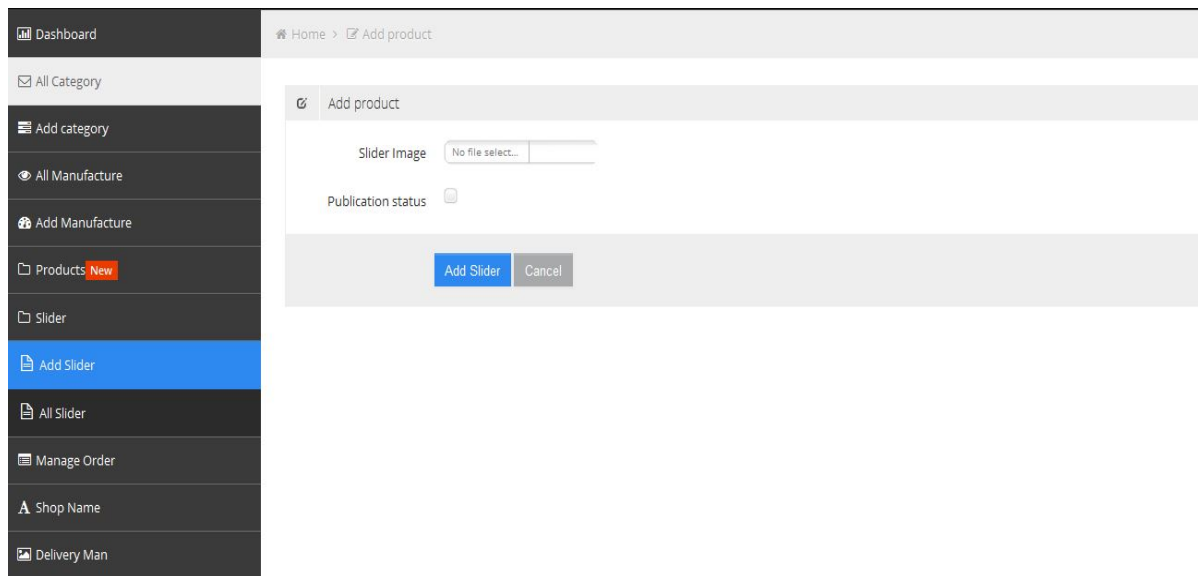
Product ID	Product Name	Product Image	Product price	category Name	manufacture Name	Status	Actions
13	Tablet		15000 Tk	Electronics	Samsung	Active	
10	Bed		28000 Tk	Furniture	Otobi	Active	
20	Table		12000 Tk	Furniture	Otobi	Active	
7	full long shirt		1200 Tk	Women	Adiddas	Active	
3	Baby frok		600 Tk	Child	Others	Active	
9	Child dress		1600 Tk	Child	Others	Active	
11	Laptop		28000 Tk	Electronics	Samsung	Active	

Showing 1 to 1 of 1 entries

Figure 5.16: All Products

By this option admin will be able to view all his products. Through this admin will edit the product info. If any product need to delete that can also be done by this option.

❖ Add Slider



Dashboard

Home > Add product

Add product

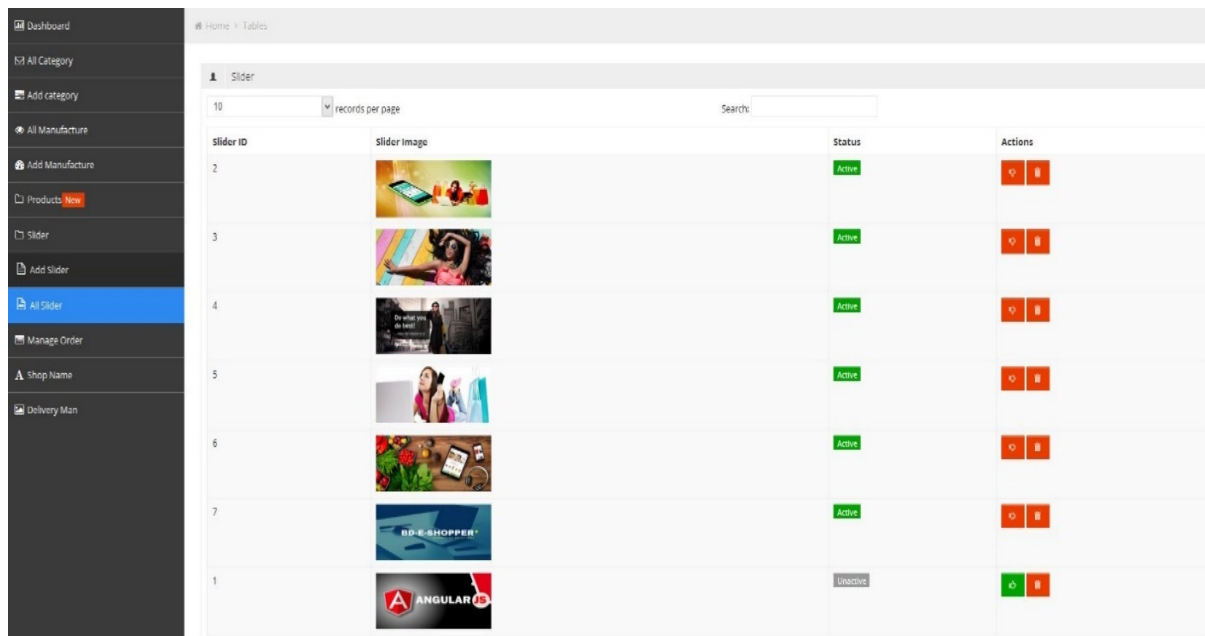
Slider Image

Publication status ☐

Figure 5.17: Add Slider

By this option admin will add his desire slider for home page.

❖ All Slider



Slider ID	Slider Image	Status	Actions
2		Active	Edit Delete
3		Active	Edit Delete
4		Active	Edit Delete
5		Active	Edit Delete
6		Active	Edit Delete
7		Active	Edit Delete
1		Inactive	Edit Delete

Figure 5.18: All Slider

Through this option admin will be able to see all his active slider and will be able to delete or inactive any slider he wants.

5.5 Testing Implementation

Table 5.12: Testing Implementation

Functional Requirement No.	Functional Requirement Title	Functional Requirement Short Description	Involve User/Users	PRIORITY
FR: 01.	Create accounts	Users can create one or more accounts of them when they need by inserting required data like name, phone, e- mail, password etc.	Users	High
FR: 02.	Log in	Users need to log in first to use the website by inserting required data like e-mail, password etc.	Users/Admin	High
FR: 03.	Post advertisement	Admin can post here without any charge about what they want to sell.	Admin	High
FR: 04.	Renew advertisement	Admin can renew his post when they want.	Admin	Medium
FR: 05.	Add product categories	Admin can give and get information about any type of products they want.	Admin	High
FR: 06.	Order Confirm	Admin will review the customer order and confirm it.	Admin	High

FR: 07.	Search options	Users can search here any type of options they want.	Users	Medium
FR: 08.	Add cart	User can add cart then total view show the view cart	Users	High

5.6 Test Results

❖ Test User Create Account

Table 5.13: Test User Create Account

TEST CASE: User Create Account						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_01				Test Design by: Pias		
Test Priority (Low/Medium/High): High				Test Design date: 22.03.2018		
Module Name: Create Account				Test Executed by: Pias		
Test Title: Verify account creation with valid data				Test Execution date: 25.03.2018		
Description: Test the create account page				Test Case Type: Manual		
URL:						
Pre-conditions: Users need valid name, E-mail, password, phone no.						
Dependencies:						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass /Fail)	Notes
01.	Navigate to create account page	Name, E-mail, Password, Phone no				
02.	Provide valid name	User: Pias				

03.	Provide valid phone no	Phone no: 016225476 87				
04.	Provide valid E- mail	E-mail: thossainpias@gmail.				
05.	Provide valid password	Password : 13235505				
06.	Click on “Create account” button		Users should be able to create account	Account successfully created	Pass	
Post-conditions: Users are attached with the database and successfully create account. The account session details are logged in database.						

❖ Test User Login

Table 5.14: Test User Login

TEST CASE: User Login						
Project Name: BD-E-SHOPPER						
Test Case ID:TC_FR_02				Test Design by: Pias		
Test Priority (Low/Medium/High): High				Test Design date: 02.04.2018		
Module Name: Login				Test Executed by: Pias		
Test Title: Verify log in with valid E-mail and password				Test Execution date: 02.04.2018		
Description: Test the login page				Test Case Type: Manual		
URL:						
Pre-conditions: Users need valid E-mail and password.						
Dependencies: Test process of log in is depends on account creation.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes

01.	Navigate to log in page	E-mail, Password				
02.	Provide valid E-mail	E-mail: thossainpias@gmail.com				
03.	Provide valid password	Password: 13235505				
04.	Click on “Log in” button		Users should be able to log in	Log in successfully	Pass	
Post-conditions: Users are validated with database and successfully log in to account. The account session details are logged in database.						

❖ Test Post Advertisement

Table 5.15: Test Post Advertisement

✱

TEST CASE: Admin Post Advertisement						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_03				Test Design by: Pias		
Test Priority (Low/Medium/High): High				Test Design date: 02.04.2018		
Module Name: Post Advertisement				Test Executed by: Pias		
Test Title: Post Add				Test Execution date: 02.04.2018		
Description: Admin can post here without any charge about what they want to cell.				Test Case Type: Manual		
URL:						
Pre-conditions: Admin need valid E-mail and password.						
Dependencies: Test process of post add depends on admin login.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes

01.	All Information	Email, Password				
02.	Select Add Advertisement		Admin should able to select a category	Category selected	pass	
03.	Select Region		Admin should able to select a region	Region selected	pass	
04.	Type of add	Product image that want to sell	Admin should able to upload picture	Picture selected	pass	
05.	Click on “add post” button		Post should be added	Post added successfully	pass	
Post-conditions: Admin can successfully post the slider						

❖ Test Renew Advertisement

Table 5.16: Test Post Advertisement

TEST CASE: Admin Renew Advertisement						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_04				Test Design by: Pias		
Test Priority (Low/Medium/High): Medium				Test Design date: 02.04.2018		
Module Name: Renew Advertisement				Test Executed by: Pias		
Test Title: Renew Add				Test Execution date: 02.04.2018		
Description: Admin can renew his post when he				Test Case Type: Manual		
URL:						
Pre-conditions: Admin need valid E-mail and password.						
Dependencies: Test process of renew add depends on admin login.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes

01.	Navigate the renew advertisement	Advertisement type				
02.	Click on “delete” button on previous advertisement		Admin can click delete button	Delete successfully	pass	
03.	Post new advertisement	Advertisement category				
04.	Click “Confirm” button.		Admin can click confirm	Confirm successfully	pass	
Post-conditions: Admin can successfully renew the advertisement.						

❖ Test Add Product Category

Table 5.17: Test Add Product Category

TEST CASE: Add Product Categories for Admin						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_05			Test Design by: Pias			
Test Priority (Low/Medium/High): High			Test Design date: 02.04.2018			
Module Name: Add Product Category			Test Executed by: Pias			
Test Title: Add Category			Test Execution date: 02.04.2018			
Description: Admin can add category			Test Case Type: Manual			
URL:						
Pre-conditions: Admin need valid E-mail and password.						
Dependencies: Test process of add category depends on admin login.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes

01.	Type of product	Vehicles, Electronics, hobbies, fashion, home,				
02.	Product information	Title, price, product				
03.	Click “Add category”		Admin should be able to click category	successful	pass	
Post-conditions: Users can see the product in category.						

❖ Test Order Confirm

Table 5.18: Test Order Confirm

TEST CASE: Admin Order Confirm						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_06				Test Design by: Pias		
Test Priority (Low/Medium/High): High				Test Design date: 02.04.2018		
Module Name: Customer’s Order Confirm				Test Executed by: Pias		
Test Title: Order Confirm				Test Execution date: 02.04.2018		
Description: Admin can confirm customer’s order				Test Case Type: Manual		
URL:						
Pre-conditions: Admin need valid E-mail and password and review the order details						
Dependencies: Test process of order confirm depends on admin login.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
01.	Navigate the Manage order page	Order type				
02.	Review the order					

03.	Click “Order confirm” button.		Admin should able to click confirm	Confirm successfully	pass	
Post-conditions: Admin can successfully confirm customer order.						

❖ Test Product Search

Table 5.19: Test Product Search

TEST CASE: Product Search for User						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_07				Test Design by: Pias		
Test Priority (Low/Medium/High): Medium				Test Design date: 02.04.2018		
Module Name: Product Search				Test Executed by: Pias		
Test Title: Product Search				Test Execution date: 02.04.2018		
Description: Users can search the product				Test Case Type: Manual		
URL:						
Pre-conditions: User need to search in search bar						
Dependencies: Test case of search depends on name of product.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
01.	Search the product	Product name				
02.	Click “Search” button		User click search button		fail	
Post-conditions: Users can’t see searched product						

❖ Test Add Cart

Table 5.20: Test Add Cart

TEST CASE: Add cart for user						
Project Name: BD-E-SHOPPER						
Test Case ID: TC_FR_08				Test Design by: Pias		
Test Priority (Low/Medium/High): High				Test Design date: 02.04.2018		
Module Name: Add Cart				Test Executed by: Pias		
Test Title: Add Cart				Test Execution date: 02.04.2018		
Description: Users need to add cart the product before buy				Test Case Type: Manual		
URL:						
Pre-conditions: User have to select the product						
Dependencies: Test case of add cart depends on id of the product.						
Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
01.	Add the product	Product category				
02.	Click“Add cart” button		Click add cart button	successful	pass	
Post-conditions: Users can see the final price of the product.						

5.7 Test Report

Table 5.21: Test Report

Number of unit test	Frist iteration 100% success	Less than 100% success	Total succession
Total:8	7	1	87.5%
Total:8	8	0	100%

Total unit test case sample are 8. Some test case are succeeding in first iteration and some are succeed in second iteration. The succession percent are shown in following table.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

- **Discussion**

The Internet has become a major resource in modern business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the entrepreneur, electronic shopping generates new business opportunities and for the customer, it makes comparative shopping possible. As per a survey, most consumers of online stores are impulsive and usually make a decision to stay on a site within the first few seconds. Website design is like a shop interior. If the shop looks poor or like hundreds of other shops the customer is most likely to skip to the other site. Hence I have designed the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible

- **Conclusion**

After implementing and testing of the prototype of the e-commerce website (BD-E-SHOPPER), it has become obvious that, this website is still in primary state. But, it has all the basic features, which are mandatory for an e-commerce website. Proper client feedback must be taken before doing any further improvement of this website. Otherwise, some unnecessary features will be added.

Finally, it can be said that, this project has the ability to satisfy customers. So, the web project implementation is successful.

6.2 Limitations

- Need internet connection for shopping
- User can't use this as mobile application
- There is no option for changing or returning the products

6.3 Scope for Further Developments

The following section discusses below| that will be implemented in this project in future development.

- **Detailed categories:** Future work could involve adding more categories which are more detailed and have additional items.
- **Watch/Wish List:** Work can add a watch list or wish list so that users can add an item to a list to watch for item prices to go down or to see when there is a sale on any of those items.
- **Enhanced User Interface:** Work on enhancing the user interface by adding more user interactive features.
- **Recommended Items:** Add a bar that would display the most-recommended items which would depend on the number of times an item has been purchased by any users.
- **Payment Options:** Add different payment options, such as, MasterCard, M-cash, bkash etc., where a user can also save the card information for later checkouts.
- **Shipping Options:** Add different types of shipping options: regular shipping, expedited shipping, international shipping, etc.

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APPENDICES

Appendix A: Related Diagrams

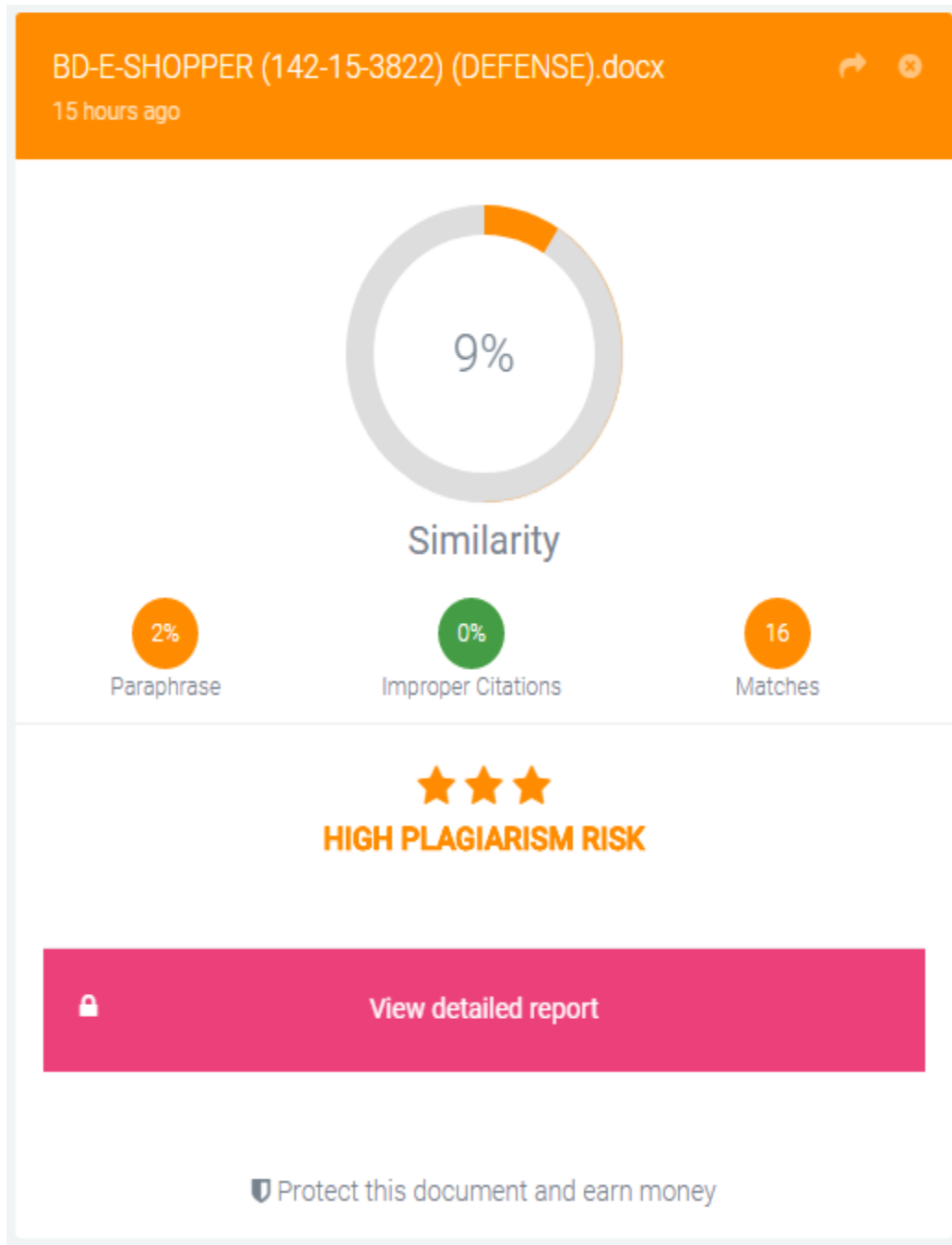


Figure A1: Related Diagrams